

HIREME! A JOB FINDER SYSTEM

MUHAMMAD ALIFF IQMAL BIN OTHMAN



اونيورسيتي تيكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

HIREME! A JOB FINDER SYSTEM

MUHAMMAD ALIFF IQMAL BIN OTHMAN



This report is submitted in partial fulfillment of the requirements for the Bachelor of Computer Science (Software Development) with Honours.

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

2021

DECLARATION

I hereby declare that this project report entitled

HIREME! A JOB FINDER SYSTEM

is written by me and is my own effort and that no part has been plagiarized
without citations.

STUDENT : MUHAMMAD ALIFF IQMAL BIN OTHMAN Date : 3/9/2021

I hereby declare that I have read this project report and found
this project report is sufficient in term of the scope and quality for the award of
Bachelor of Computer Science (Software Development) with Honours.

SUPERVISOR : ZARITA BINTI KOSNIN

Date : 10/09/2021

DEDICATION

I would like to dedicate this final year project to both of my parents who has love me unconditional without any regret and without asking for any returns. A really special feelings to my loving parents, Othman Bin Yusof and Norliza Binti Romli, for being there for me through my growing up phase. A special thanks to my closed personal advisor also known as siblings, Arianie Nuurain Binti Othman and Airisya Nuurain Binti Othman. Without the support of my family members, I could never be in this position where I have completed my final year project.

I also dedicate this project to both of my personal academic advisor, Dr Umami Rabaah, and supervisor, Ms Zarita Binti Kosnin. Without the input from them I would have lost in the jungle of programming.

As for my batchmate, you all have also contributed by answering any questions that have been linger in my mind regarding the programming matters. To name all of you I would have to write 3 pages of dedication.

Last but not least, I would like to thank the most, to the person who have survived and strived through the 3 years of getting a degree. It is none other than me myself. Thank you for having an optimistic and keep on hanging without any regrets. Thank You.

ACKNOWLEDGEMENTS

Assalamualaikum and a very good day. First and foremost, I am willing to express my gratitude to the Faculty of Information Technology and Communication (FTMK) Universiti Teknikal Malaysia Melaka, for giving me the opportunity and chances to continue the journey of my tertiary education chapter for the past few years. I managed to absorb the knowledge provided by the faculty through the formal classes and informal non academy activity. Throughout my journey here, I managed to study new things from my syllabus, lecturer experiences and external sources.

I would also like to thank you to the committee of final year project for providing a complete guidance on how to perform and execute the project development. The sources and study materials are complete and accessible anytime and anywhere even though the process of the development is fell under the movement control order period.

The gratitude expression continued to my very own supervisor for bachelor project of final year project, Pn. Zarita Binti Kosnin for giving me the approval and endorsement of the project title, giving me an idea on how to develop the system such as a software development suggestion and many more advice.

Next, I would like to thank you to my one and only parent, for providing me a comfortable accommodation and stable internet connection during the movement control order period. They made the research process better and comfy at any edges. Thank you for the effort in form of energy, time and financial.

Lastly, thank you for everyone who assisted and helped me during the process of project development directly or indirectly. Without the help of people around me, I may not be able to finish the development of project for the final year project.

ABSTRACT

HireMe! a job finder system is a total web-based system, that helps the candidate to find their placement for a job that they want. HireMe! is a full web-based application that can be use by the candidate and also the employer who is seeking for a candidate. Employers have the flexibility to set their own preference in what they are looking for and they are free to choose the applicant that they have interest in. Candidates on the other hand, they are free to apply as much job as they want. HireMe! will try it best to match the candidate and employer that have the same interest.



TABLE OF CONTENTS

	PAGE
DECLARATION.....	II
DEDICATION.....	III
ACKNOWLEDGEMENTS.....	IV
ABSTRACT	V
TABLE OF CONTENTS.....	VI
LIST OF TABLES	X
LIST OF FIGURES	XII
LIST OF ABBREVIATIONS	XIV
CHAPTER 1: INTRODUCTION.....	1
1.1 Introduction.....	1
1.2 Problem Statements	2
1.3 Objective	2
1.4 Scope.....	3
1.5 Project Significance	4
1.6 Expected Outcome	5
1.7 Conclusion	5
CHAPTER 2: LITERATURE REVIEW AND PROJECT METHODOLOGY . 6	
2.1 Introduction.....	6

2.2	Facts and Findings	6
2.2.1	Existing System	7
2.2.2	Technique	9
2.3	Project Methodology	9
2.4	Project Requirements	12
2.4.1	Software Requirement	12
2.4.2	Hardware Requirement	12
2.4.3	Other Requirements	12
2.5	Project Schedule and Milestones	13
2.6	Conclusion	14
CHAPTER 3: ANALYSIS		15
3.1	Introduction	15
3.2	Problem Analysis	15
3.3	Requirement analysis	16
3.3.1	Data Requirement	17
3.3.2	Functional Requirement	23
3.4	Conclusion	23
CHAPTER 4: DESIGN		24
4.1	Introduction	24
4.2	High-Level Design	24
4.2.1	System Architecture	25
4.2.2	User Interface Design	25
4.2.2.1	Homepage	26
4.2.2.2	Candidate	29

4.2.2.3	Company	36
4.2.2.4	Admin	41
4.2.3	Database Design	46
4.2.3.1	Conceptual Database Design	47
4.2.3.2	Logical Database Design	48
4.3	Detailed Design.....	49
4.3.1	Software Design.....	49
4.3.2	Physical Database Design.....	57
4.4	Conclusion	76
CHAPTER 5: IMPLEMENTATION.....		77
5.1	Introduction.....	77
5.2	Software Development Environment Setup.....	78
5.3	Software Configuration Management.....	78
5.3.1	Configuration Environment Setup.....	79
5.3.2	Version Control Procedure	81
5.4	Implementation Status	82
5.5	Conclusion	85
CHAPTER 6: TESTING		86
6.1	Introduction.....	86
6.2	Test Plan.....	87
6.2.1	Test Organization.....	88
6.2.2	Test Environment.....	89
6.3	Test Schedule	89

6.4	Test Strategy	91
6.4.1	Classes of Tests.....	92
6.5	Test Design	93
6.5.1	Test Description.....	93
6.5.2	Test Data.....	94
6.5.2.1	Unit Testing	94
6.5.2.2	Integration Testing.....	96
6.6	Test Results and Analysis	109
6.7	Conclusion	115
CHAPTER 7: PROJECT CONCLUSION		117
7.1	Observation on Weaknesses and Strengths.....	117
7.2	Propositions for Improvement	118
7.3	Conclusion	119
REFERENCES.....		120

LIST OF TABLES

	PAGE
Table 2-1: Comparison between the Existing and Proposed Application	9
Table 2-2: Milestones for HireMe!	13
Table 3-1: User	17
Table 3-2: Candidate	17
Table 3-3: Education.....	18
Table 3-4: Experience	18
Table 3-5: Language	19
Table 3-6: Skill	19
Table 3-7: Company.....	20
Table 3-8: Company Details.....	20
Table 3-9: Job	21
Table 3-10: Job Apply.....	21
Table 3-11: Admin	22
Table 3-12: Bookmark.....	22
Table 4-1: SQL Statement for Hireme!.....	58
Table 5-1: Sources for HireMe!	79
Table 5-2: Software and Hardware for HireMe!	80
Table 5-3: Initial Planning for HireMe!.....	82
Table 6-1: Test Case for Validity Testing	94
Table 6-2: Test Case for Phone Number Testing	94
Table 6-3: Test Case for Email Testing.....	95
Table 6-4: Test Case for Password Testing.....	95
Table 6-5: Test Case for Login.....	96
Table 6-6: Test Case for Candidate Registration.....	97
Table 6-7: Test Case for Company Registration.....	98

Table 6-8: iv. Test Case for Admin Registration.....	99
Table 6-9: Test Case for Updating Company Profile	100
Table 6-10: Test Case for Resume and CV Management	100
Table 6-11: Test Case of Inserting New Job	100
Table 6-12: Test Case for Updating job	102
Table 6-13: Test Case for Updating Password	102
Table 6-14: Test Case for Company Page Function	103
Table 6-15: Test Case for Candidate Page Function	104
Table 6-16: Test Case for Admin Page Function	107
Table 6-17: Test Result and Analysis	109



LIST OF FIGURES

	PAGE
Figure 2-1: Jobstreet Malaysia	7
Figure 2-2: Monster Jobs	8
Figure 2-3: Agile Methodology	9
Figure 4-1: System Architecture for Hireme!	25
Figure 4-2: Homepage for HireMe!.....	26
Figure 4-3: Login Modal for HireMe!.....	27
Figure 4-4: Registration for New Candidate	27
Figure 4-5: Registration for New Company	28
Figure 4-6: Dashboard for Candidate	29
Figure 4-7: Bookmark Job	29
Figure 4-8: Job Offered	30
Figure 4-9: Homepage and Navigation for Candidate	30
Figure 4-10: Candidate Built-In Resume.....	31
Figure 4-11: Experience Level for Resume.....	31
Figure 4-12: Education Level for Resume	32
Figure 4-13: Skills for Resume.....	33
Figure 4-14: Languages for Resume.....	33
Figure 4-15: Additional Information for Resume	34
Figure 4-16: About Me for Resume	34
Figure 4-17: Uploaded Resume.....	35
Figure 4-18: Uploaded CV.....	35
Figure 4-19: Password Management.....	36
Figure 4-20: Dashboard and Navigation for Company	36
Figure 4-21: Job List.....	37
Figure 4-22: Job Details.....	38

Figure 4-23: Form to Update Job Details	38
Figure 4-24: Applicant List	39
Figure 4-25: Decision for Candidate	40
Figure 4-26: Interview Details to be Filled In.....	40
Figure 4-27: Company Profile	41
Figure 4-28: Dashboard and Navigation for Admin.....	41
Figure 4-29: Job List.....	42
Figure 4-30: Company List	42
Figure 4-31: Admin List	43
Figure 4-32: New Admin Registration	44
Figure 4-33: Job Report.....	44
Figure 4-34: Company Report	45
Figure 4-35: Candidate Report	45
Figure 4-36: Conceptual Design for Hireme!	47
Figure 4-37: Logical Database Design for Hireme!	48
Figure 5-1: Localhost Dashboard	81



LIST OF ABBREVIATIONS

FYP	-	Final Year Project
PK	-	Primary Key
FK	-	Foreign Key



CHAPTER 1: INTRODUCTION

1.1 Introduction

HireMe! is a job finder system that will act as the medium between the job seeker and the company that would love to hire them. As we all know, job is crucial in this pandemic era, thus I have proposed a centralized system that will help the process of the securing a job. Seeking a job has become an issue for the public as they do not have much information regarding one company that have the vacancy for them to filled. With the aids of this system, both public and company will have the access to view their personal information. They can find out the interest that both public and company shares, and they can directly hire them. The main objectives of this project are to create a centralized environment for a job seeking system. I am hoping that this system will be able to help all the jobless public to secure a job that match their preference and interest.

1.2 Problem Statements

The problem statements are listed as below:

1. User facing difficulty in placing themselves in a company that they prefer.
2. Certain company have a vacancy that can be fill but they did not know where to promote them.
3. The lack of some system that do not have certain features such as job recruiter cause the company the loss of time as they need to wait for applicant instead of recruiting one.

1.3 Objective

The project embarks on the following objectives:

1. To act as the medium for job seeker and company to find the job that they preferred.
2. To assist the company that have interest in recruiting the capable person for certain position.
3. To create a centralized system for job seeking environment.

1.4 Scope

1. Target User.

1. Admin

User will be able to use the Admin Management Module to monitor the request made by the company and the list of jobs posted

2. Company

Company will be able to use the Company Management Module to promote the vacancy that they have.

3. Admin

Admin will be able to control all type of management including the approval of one company to post their job in Hireme!

2. Modules to be Develop.

1. Job Finder Module

This module will be the act as the medium for the user to apply the job to the company that they preferred.

2. Company Management Module

This module will be the place where the company can promote their vacancy for a specific job. They can also handle the company profile using this.

3. Resume and CV Management Module

This module is where the user stores their resume and CV. They can either upload or fill the format that have generated by the system.

4. User Profile

This module will be used by the user to setup their profile information to be viewed by the other user.

5. Bookmark

This module will allow the user to bookmark their preferred job before submitting the application.

6. Admin Management Module

1.5 Project Significance

The implementation of HireMe! a Job Finder system extensively generally will change the overall process of recruiting a person for a job. All the first phase in recruiting such as submitting a resume and CV will be done by using this system. As covid cases is still on its peak, paperless transaction will help the process of reducing the case as all on the process in recruiting will be done online. With the aids of this system, the first phase process can be done online, and it will help the jobless to locate the job that suitable and fit their criteria.

1.6 Expected Outcome

Every project development especially system development expecting the system to be used extensionally. Same goes to HireMe! a Job Finder System. This system is expected to be used by all individuals who are looking for a job available. The company that would like to advertise their vacancy will also be expected to use this system. The implementation of the system should not be too rigid with the job requirements as all these company have their own preferences in selecting a candidate. The extension should include the implementation on multiple types of job industry. On the other perspective, as times are moving this system is expected to be used nationwide and not limited to Malaysia only.

1.7 Conclusion

Hireme! a Job Finder System is a system that will assist and ease the process of seeking and processing a job request. As Malaysia is continuously thriven to become one of the leading countries, more company have been built and these people are looking for an individual that would like to work with them. Graduates from the local universities are having troubles in seeking a job that is suitable with what they have learnt. With the increasing of demands from company and graduates, they are not enough platform for these people to connect, thus, HireMe! was introduced to help with problem in connecting people who are in the same field. This system might not be fancy as other job finder platform but the vision and mission in helping those who are seeking a job is straight forward.

CHAPTER 2: LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter covers the details of project that related to the literature review and project methodology used to complete and work well on this project. The focus will be on discovering facts, the methodology of the project, the requirement of the project and the schedule and milestone of the project. It is used to achieve the project goal that will achieve a perfect outcome.

2.2 Facts and Findings

Fact finding is the formal process for collecting information or collecting data.

Usually research, interviews or questionnaires are the techniques used. This section represents the data gathered through research and studies.

2.2.1 Existing System

I have done a few research and discover a few jobs finder that already existed that gave the same services as Hireme! All of the webs manage to work as the medium between for the company to recruits a new candidate. Candidate can easily browse the job that they preferred, and company have the flexibility to choose which candidates fits the role the most.

1) Jobstreet Malaysia



Figure 2-1: Jobstreet Malaysia

Figure shows the interface of Jobstreet Malaysia web application. Jobstreet offer the best job finder system in Malaysia. Besides of helping the user to see the job trends and developments, it keeps the user updated about the goings-on in the job market or chosen field. It gives a safe spot for both the passive and active candidate as most of the process of recruiting will be done online through the web application.

In Jobstreet Malaysia web application, user will be able to create their own resume by filling up the form that the web has provide and all of the data will be kept,

and an online resume will be shown. This resume will give the company a better process of filtering the candidates that they want. For instance, they are looking for a Chinese and Female candidate. Since candidates have already filled in the form thus the system will help the company to filter out based on their preference.

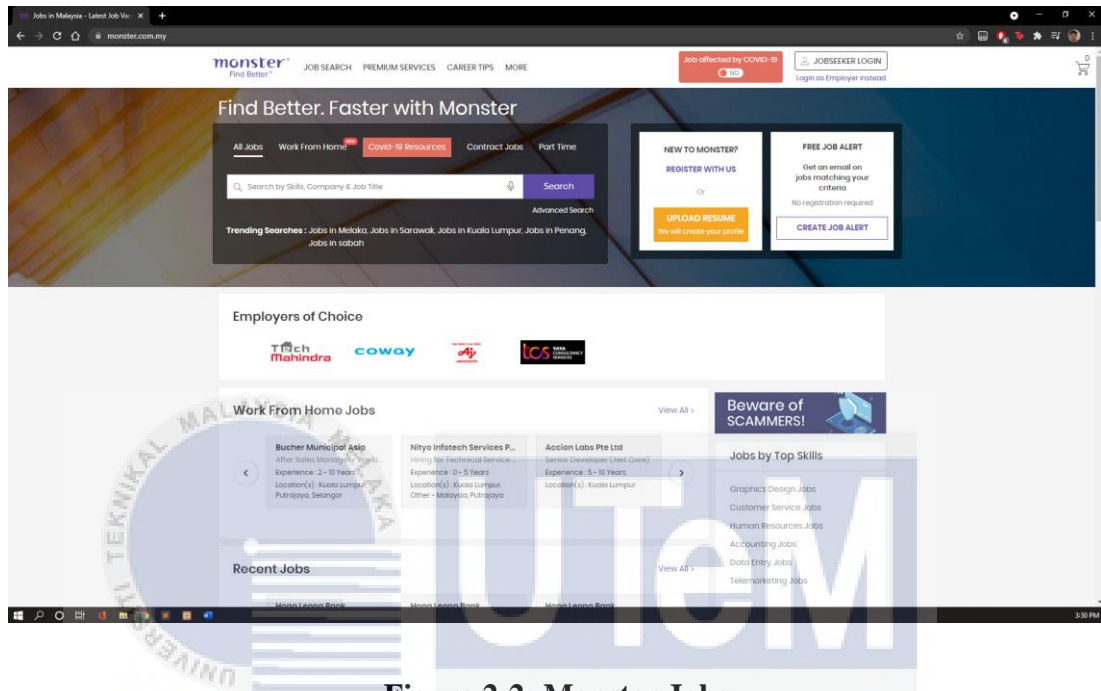


Figure 2-2: Monster Jobs

Figure shows the interface of Monster Jobs. Unlike Jobstreet Malaysia, this web application focus on the user interface. Every page of the web is uniform and stick to the theme. It has a lot of tabs for user to choose. This will help the user to navigate more freely without having to worry about restriction. As the web is too flexible, candidate might get lost and be distracted by all the features. It offers the same services as Jobstreet Malaysia which is most of the process will be done by the system.

2.2.2 Technique

Comparison between the existing and proposed application are listed as table below.

Table 2-1: Comparison between the Existing and Proposed Application

Features	Web Application		
	Jobstreet Malaysia	Monster	Hireme!
Resume and CV Management	/		/
Interface Level	Not Uniform	Compact	Compact and Uniform
Recruit Process	Mostly handled by the web	Mostly handled by the web	Mostly handled by the web

2.3 Project Methodology

To develop a project which will be able to deliver accurately and compliance to the timeline, proper and correct methodology should be use. In HireMe! system development, the approach used is agile methodology approach.



Figure 2-3: Agile Methodology

Figure describes the software development model for Agile methodology approach. Each software life cycle is iterated in order to complete a product. Each iteration is considered as part of the software functionality that can be changed or tested. After each life cycle is implemented, the software development team will summarize each and everything. There may be new requirements appears, thus some adjustments or improvements can be implemented easily according to the software development plan.

The process of software development cycle is known as agile SDLC model which includes ongoing iterative developmental and testing stages which reduces error and builds quality products. This method is far more timesaving than old approach due to the constant testing practices which aids in finding the bugs at the earliest possible time and fixing them soon. In agile process, there is no detail looking into requirement planning and analysis. However, the requirement planning, and analysis is enough to pertain the scope of project. Hence, agile methodology is really of great help to the businesses as the changes are deployed rapidly. In Requirement Gathering phase, the requirements for the final product are discussed. Besides, it is vital to ensure all the team members have a clear understanding about the tasks and how each of the requirement is going to be implemented. An initial documentation that lists all the initial requirements must be created. This includes the end result the project, which is going to achieve, the features that it will support or the features that it will not support initially.

In Planning & Designing Phase, the planning of resource allocation is up most important to succeed the project. For instant, each team member should identify their strength and proficiency as well as stick to the work allocation within the project development duration. Next, for designing phase, team members are required to design

the system architecture. All the technical questions in architecture design must be considered which may include technologies used in project, team load, limitations, time frames and budget. Hence, the most appropriate project decisions can be made according to the defined requirements. In the next phase, which is Development phase, starts with the source code writing based on the defined requirements. At the same time, adjust the software environment and develop user interface of the program as well as the logic for interaction. In Testing phase, debugging process is inevitable. All the code flaws missed during the software development are detected, documented, and required for fixing. This process repeats until all the critical issues are removed and the software workflow is stable. When the program is finalized with no critical issues, the software can be deployed by getting all servers, software and hardware for the release as well as setting up links and databases to get everything ready. Before final deployment, another round of quality assurance has to be done. The next phase will be evaluation phase once all the previous development phases are complete. The progress upon completing the requirements is being reviewed. The development team members introduce their ideas towards resolving the problems aroused during previous phases. Besides, get some feedback from customers regarding usability, practicality or improvement ideas which may be incorporated.

2.4 Project Requirements

This section discusses the project requirement that are needed in this system development, which is software and hardware requirements.

2.4.1 Software Requirement

1. Microsoft Office Word
2. Microsoft PowerPoint
3. Adobe Creative Cloud
4. Adobe Dreamweaver
5. Adobe Muse
6. Sublime
7. Notepad
8. XAMPP
9. Browser

2.4.2 Hardware Requirement

1. Asus TUF505D Laptop
2. Asus power adapter
3. Redmi Note 9

2.4.3 Other Requirements

None.

2.6 Conclusion

Throughout this chapter, I may conclude that the process of project development is executed in a systematic way which follows the milestones with the help of methodology on keeping things on track.



CHAPTER 3: ANALYSIS

3.1 Introduction

This chapter will discuss the problem analysis of the existing system as well as the requirement analysis for the new system. The method will be improved to recognize the issue and capture all of the present system's requirements. The new system analysis will be carried out by enhancing the current system's functionality. This will be accomplished by providing diagrams depicting the new system's process flow. There will also be some explanation about the new system's specific details.

3.2 Problem Analysis

Problem analyses are listed as below:

1. User facing difficulty in placing themselves in a company that they prefer.
2. Certain company have a vacancy that can be fill but they did not know where to promote them.
3. The lack of some system that do not have certain features such as job recruiter cause the company the loss of time as they need to wait for applicant instead of recruiting one.

3.3 Requirement analysis

In this section, the data required by the system will be covered in terms of data requirement, functional requirement, non-functional requirement and other requirement.



3.3.1 Data Requirement

1. User Table

Table 3-1: User

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Email	Email	x@x.com	150	
Password	Varchar		150	
Role	Varchar		150	
Candidate Id	Varchar		255	FK from Candidate
Admin Id	Varchar		255	FK from Admin
Company Id	Varchar		255	FK from company

2. Candidate Table

Table 3-2: Candidate

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Name	Varchar		255	
Email	Email	x@x.com	150	FK from User
Telephone	Varchar		100	
Address	Text			
State	Varchar		100	
Expected Salary	Varchar		100	
Total Experience	Varchar		100	
DOB	Date	dd/mm/yyyy		
Gender	Varchar		100	
Age	Int		50	
Nationality	Varchar		100	

Photo	BLOB			
Date Joined	Date			

3. Education Table

Table 3-3: Education

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Institute	Varchar		255	
Graduation Month	Varchar		100	
Graduation Year	Varchar		100	
Institute Location	Varchar		100	
Field	Varchar		200	
Major	Varchar		200	
Additional Info	Text			
Candidate Id	Varchar		255	FK from Candidate

4. Experience Table

Table 3-4: Experience

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Position Level	Varchar		100	
Company Name	Varchar		255	
Year Start	Year		4	
Month Start	Varchar		100	
Year End	Year		4	
Month End	Varchar		100	

Present	Varchar		255	
Special	Varchar		255	
Country	Varchar		255	
Industry	Varchar		255	
Monthly Salary	Double	x.xx	(255,2)	
Description	Text			
Candidate Id	Varchar		255	FK from Candidate

5. Language Table

Table 3-5: Language

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Language	Varchar		255	
Spoken	Int		100	
Written	Int		100	
Candidate Id	Varchar		255	FK from Candidate

6. Skill Table

Table 3-6: Skill

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Skill	Varchar		255	
Proficiency	Varchar		255	
Candidate Id	Varchar		255	FK from Candidate

7. Company Table

Table 3-7: Company

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Name	Varchar		255	
Email	Email	x@x.com		
Telephone	Varchar		255	
Information	BLOB			
Logo	BLOB			
Photos	BLOB			
Website	Varchar		255	

8. Company Details Table

Table 3-8: Company Details

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Registration Number	Varchar		255	
Company Size	Varchar		100	
Average Process	Varchar		255	
Industry	Varchar		255	
Benefit	BLOB			
Company Id	Varchar		255	FK from Company

9. Job Table

Table 3-9: Job

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	
Title	Varchar		150	
Description	BLOB			
Role	Varchar		255	
Position	Varchar		255	
Experience Year	Varchar		50	
Category	Varchar		255	
Location	Varchar		150	
Minimum Salary	Double	x.xx	255,2	
Maximum Salary	Double	x.xx	255,2	
Saved Date	Date	dd/mm/yyyy		
Publish Date	Date	dd/mm/yyyy		
Status	Varchar		150	
Company Id	Varchar		255	FK from Company

10. Job Apply Table

Table 3-10: Job Apply

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Candidate Review	Varchar		255	
Apply Date	Varchar		255	
Status	Varchar		255	
Candidate Id	Varchar		255	FK from Candidate
Job Id	Varchar		255	FK from Job

11. Admin Table

Table 3-11: Admin

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Name	Varchar		255	
IC Number	BLOB			
Email	Varchar		150	
Role	Varchar		150	

12. Bookmark Table

Table 3-12: Bookmark

Field Name	Data Type	Data Format	Field Size	Description
Id	Varchar		255	PK
Job Id	Varchar		255	FK from Job
Candidate Id	Varchar		255	FK from Candidate

3.3.2 Functional Requirement

Requirement Number	Requirement Description
F1	Company must complete the profile before they are able to post a job.
F2	Company must be able to post a job with their own criteria
F3	System shall be able to list the available job.
F4	System shall be able to list of candidates that have applied for one job.
F5	Candidates must complete the profile before they are able to apply a job.
F6	System must be able to filter job based on user (company/candidate) preference.
F7	System shall be able to save the job that has been bookmark by the user.
F8	Admin should be the one who is approving the company registration.
F9	System shall be able to produce it owns report.

3.4 Conclusion

On this chapter, requirement of the system has been listed down from functional requirement to the non-functional requirement and other requirement. This requirement is important to assist the developer and act as a guidance to develop the system according to the proper compliance that has been endorsed during the initial stage of planning. Other important data also collected in a tabulated data such as data dictionary to ease the developer on how to design and linkage the each of the table in the databases.

CHAPTER 4: DESIGN

4.1 Introduction

In this chapter, we will define the result from the analysis that has been conducted on the previous chapter to understand how the system interact between each component existed in it. In this chapter also, we will see how the design process take place.

4.2 High-Level Design

This segment covers whole system design including system architecture and database design.

4.2.1 System Architecture

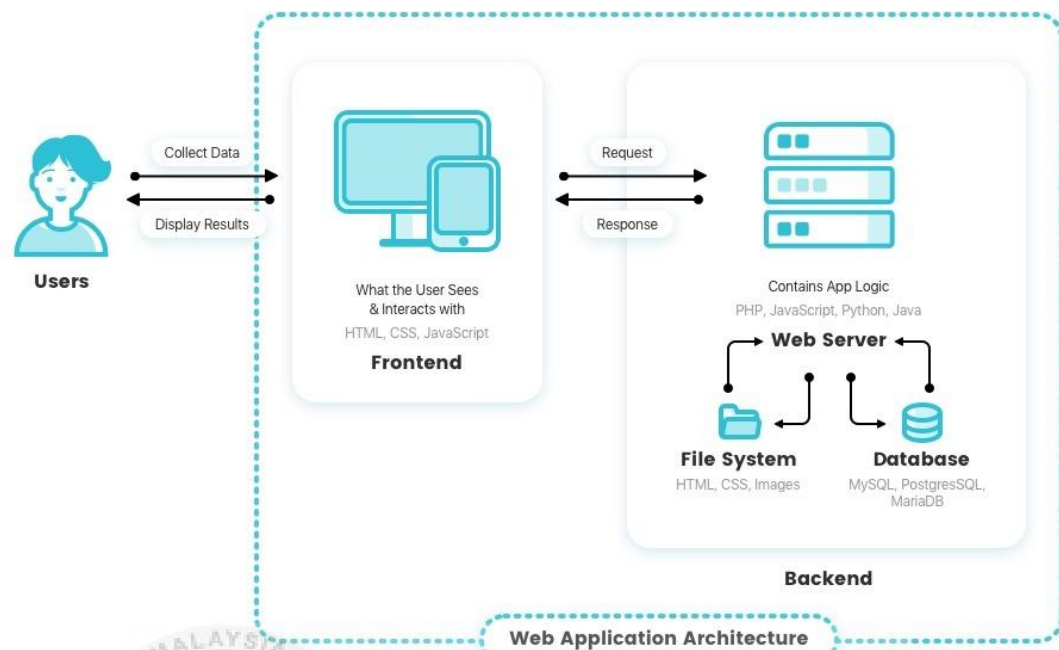


Figure 4-1: System Architecture for Hireme!

Figure shows the system architecture for Hireme! It uses Web Application Architecture that consist of Frontend and Backend to operate. File system and database will be available in web server. It will work as the response for every request that have been made through the frontend.

4.2.2 User Interface Design

This part will be discussing on the interface for Hireme! by the type of user that includes candidate, company and admin.

4.2.2.1 Homepage

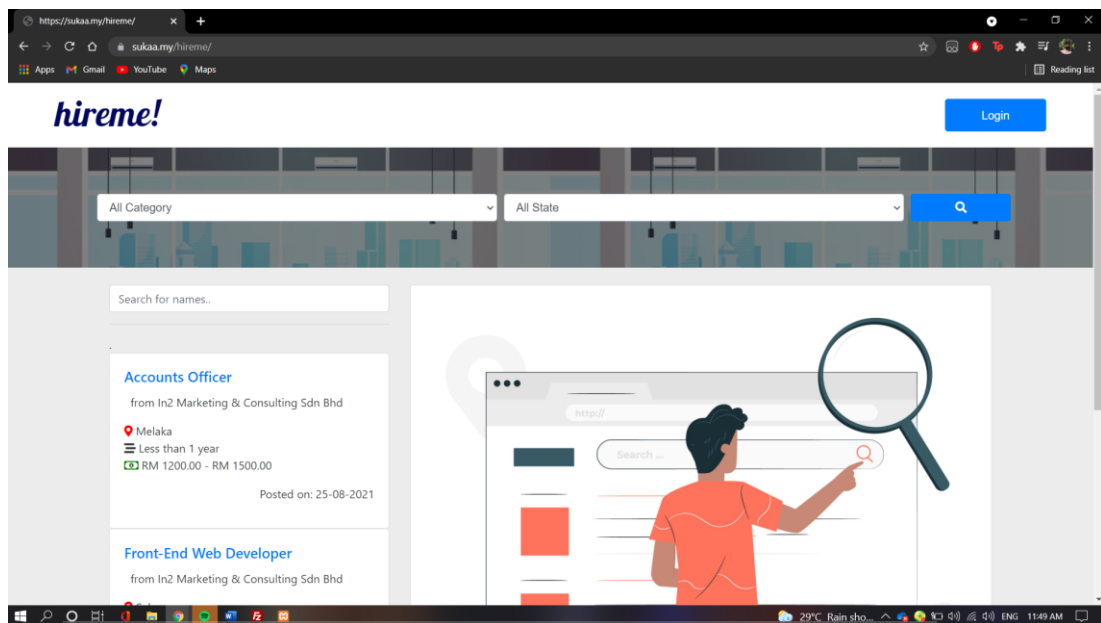


Figure 4-2: Homepage for HireMe!

Figure shows the homepage for Hireme where user can browse for their preferred jobs. There are options to show the jobs based on their own category and state. Once the user clicked the preferred job in the list of job panel, detailed of the job will be shown.

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

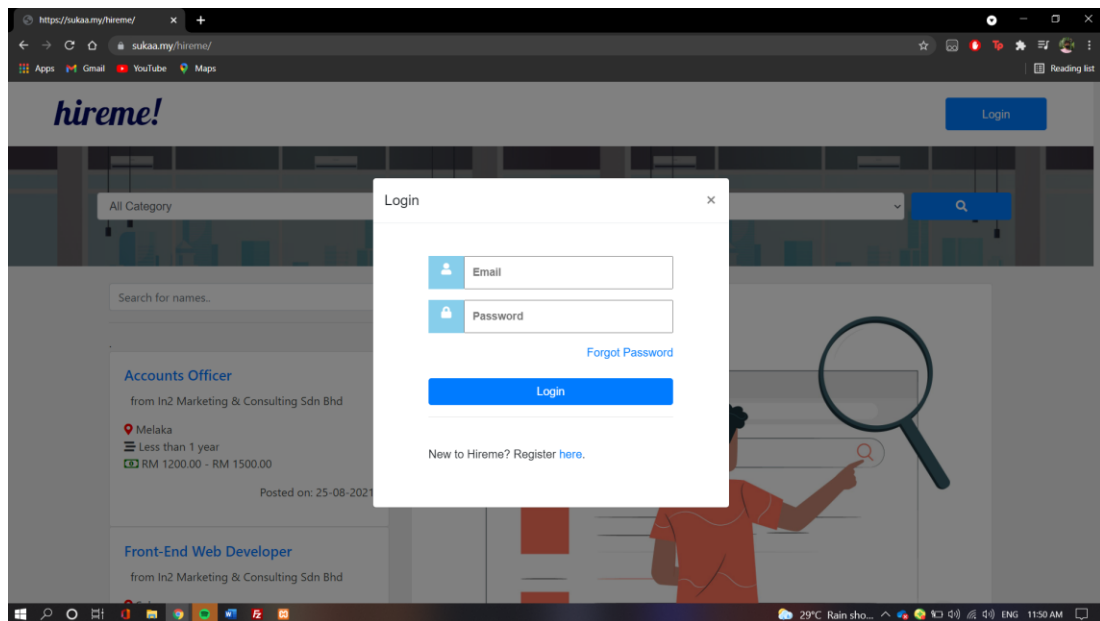


Figure 4-3: Login Modal for HireMe!

Figure shows the login details that need to be filled by user to identify the type of user. There are also options such as forgot password and registration. Each of the highlighted in blue link will redirect to its own page.

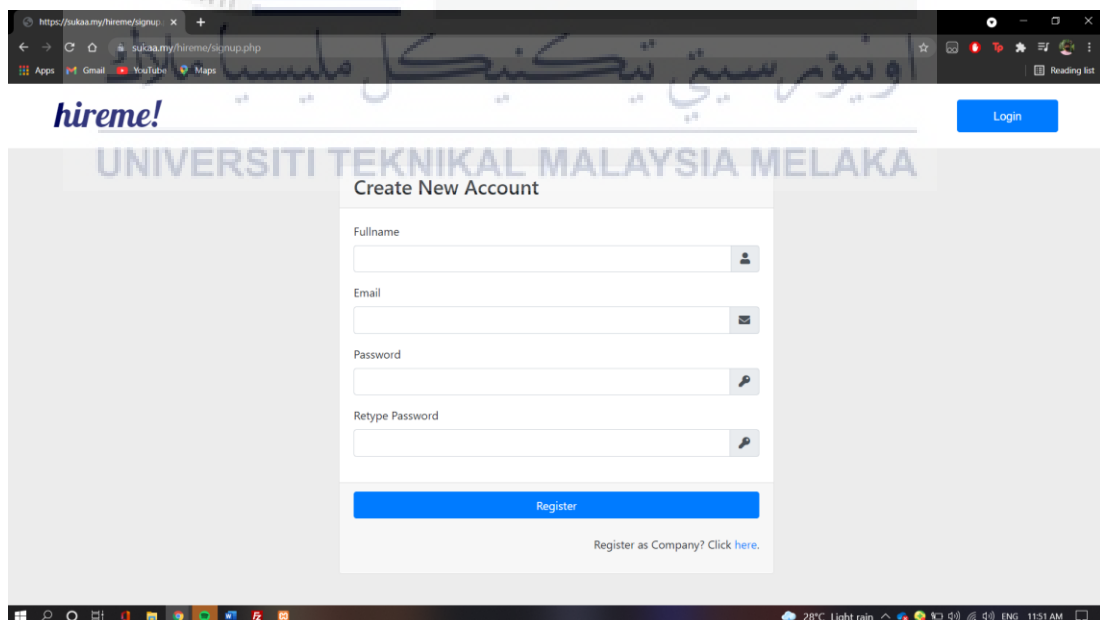
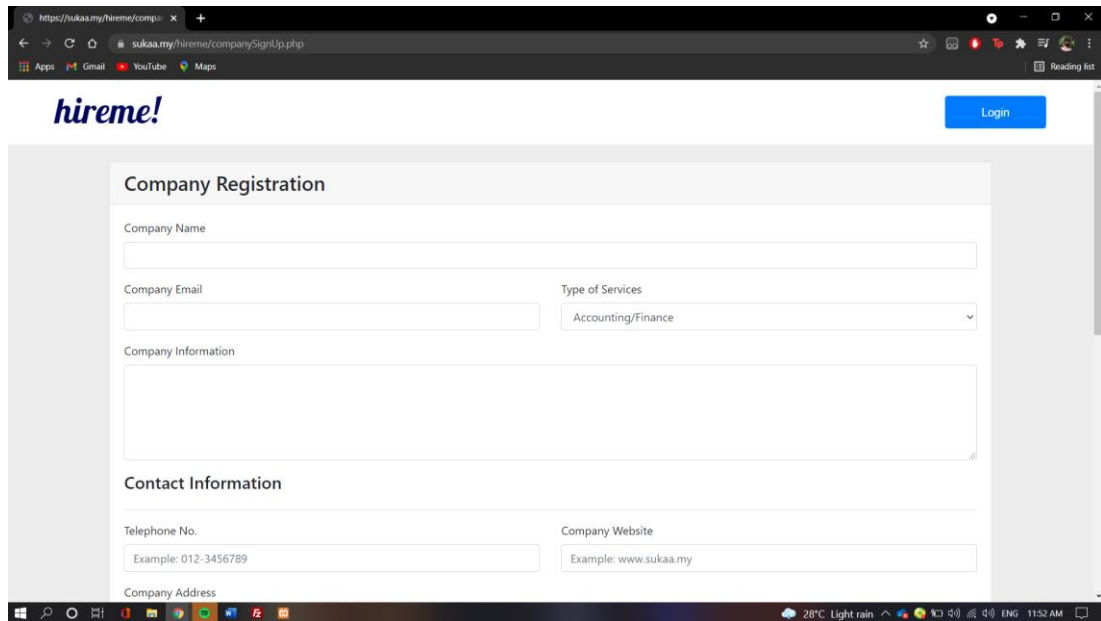


Figure 4-4: Registration for New Candidate

Figure shows the registration form for candidates. Once registered, candidate may login to use Hireme! For company, they need to click the blue link to register.

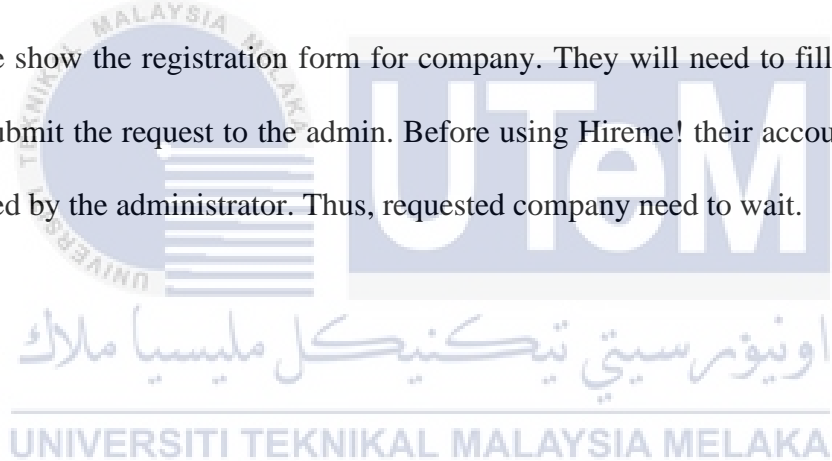


The screenshot shows a web browser window with the URL <https://sukaa.my/hireme/companySignUp.php>. The page features the 'hireme!' logo and a 'Login' button. The main content is a 'Company Registration' form with the following fields:

- Company Name
- Company Email
- Type of Services (dropdown menu, currently showing 'Accounting/Finance')
- Company Information (text area)
- Contact Information section containing:
 - Telephone No. (with example: 012-3456789)
 - Company Website (with example: www.sukaa.my)
 - Company Address

Figure 4-5: Registration for New Company

Figure show the registration form for company. They will need to fill all the details and submit the request to the admin. Before using Hireme! their account needs to be verified by the administrator. Thus, requested company need to wait.



4.2.2.2 Candidate

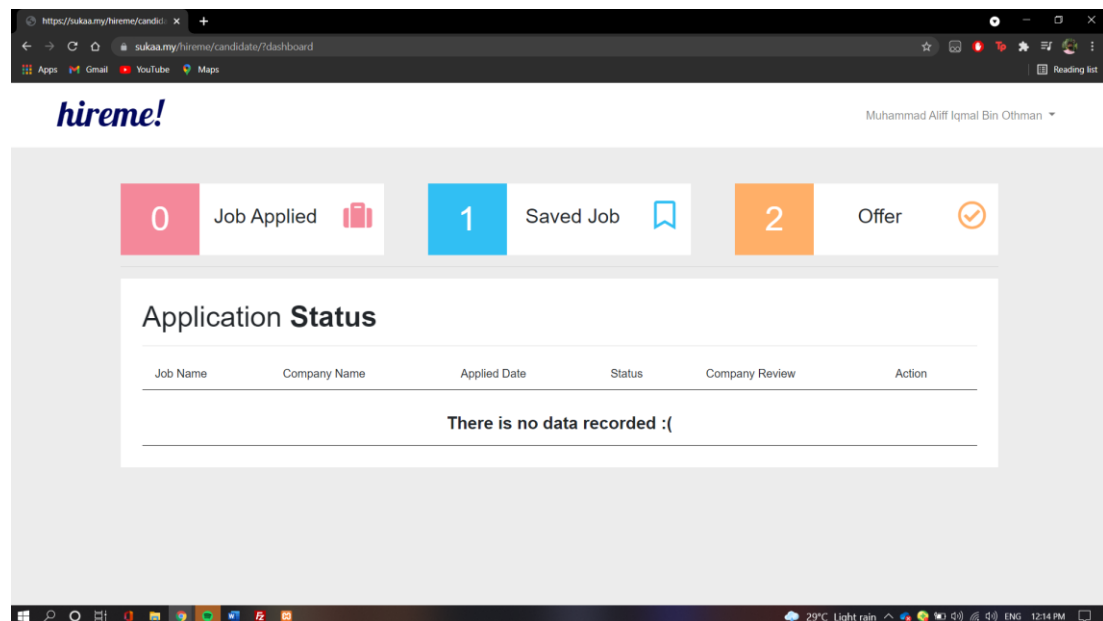


Figure 4-6: Dashboard for Candidate

Figure 4-6 and 4-7 shows the dashboard that will be directed once candidate's login. In dashboard candidates will be able to view the job applied, saved job and also the offered job. For job applied and saved job, candidates will be able to view the details of the job and also remove it from the list.

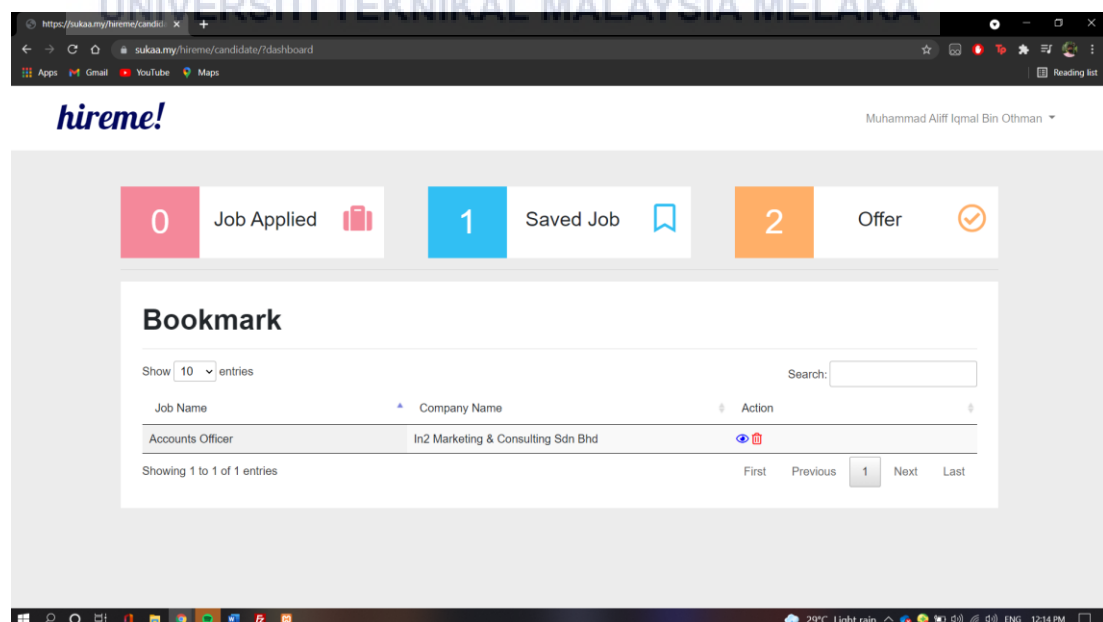


Figure 4-7: Bookmark Job

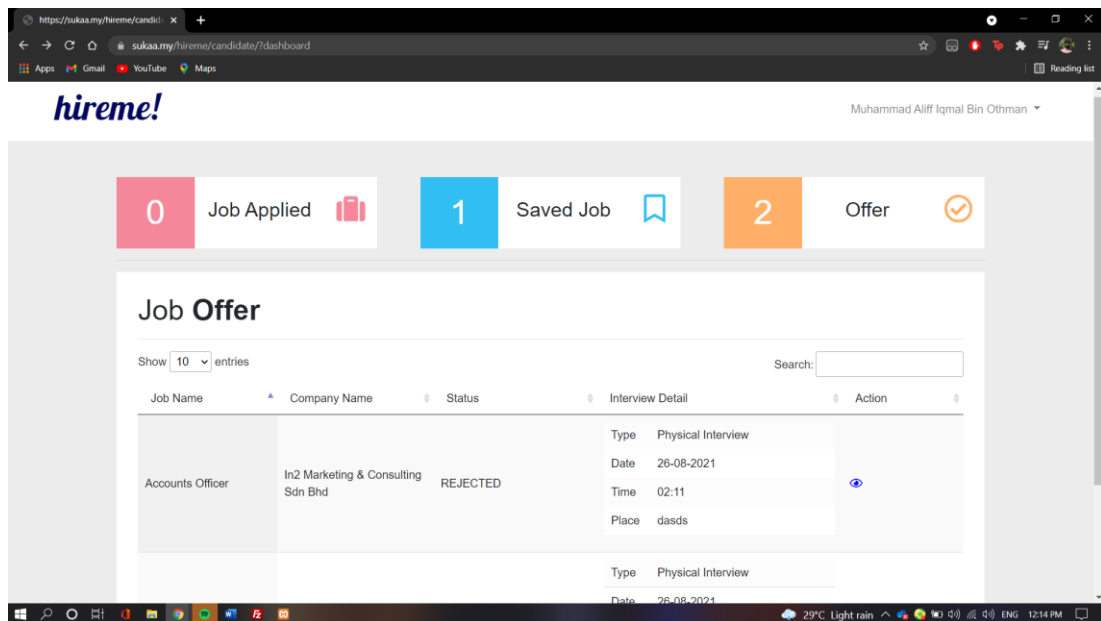


Figure 4-8: Job Offered

Figure 4-8 shows the job offered by the company with the extra details for the interview session.

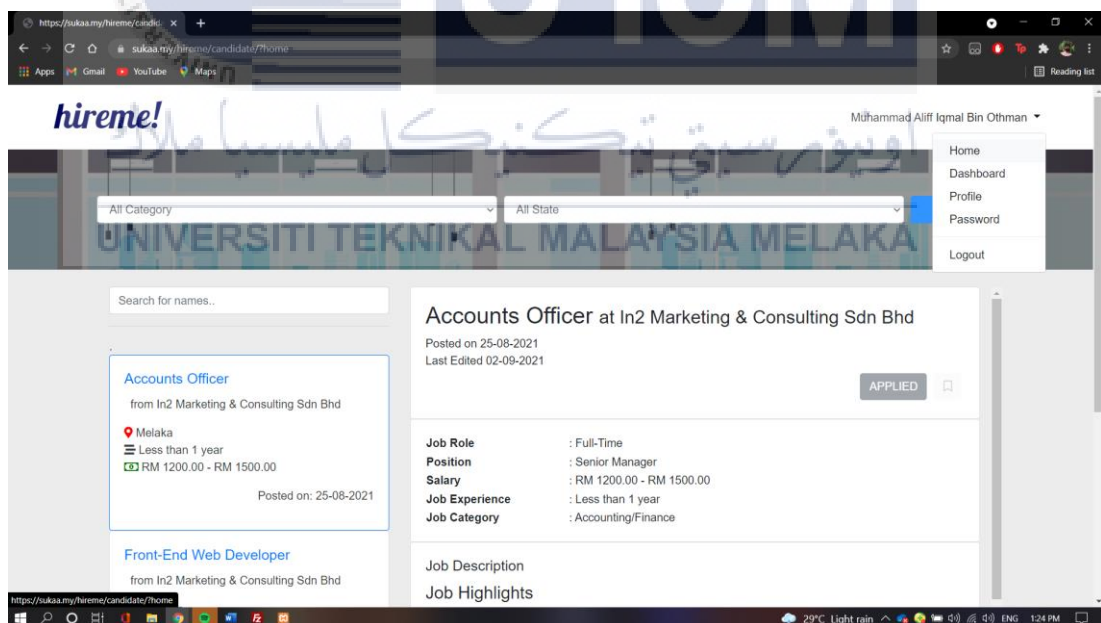


Figure 4-9: Homepage and Navigation for Candidate

Figure 4-9 shows the homepage and navigation for candidate. As for homepage it is the same as the one that has been shown before login except they can start applying and bookmarking their preferred jobs. As for the navigation there are Home,

Dashboard, Profile, Password and Logout. Logout will redirect the user to first landing page.

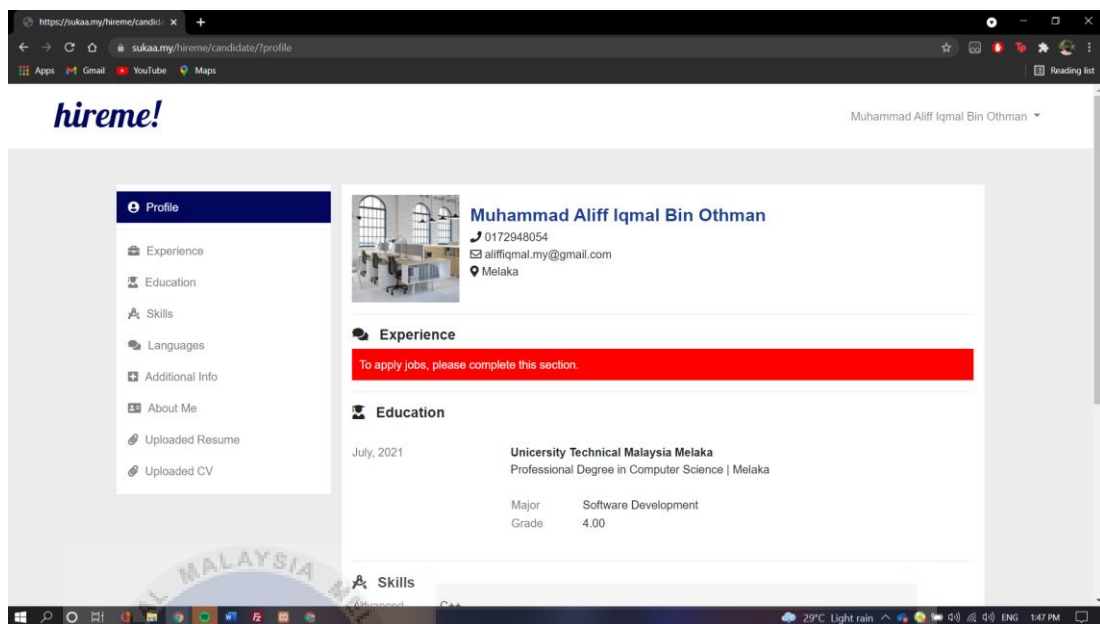


Figure 4-10: Candidate Built-In Resume

Figure 4-10 shows the built-in resume that can be customized by the user. The data that has been shown are the data that candidate has update.

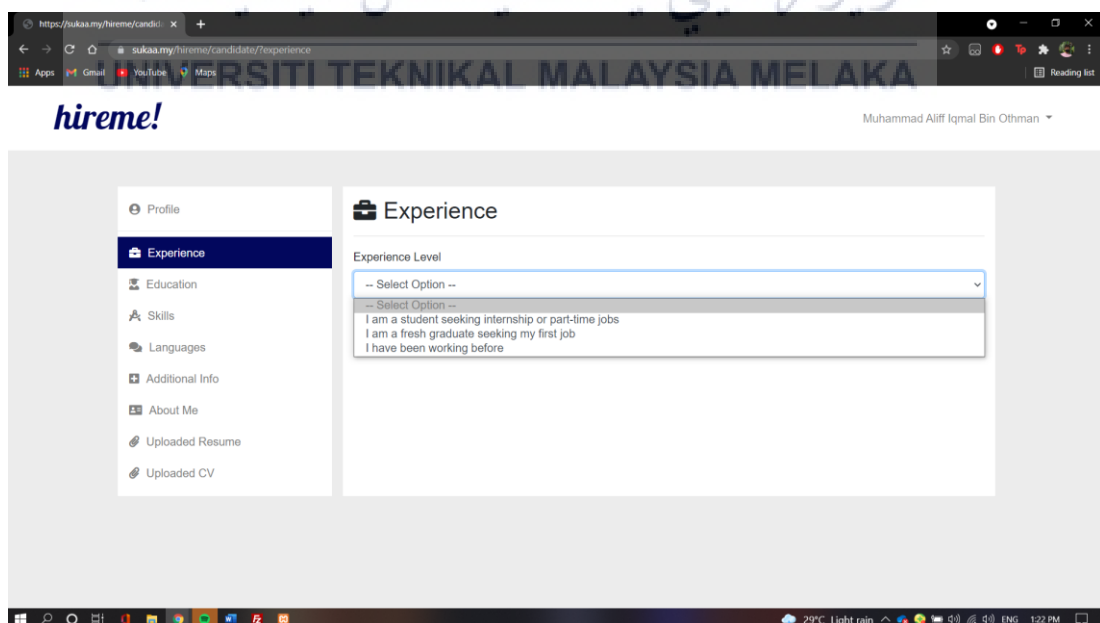
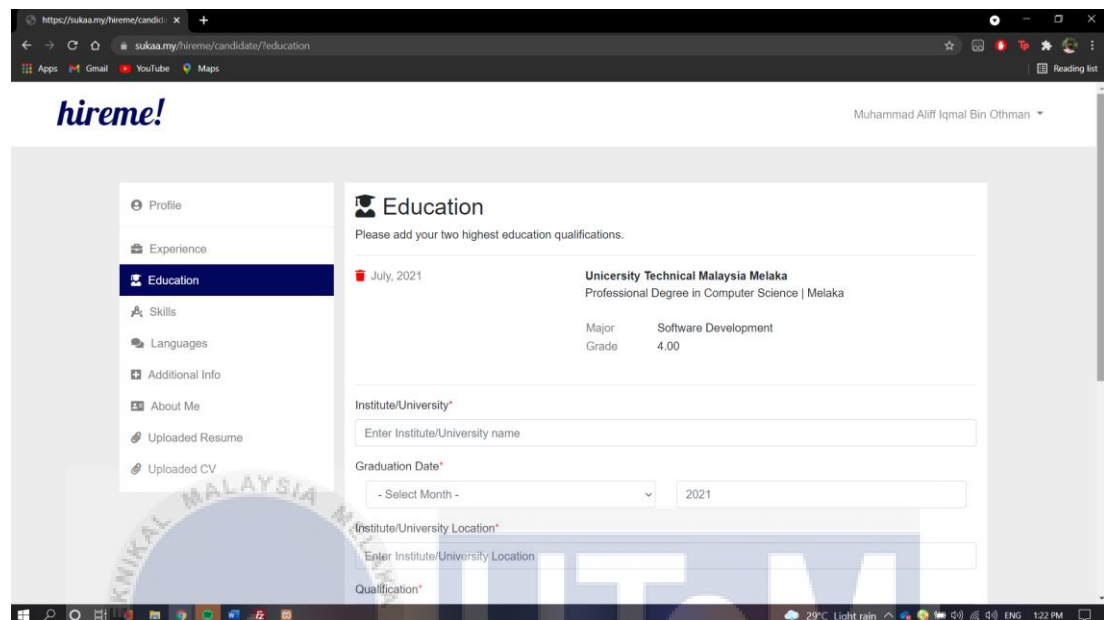


Figure 4-11: Experience Level for Resume

Figure 4-11 shows the experience tab that need to be fill by the user. There are 3 different options that can be choose and the form that need to be fill will be based on the option.



The screenshot shows a web browser window with the URL <https://sukas.my/hireme/candidate/education>. The page is titled "hireme!" and shows a user profile for "Muhammad Aliff Iqmal Bin Othman". The "Education" tab is selected in the left sidebar. The main content area is titled "Education" and asks the user to "Please add your two highest education qualifications." There is a red calendar icon next to "July, 2021". The form displays the following information:

University Technical Malaysia Melaka	
Professional Degree in Computer Science Melaka	
Major	Software Development
Grade	4.00

Below the table, there are input fields for:

- Institute/University***: Enter Institute/University name
- Graduation Date***: A dropdown menu for the month (currently showing "- Select Month -") and a text box for the year (currently showing "2021").
- Institute/University Location***: Enter Institute/University Location
- Qualification***: (This field is partially visible at the bottom of the form)

Figure 4-12: Education Level for Resume

Figure 4-12 shows the education form that needs to be fill by the user. The maximum number of educations are 2. User can customize their own level of education based on the selection.

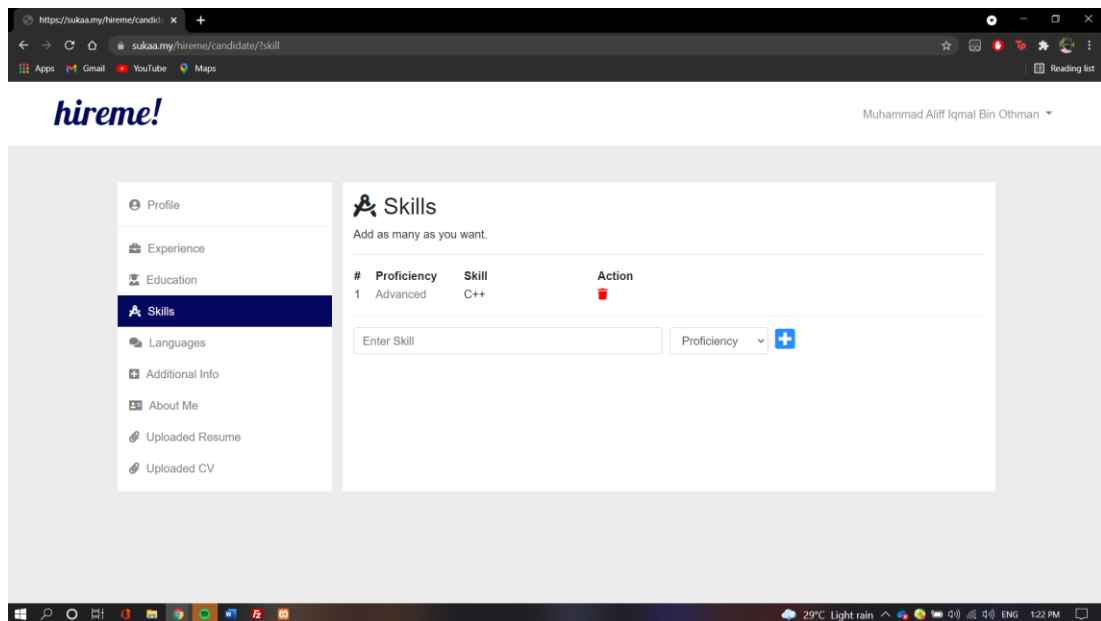


Figure 4-13: Skills for Resume

Figure 4-13 shows the skills that can be added by the user. There is also a function to delete for user to remove from the list.

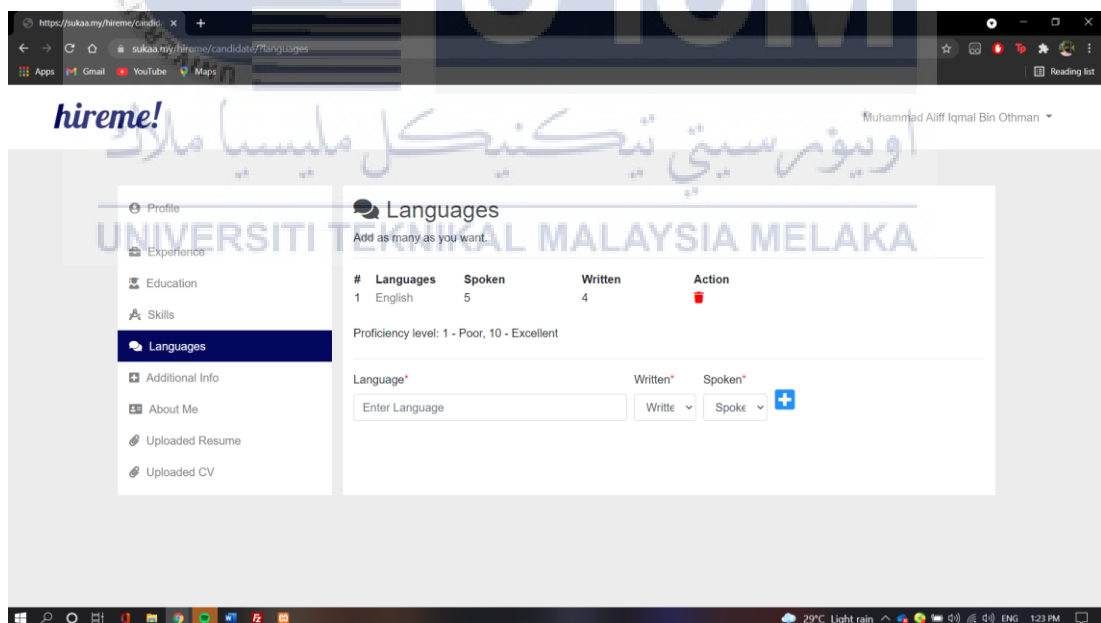


Figure 4-14: Languages for Resume

Figure 4-14 shows the languages that can be added by the user. There is also a function to delete for user to remove from the list.

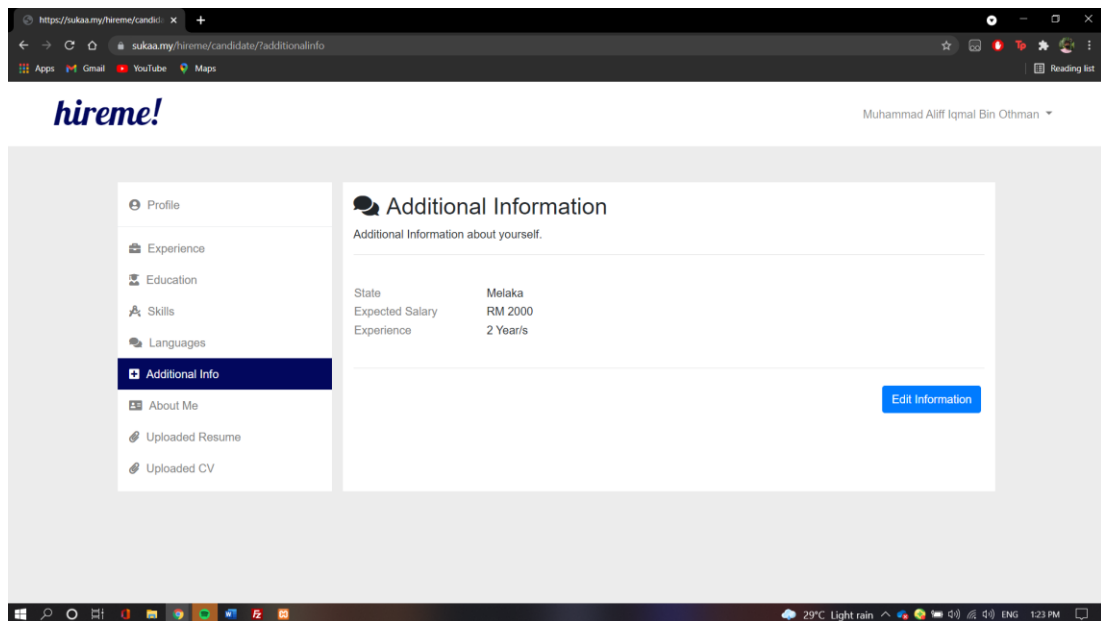


Figure 4-15: Additional Information for Resume

Figure 4-15 shows the additional information that can be added by the user. In order to edit there are a button that will direct to an editing modal.



Figure 4-16: About Me for Resume

Figure 4-16 shows the about me that can be added by the user. In order to edit there are a button that will direct to an editing modal.

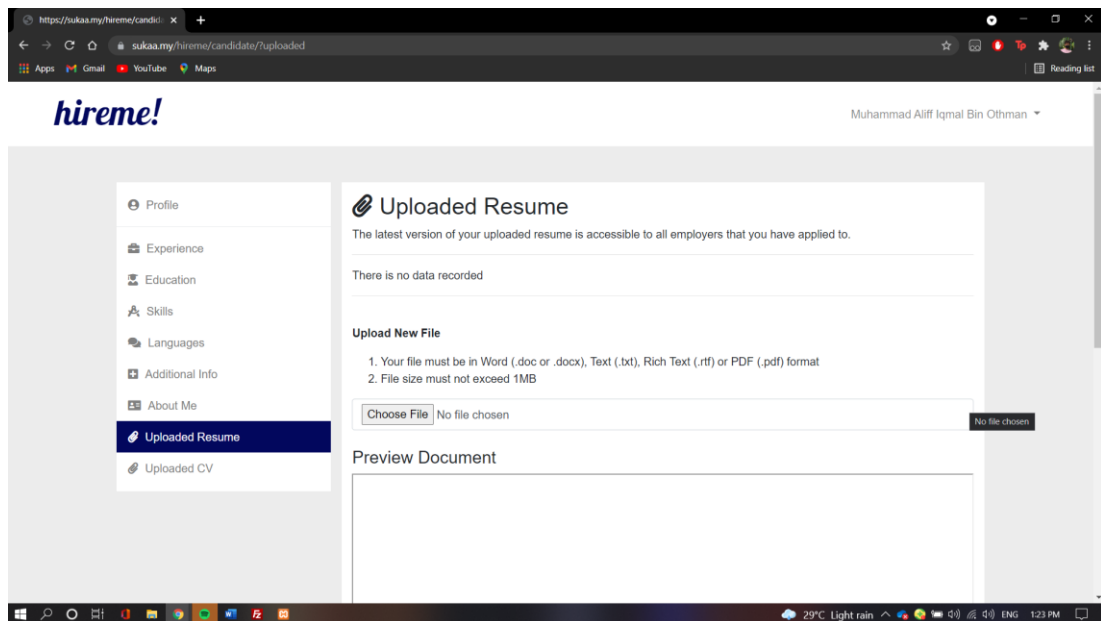


Figure 4-17: Uploaded Resume

Figure 4-17 shows the function of uploading user own resume to the system. The maximum number of uploading is 1.

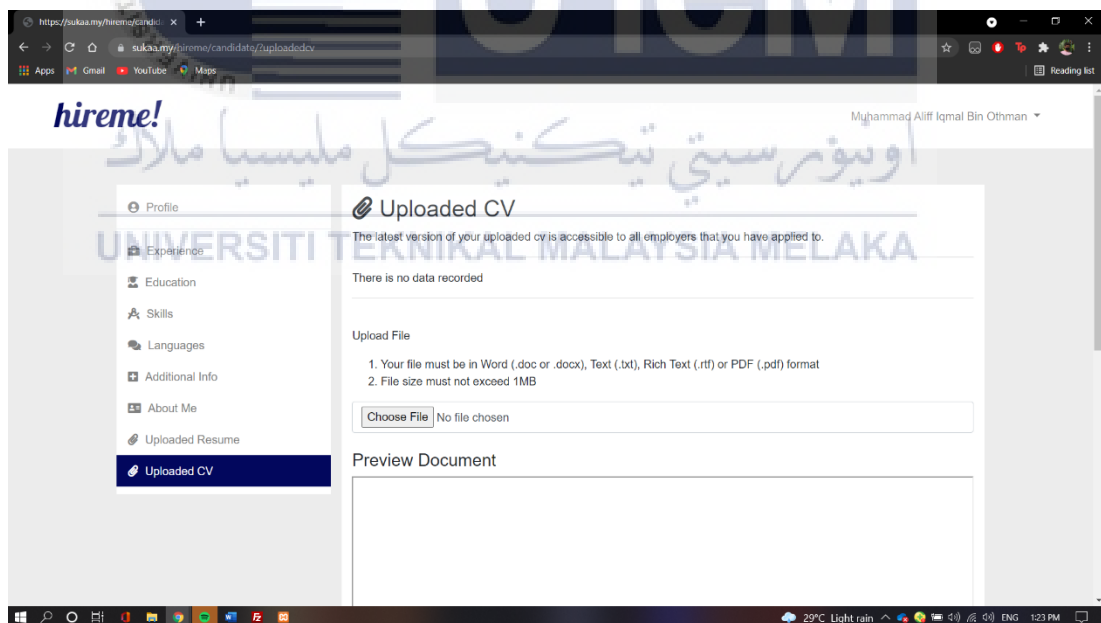


Figure 4-18: Uploaded CV

Figure 4-18 shows the function of uploading user own CV to the system. The maximum number of uploading is 1.

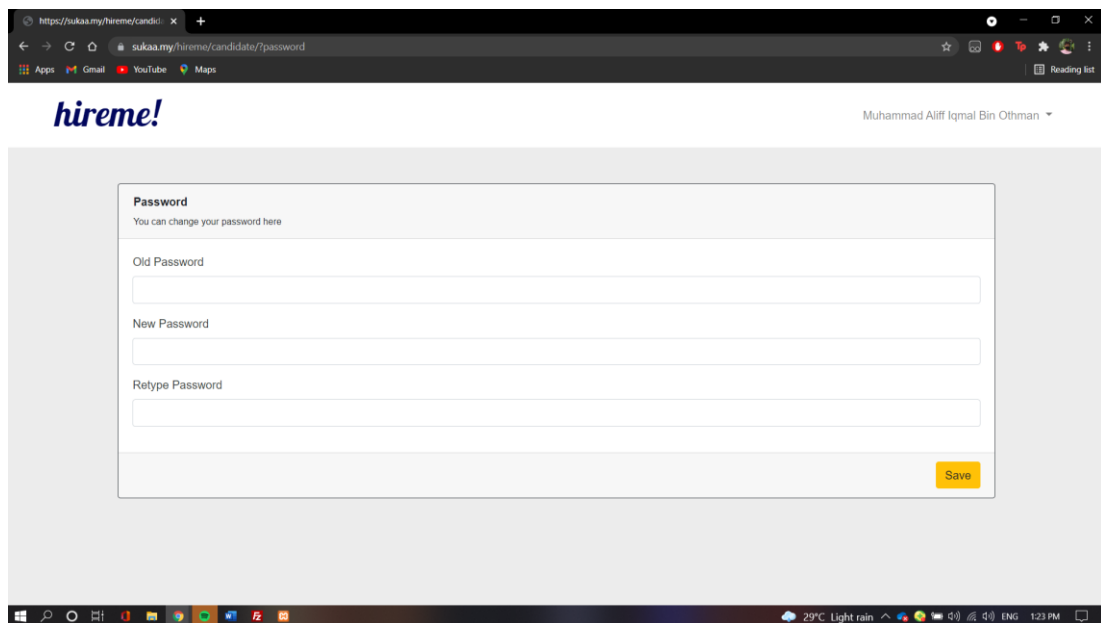


Figure 4-19: Password Management

Figure 4-19 shows the password management that can be use to set up a new password.

4.2.2.3 Company

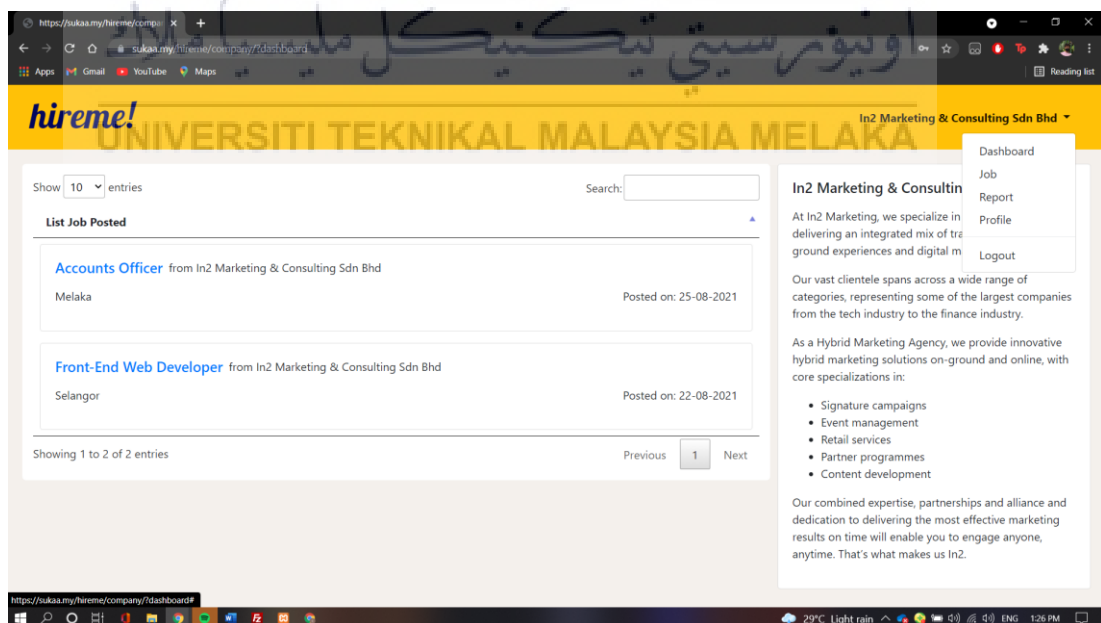


Figure 4-20: Dashboard and Navigation for Company

Figure 4-20 shows the dashboard after have logged in as company. There are a list of job posted and also the company information. For the dropdown navigation, there are Dashboard, Job, Profile and Logout. If the user click logout they will be directed to the landing page.

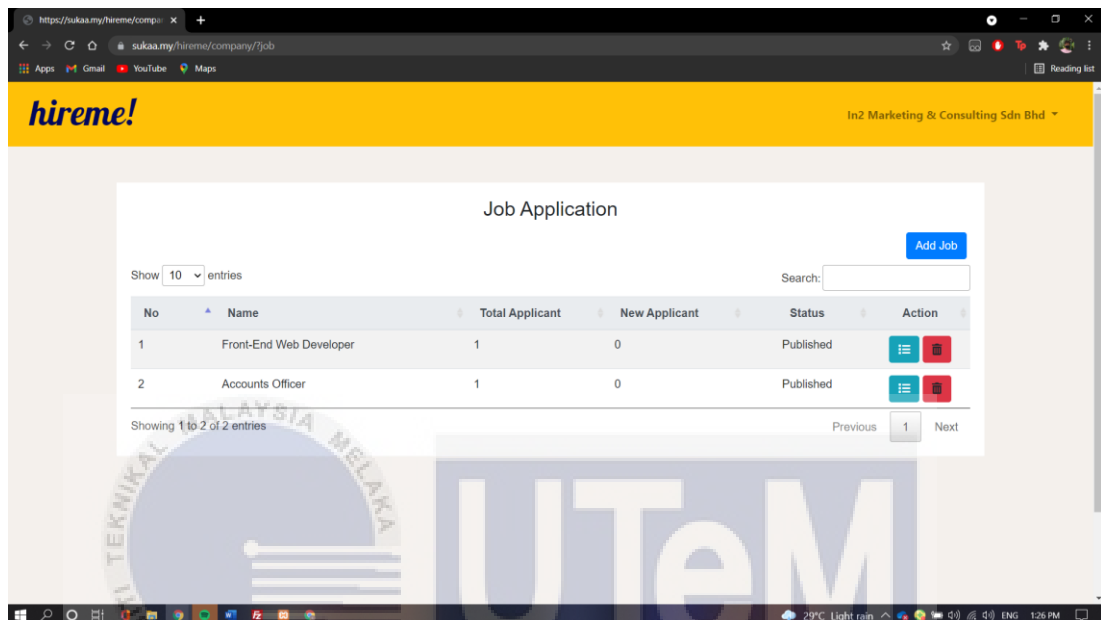


Figure 4-21: Job List

Figure 4-21 represents the Job List dropdown. There is a list of job that the company has posted. There is also a button that will show a popup modal to add a new job. To view more information about the job user may click the list icon. To remove user may click the trash icon.

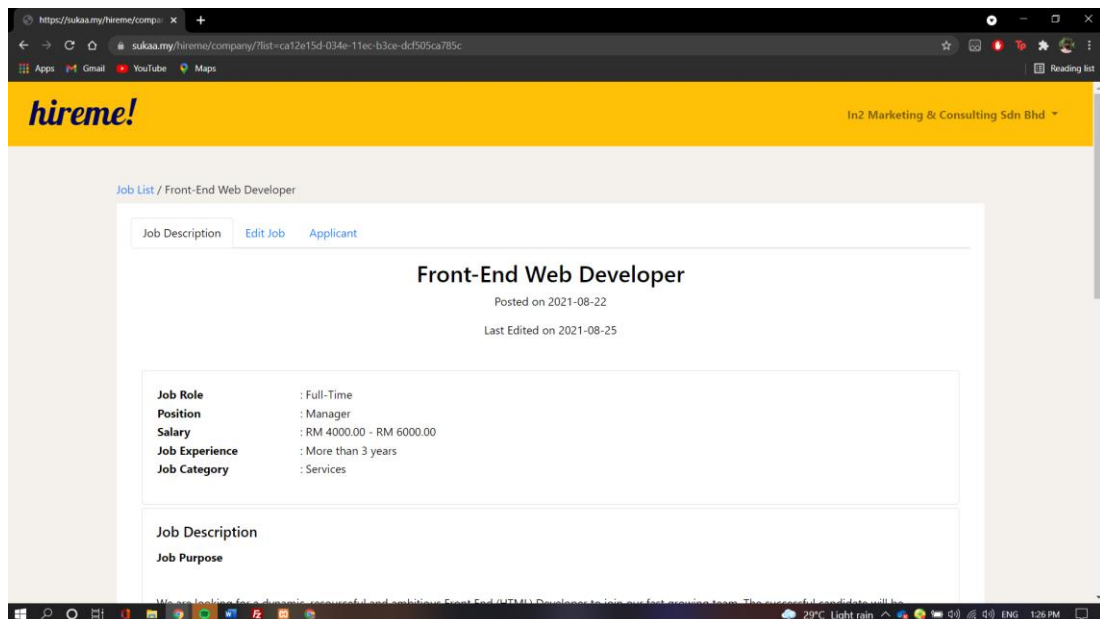


Figure 4-22: Job Details

Figure 4-22 shows the result of clicking the list button on previous interface. There are 3 tabs for company to choose. There are Job Description, Edit Job and also Applicant. For Job Description, company may see the interface that going to be show to the other candidates.

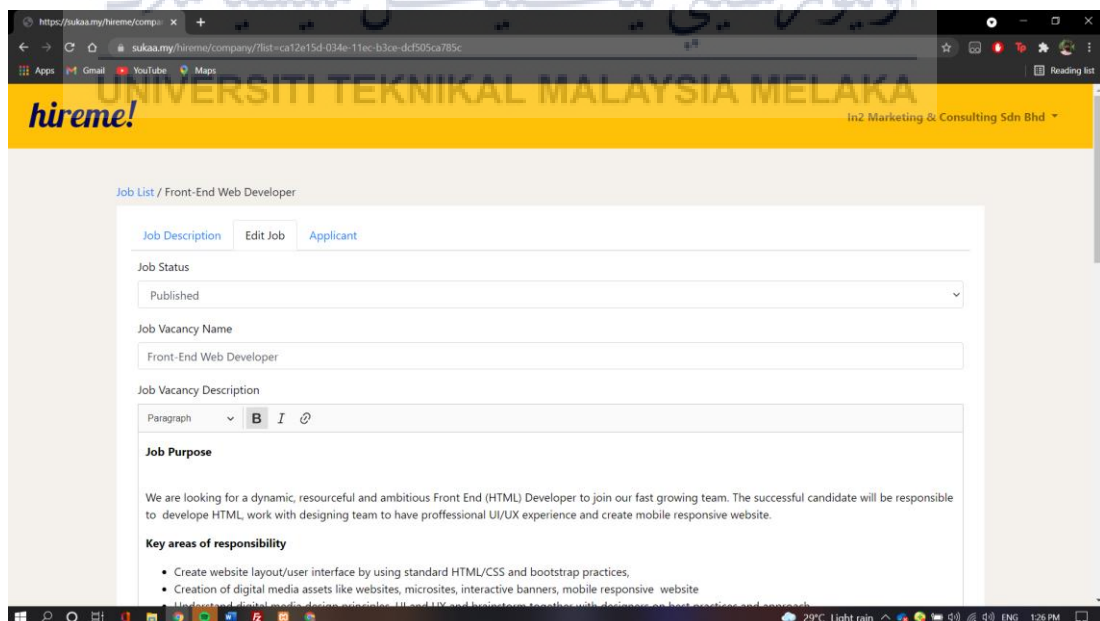


Figure 4-23: Form to Update Job Details

Figure 4-23 shows the Edit Job tabs that allows users to update any details of the job. They can also update the status of the job. If the status of the job is unpublished, the job will not be shown to the other candidates.

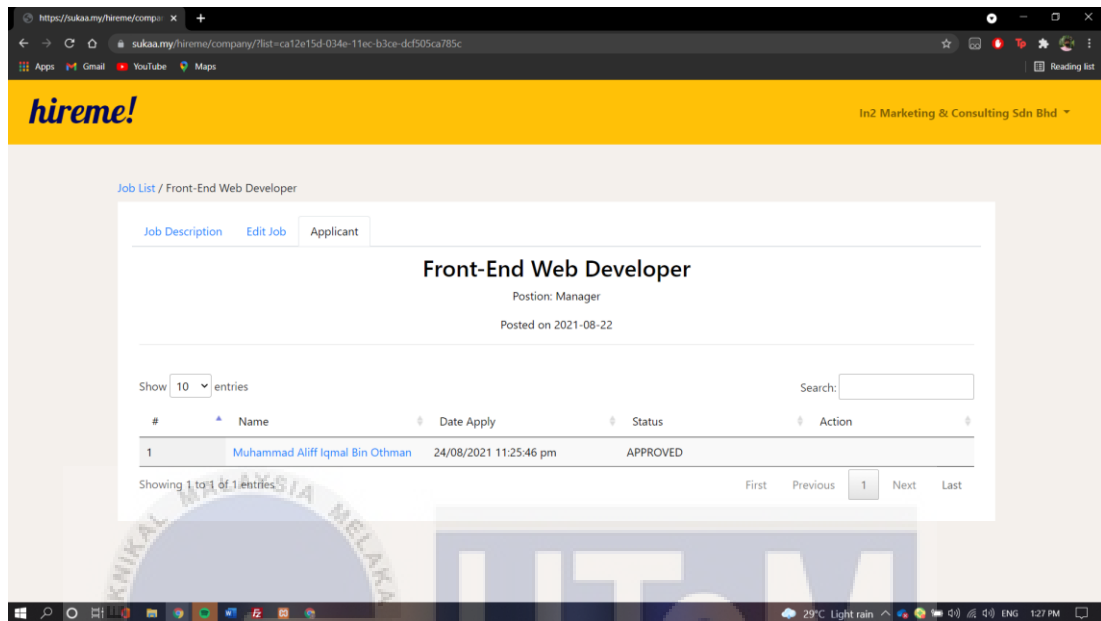


Figure 4-24: Applicant List

Figure 4-24 shows the applicant list tab. To view candidate resume, company may click their highlighted in blue name. For status, there are 3 different status that will be shown. There are Applied, Approved, and also Rejected. For Applied, the action will be either rejected or proceed. For Approved and Rejected, there will no action.

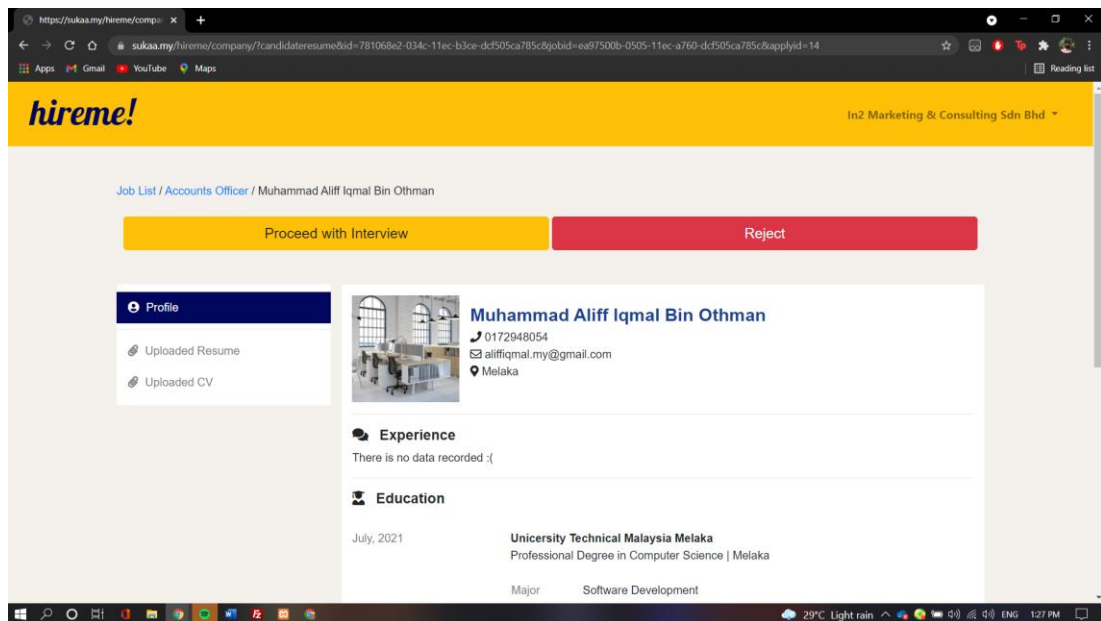


Figure 4-25: Decision for Candidate

Figure 4-25 shows the interface once company decided to continue with proceed in previous interface. There are proceed with interview and reject button.

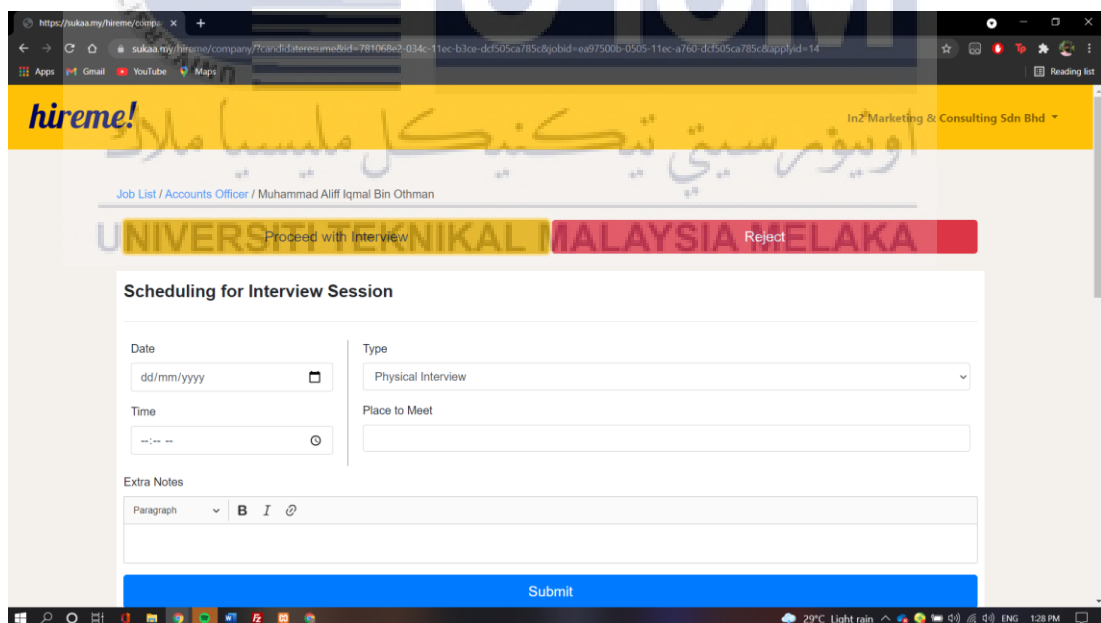


Figure 4-26: Interview Details to be Filled In

If company click Proceed with Interview, the interface of Figure 4-26 will be shown. A form of interview details will be shown.

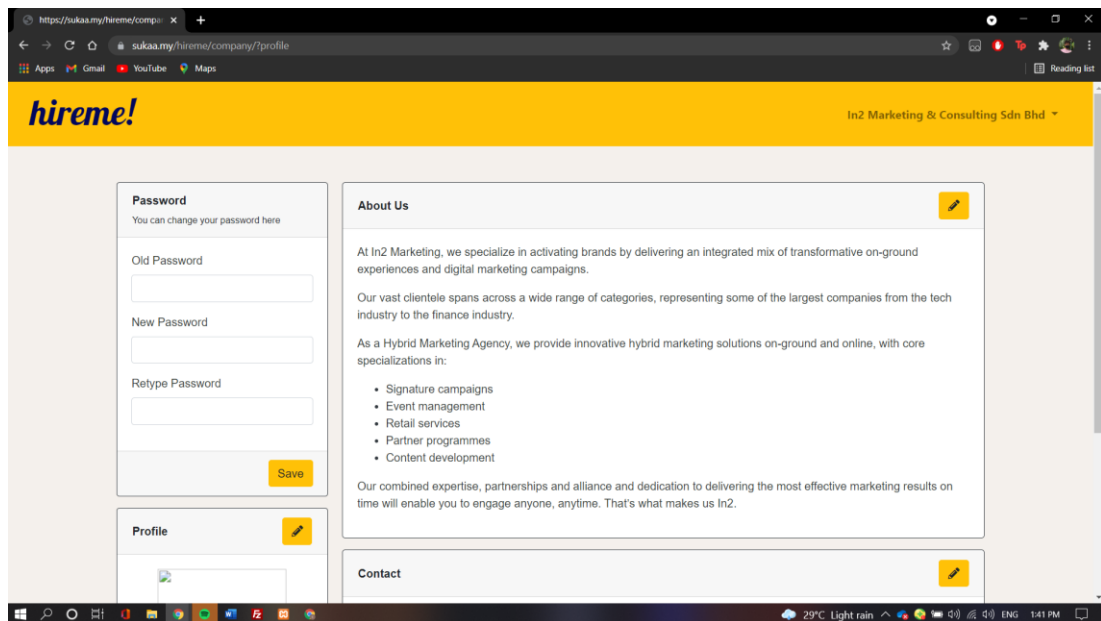


Figure 4-27: Company Profile

Figure 4-27 shows the company profile that can be customized by the company. Default data will be the one that they have submitted earlier during the registration process.

4.2.2.4 Admin

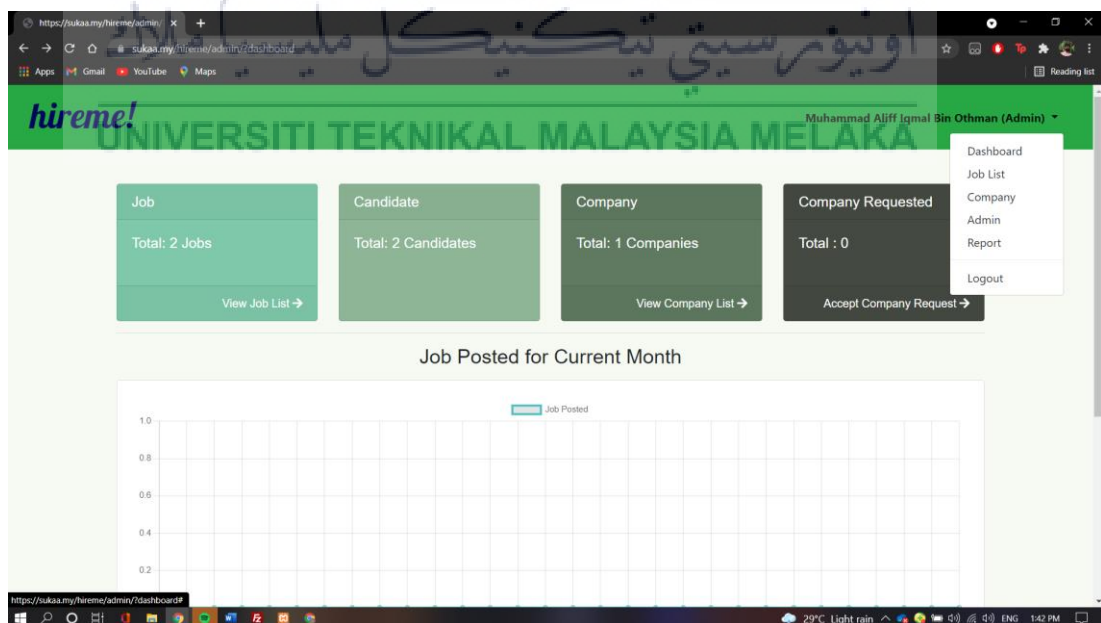


Figure 4-28: Dashboard and Navigation for Admin

Figure 4-28 shows the dashboard of admin. There is a quick view of total jobs, candidates, companies and also requested company. Some of them have view button that allows user to directly go to desired web page. As for dropdown navigation, there are Dashboard, Job List, Company, Admin, Report and Logout.

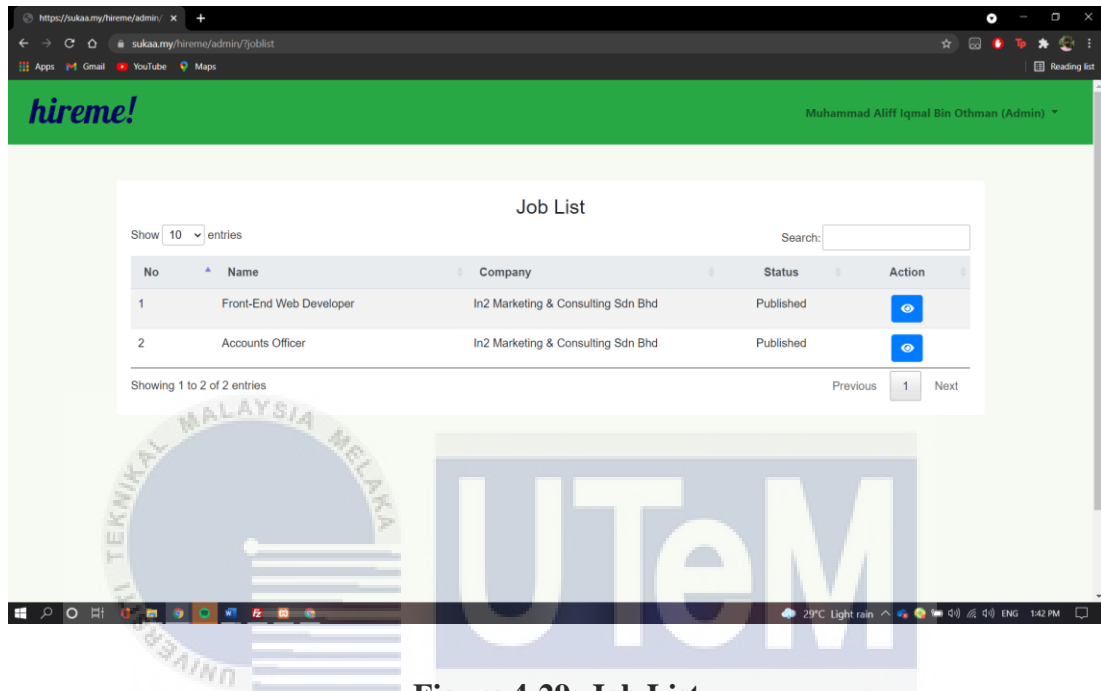


Figure 4-29: Job List

Figure 4-29 shows the Job List with the option to view by clicking the eye icon.

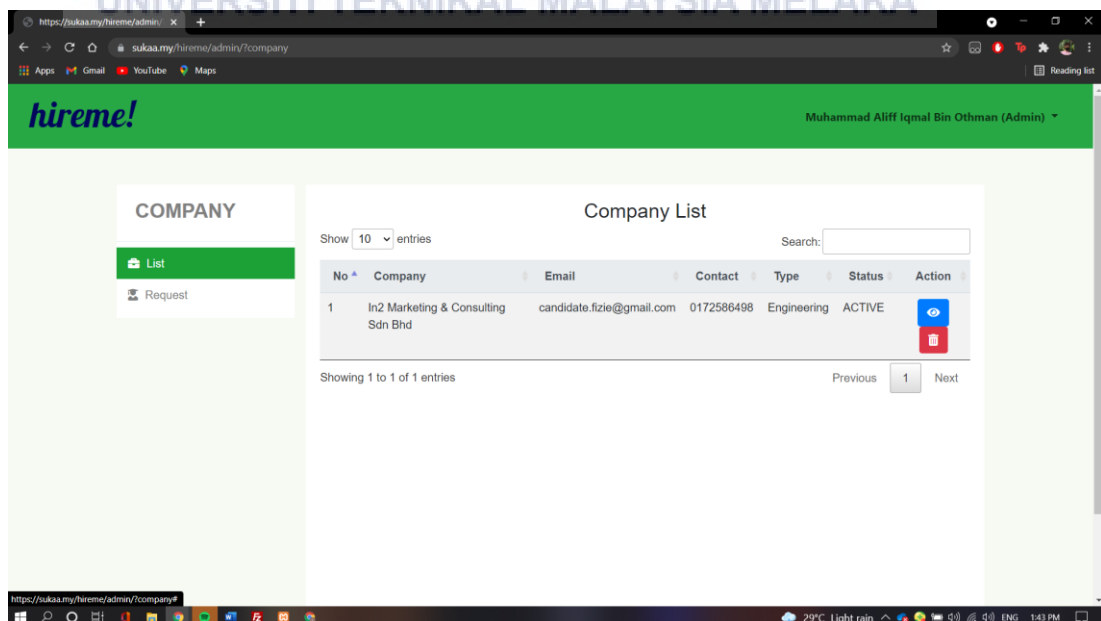


Figure 4-30: Company List

Figure 4-30 shows the company list that comes with option to view or deactivate company's account. There are also a tab of List and Company on the left side. Request will be the list of requested company that need to be analyzed and accept or reject the request that has been made by new company.

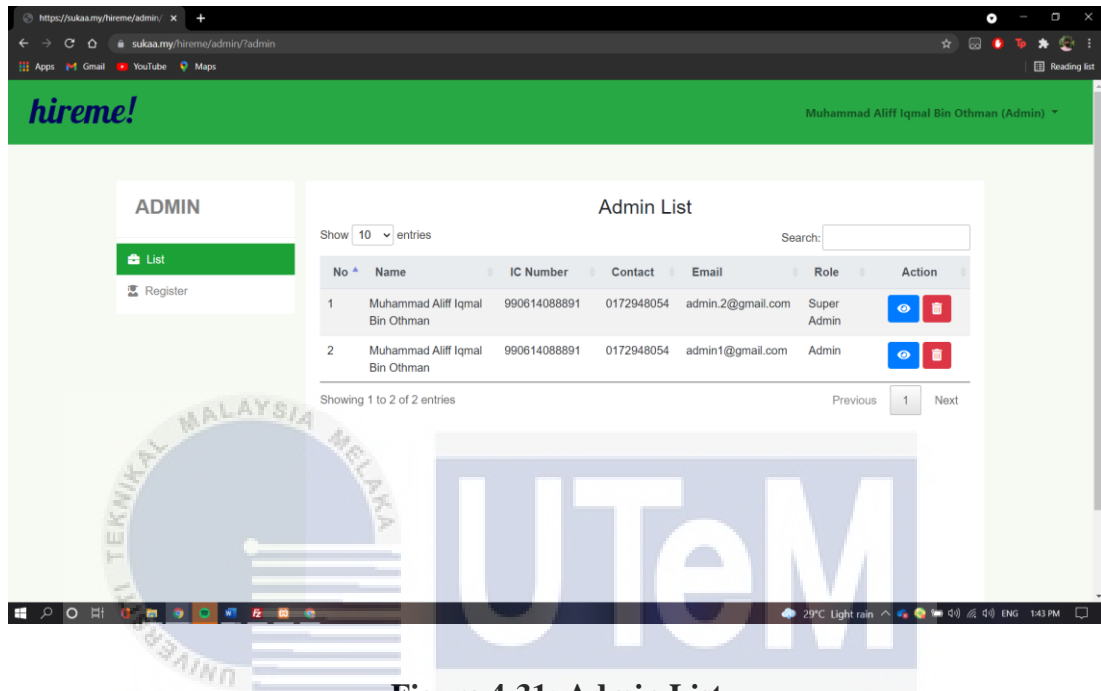


Figure 4-31: Admin List

Figure 4-31 shows the admin list that comes with the view and delete option. For the left side navigation there are List and Register for admin management purpose.

ADMIN

- List
- Register**

New Admin Registration

Personal Information

Fullname
Enter Fullname

IC/Passport Number
Enter IC/Passport Number

Contact No.
Enter Phone Number

Role
Admin

Login Details

Email
Email

Figure 4-32: New Admin Registration

Figure 4-32 shows the new admin registration form that needs to be fill by other admin to register a new admin.



Figure 4-33: Job Report

Figure 4-33 shows the report page that consist of Job, Company and Candidate report. There will be a summary by graph for admin to see. Admin can view the graph based on months and year.

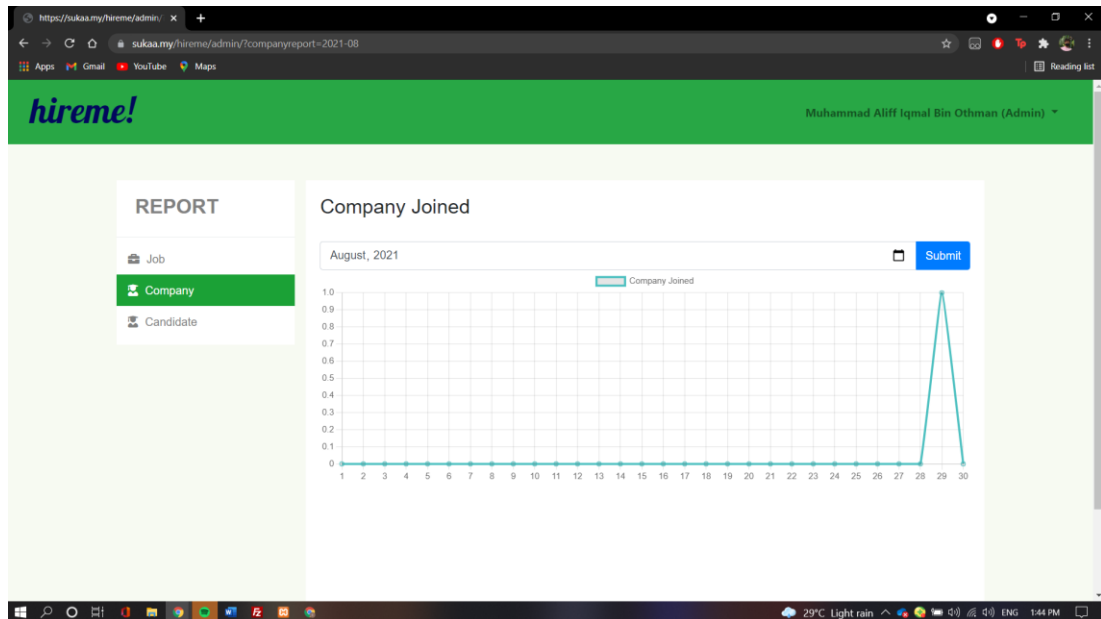


Figure 4-34: Company Report

Figure 4-34 shows the report of company that has joined Hireme!

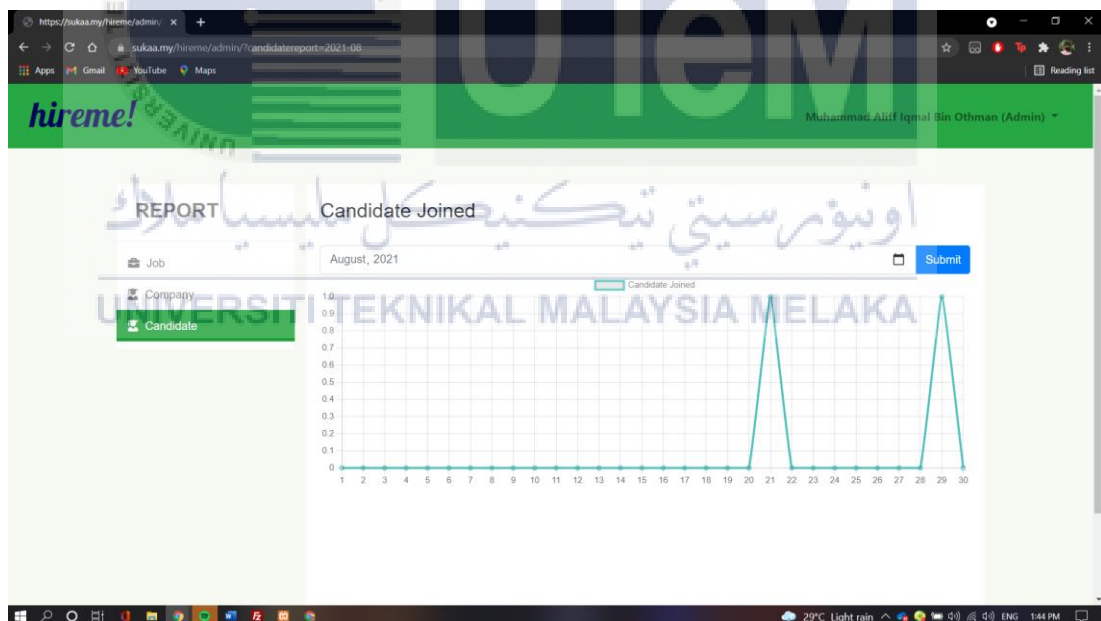


Figure 4-35: Candidate Report

Figure 4-34 shows the report of company that has joined Hireme!

4.2.3 Database Design

This section will describe the database design for Hireme! The database design is represented by Entity Relationship Diagram (ERD), business rules and data dictionary.



4.2.3.1 Conceptual Database Design

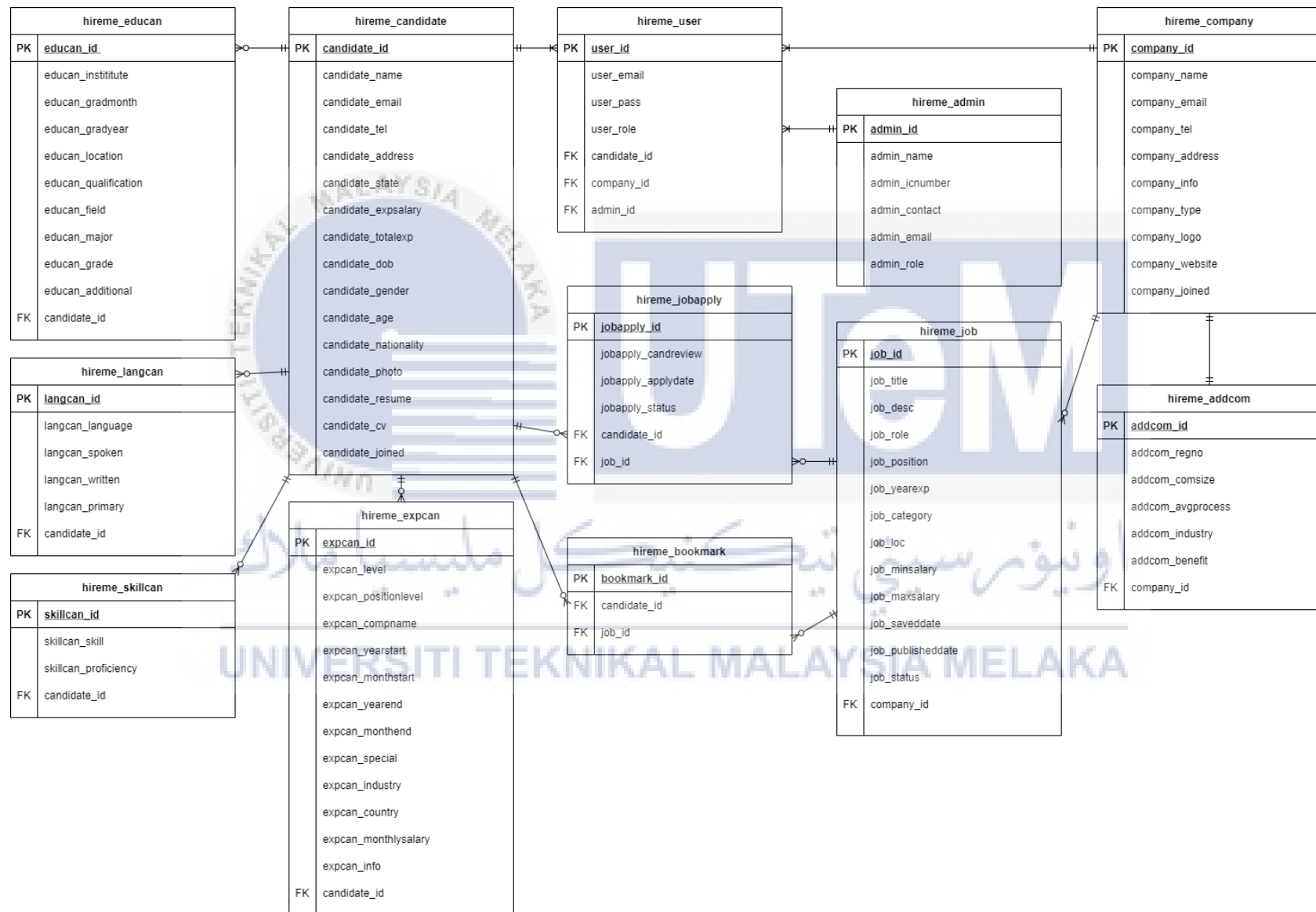


Figure 4-36: Conceptual Design for Hireme!

4.2.3.2 Logical Database Design

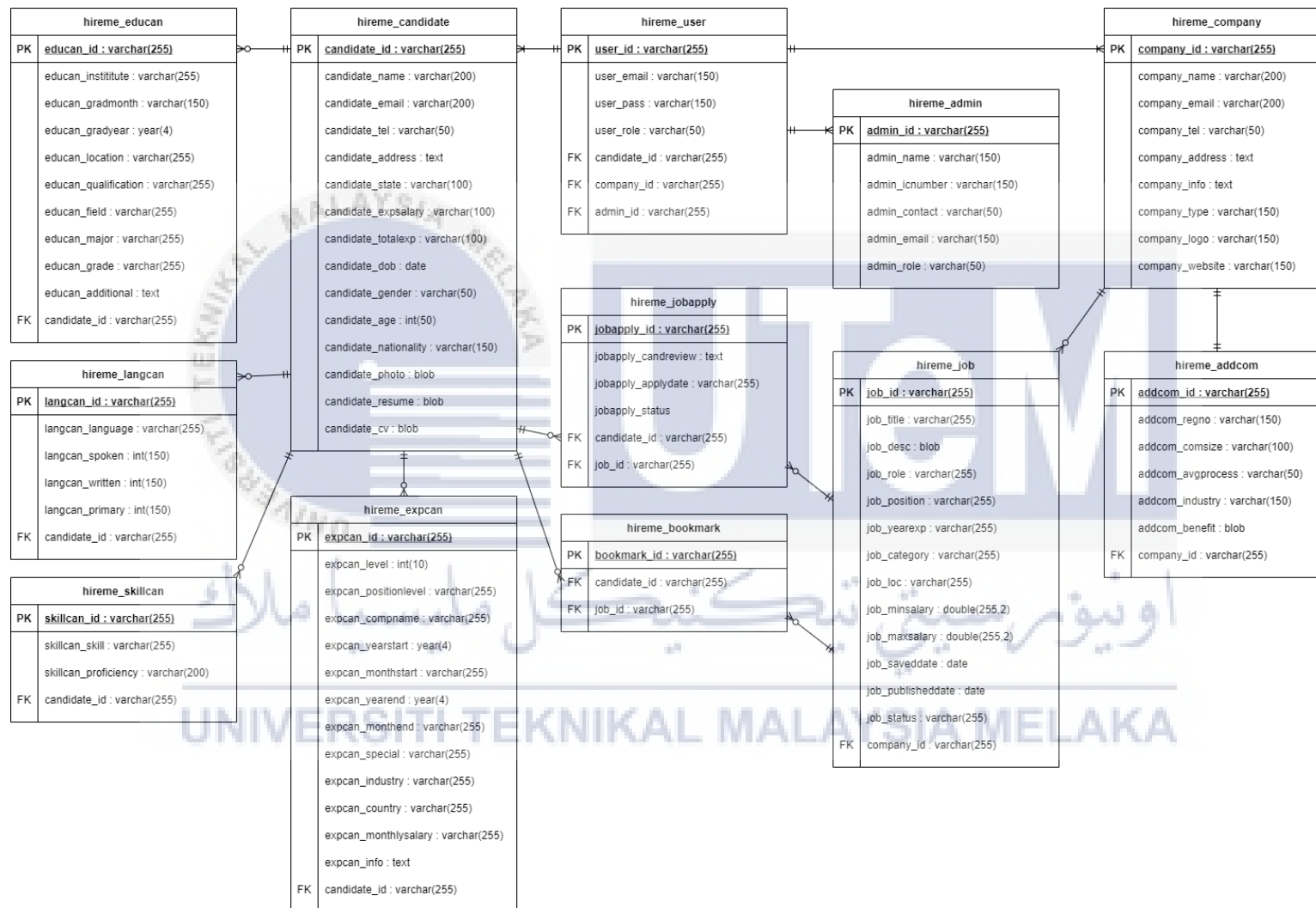


Figure 4-37: Logical Database Design for Hireme!

Figure 4-36 and 4-37 shows the database design for Hireme! There are 12 tables that relate to each other that helps the establishment of Hireme!

4.3 Detailed Design

This section will describe the detailed design for Hireme! This will consist of software design and physical database design. The whole SQL statement for Hireme! will be discuss in this section.

4.3.1 Software Design

Use Case: Login

1. Description : This use case includes the system login form.
2. Actor : Candidates/Company/Admin
3. Activation Characteristics : On user-needs
4. Precondition :
 1. Actor needs to have an existing account.
5. Events Flow : Normal Flow:
 1. Start when the actor fills in the login form
 2. Actors click on the login button
 3. Actor will direct to the page based on the user type.
 4. The use case ends.

Exceptional Flow:

 1. Sign Up

Actor will direct to the signup page
 2. Actor click forgot password

Actor will direct to the forgot password page.
6. Post Condition(s) : Actor is notified.
7. Rule(s) : The email and password must match with the database.

Use Case: Sign Up

1. Description : This use case includes system registration form. The use case that will required by the first-time user.
2. Actor : Candidates/Company/Admin
3. Activation Characteristics : On user click the button to sign up in login page.
4. Precondition : Actors do not have any account.
5. Events Flow : Normal Flow
 1. Start when the actor fill in the sign up form.
 2. Actors click on submit button.
 3. System will notify the successfully registered.
 4. Actor will direct to the login page.
 5. The use case ends.
6. Post Condition(s) : Actor will be able to login to the system.
7. Rule(s) : Email must not existed before.

Use Case: Forgot Password

1. Description : This use case includes system forgot password form.
2. Actor : Candidates/Company/Admin
3. Activation Characteristics : On user-needs.
4. Precondition : Actor is required to have an account.
5. Events Flow : Normal Flow
 1. Start when actor insert the email.
 2. Actors click on submit.
 3. The system will notify through email with the temporary password.
 4. This use case ends.
6. Post Condition(s) : Actor will be directed to the login page.
7. Rule(s) : Not Available.

Use Case: Applying a Job

1. Description : This use case includes the job list.
2. Actor : Candidate
3. Activation Characteristics : On user click the preferred job.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when actors click the apply button on the displayed job.
 2. Button color change from blue to grey.
 3. Use case ends.
6. Post Condition(s) : Actor successfully applied a job.
7. Rule(s) : Not Available.
8. Constraints : Actor may apply only once per job.

Use Case: Bookmarking a Job

1. Description : This use case includes the job list.
2. Actor : Candidate
3. Activation Characteristics : On user click the preferred job.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when actors click the bookmark button on the displayed job.
 2. Button color change from blue to grey.
 3. Use case ends.
6. Post Condition(s) : Actor successfully bookmark a job.
7. Rule(s) : Not Available.
8. Constraints : Actor may bookmark only once per job.

Use Case: Adding Experience to Resume

1. Description : This use case includes the experience form.
2. Actor : Candidate
3. Activation Characteristics : On user click the experience tab.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when actors choose the experience level.
 2. A form will appear based on selection.
 3. Actors fill the required information.
 4. Actors click the Save button.
 5. Use case ends.
6. Post Condition(s) : Actor successfully add an experience.
7. Rule(s) : Not Available.

Use Case: Adding Education to Resume

1. Description : This use case includes the experience form.
2. Actor : Candidate
3. Activation Characteristics : On user click the education tab.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when fill the education form.
 2. Actors click the Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully add an education.
7. Rule(s) : The maximum number of educations allowed to be added are 2.

Use Case: Adding Skills to Resume

1. Description : This use case includes the skills form.
2. Actor : Candidate
3. Activation Characteristics : On user click the skill tab.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when fill the skill form.
 2. Actors click the Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully add a skill.
7. Rule(s) : Not Available.

Use Case: Adding Languages to Resume

1. Description : This use case includes the language form.
2. Actor : Candidate
3. Activation Characteristics : On user click the skill tab.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when fill the language form.
 2. Actors click the Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully add a language.
7. Rule(s) : Not Available.

Use Case: Adding Additional Information to Resume

1. Description : This use case includes the additional information form.
2. Actor : Candidate
3. Activation Characteristics : On user click the additional info tab.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when fill the additional information form.
 2. Actors click the Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully update additional info.
7. Rule(s) : Not Available.

Use Case: Adding About Me to Resume

1. Description : This use case includes the about me form.
2. Actor : Candidate
3. Activation Characteristics : On user click the about me tab.
4. Precondition : Actor is required to login as candidates.
5. Events Flow :
 1. Start when fill the about me form.
 2. Actors click the Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully update about me.
7. Rule(s) : Not Available.

Use Case: Change Password

1. Description : This use case includes the changing password form.
2. Actor : Candidate/Company
3. Activation Characteristics : On user-needs.
4. Precondition : Actor is required to login as candidates or company.
5. Events Flow :
 1. Start when fill the changing password form.
 2. Actors click the Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully update new password.
7. Rule(s) : Not Available.

Use Case: Accepting Company Request

1. Description : This use case includes the request page.
2. Actor : Admin
3. Activation Characteristics : On user-needs.
4. Precondition : Actor is required to login as admin.
5. Events Flow :
 1. Start when actors click accept request.
 2. Use case ends.
6. Post Condition(s) : Actor successfully accept company request.
7. Rule(s) : Not Available.

Use Case: View Report

1. Description : This use case includes the report page.
2. Actor : Admin
3. Activation Characteristics : On user-needs.
4. Precondition : Actor is required to login as admin.
5. Events Flow :
 1. Start when actors fill the date form.
 2. Actors click Submit button to view data.
 3. Use case ends.
6. Post Condition(s) : Actor successfully accept company request.
7. Rule(s) : Not Available.

Use Case: Add a Job

1. Description : This use case includes the job page.
2. Actor : Company
3. Activation Characteristics : On user-needs.
4. Precondition : Actor is required to login as company.
5. Events Flow : Normal Flow
 1. Start when actors fill the add new job form.
 2. Actors click Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully added a new job.
7. Rule(s) : Not Available.

Use Case: Proceed with Interview

1. Description : This use case includes the interview page.
2. Actor : Company
3. Activation Characteristics : On user-needs.
4. Precondition : Actor is required to login as company.
5. Events Flow : Normal Flow
 1. Start when actors fill the interview form.
 2. Actors click Save button.
 3. Use case ends.
6. Post Condition(s) : Actor successfully added an interview.
7. Rule(s) : Not Available.

4.3.2 Physical Database Design

In this physical database design, data definition language (DDL) is used to manage the table and object in database using CRUD (Create, Retrieve, Update and Delete). The DDL command used in MySQL database is shown as below:

- i. **CREATE** – To create a table in the database.

CREATE-TABLE <table name>;

- ii. **UPDATE** – To update the attributes in the table.

UPDATE<table name>SET<column name>=<new value>

WHERE<condition>;

- iii. **INSERT** – To insert the data in the table.

INSERT INTO <table name>(<column1>, ...) VALUES (<value1, ...>);

- iv. **DELETE** – To delete the data in the table.

DELETE FROM <table name>WHERE<condition>;

- v. **SELECT** – To find the data in the table.

SELECT * FROM <table name> WHERE <condition>;

For Hireme! this is the sql statement that has been implemented:

Table 4-1: SQL Statement for Hireme!

```
-- Database: `hireme`
--
-----

--
-- Table structure for table `hireme_addcom`
--

CREATE TABLE `hireme_addcom` (
  `addcom_id` int(255) NOT NULL,
  `addcom_regno` varchar(150) NOT NULL,
  `addcom_comsize` varchar(100) NOT NULL,
  `addcom_avgprocess` varchar(50) NOT NULL,
  `addcom_industry` varchar(150) NOT NULL,
  `addcom_benefit` blob NOT NULL,
  `company_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_addcom`
--

INSERT INTO `hireme_addcom` (`addcom_id`, `addcom_regno`,
`addcom_comsize`, `addcom_avgprocess`, `addcom_industry`, `addcom_benefit`,
`company_id`) VALUES
(95, '586034-A', '200', '7 Days', 'Manufacturing',
0x52475675644746734c43424e61584e6a5a5778735957356c6233567a494746736
24739335957356a5a5377675457566b61574e68624377675547467961326c755a79
```

```
7767556d566e645778686369426f6233567963797767545739755a4746356379417
449455a796157526865584d7349454a3163326c755a584e7a4943686c4c6d637549
464e6f61584a3063796b7349456c75633356795957356a5a516b4a43516b4a43516
b4a43513d3d, '6122517fa522c');
```

```
-----
```

```
--
```

```
-- Table structure for table `hireme_admin`
```

```
--
```

```
CREATE TABLE `hireme_admin` (
  `admin_id` varchar(255) NOT NULL,
  `admin_name` varchar(255) NOT NULL,
  `admin_icnumber` varchar(255) NOT NULL,
  `admin_contact` varchar(255) NOT NULL,
  `admin_email` varchar(255) NOT NULL,
  `admin_role` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Dumping data for table `hireme_admin`
```

```
--
```

```
INSERT INTO `hireme_admin` (`admin_id`, `admin_name`, `admin_icnumber`,
`admin_contact`, `admin_email`, `admin_role`) VALUES
('6123e3423b4d5', 'Muhammad Aliff Iqmal Bin Othman', '990614088891',
'0172948054', 'admin1@gmail.com', 'Admin'),
('61267083547c0', 'Muhammad Aliff Iqmal Bin Othman', '990614088891',
'0172948054', 'admin.2@gmail.com', 'Super Admin');
```

```
-----
```

```
--
```

```
-- Table structure for table `hireme_bookmark`
```

```
--
```

```
CREATE TABLE `hireme_bookmark` (
  `bookmark_id` int(255) NOT NULL,
  `job_id` varchar(255) NOT NULL,
  `candidate_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
-----
```

```
--
-- Table structure for table `hireme_candidate`
--
```

```
CREATE TABLE `hireme_candidate` (
  `candidate_id` varchar(255) NOT NULL,
  `candidate_name` varchar(200) NOT NULL,
  `candidate_email` varchar(200) NOT NULL,
  `candidate_tel` varchar(100) DEFAULT NULL,
  `candidate_address` text DEFAULT NULL,
  `candidate_state` varchar(100) DEFAULT NULL,
  `candidate_expsalary` varchar(100) DEFAULT NULL,
  `candidate_totalexp` varchar(100) DEFAULT NULL,
  `candidate_dob` date DEFAULT NULL,
  `candidate_gender` varchar(100) DEFAULT NULL,
  `candidate_age` int(50) DEFAULT NULL,
  `candidate_nationality` varchar(150) DEFAULT NULL,
  `candidate_photo` varchar(255) DEFAULT NULL,
  `candidate_resume` blob NOT NULL,
  `candidate_cv` blob NOT NULL,
  `candidate_joined` date DEFAULT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `hireme_candidate`
--
```

```
INSERT INTO `hireme_candidate` (`candidate_id`, `candidate_name`,
`candidate_email`, `candidate_tel`, `candidate_address`, `candidate_state`,
`candidate_expsalary`, `candidate_totalexp`, `candidate_dob`, `candidate_gender`,
`candidate_age`, `candidate_nationality`, `candidate_photo`, `candidate_resume`,
`candidate_cv`, `candidate_joined`) VALUES
```

```
('781068e2-034c-11ec-b3ce-dcf505ca785c', 'Muhammad Aliff Iqmal Bin Othman',
'aliffiqmal.my@gmail.com', '0172948054', '13, Jalan TU 34, Taman Tasik Utama',
'Melaka', '2000', '2', '1999-06-14', 'Male', NULL, 'Malaysian', NULL, "", "", '2021-08-21'),
```

```
('83e6a54b-08b5-11ec-a430-dcf505ca785c', 'Muhammad Aliff Iqmal Bin Othman',
'aliffiqmal45.my@gmail.com', NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, NULL, "", "", '2021-08-29');
```

```
-----
```

```
--
```

```
-- Table structure for table `hireme_company`
```

```
--
```

```
CREATE TABLE `hireme_company` (
  `company_id` varchar(255) NOT NULL,
  `company_name` varchar(255) NOT NULL,
  `company_email` varchar(150) NOT NULL,
  `company_tel` varchar(100) DEFAULT NULL,
  `company_type` varchar(150) DEFAULT NULL,
  `company_info` text DEFAULT NULL,
  `company_address` text DEFAULT NULL,
  `company_logo` varchar(150) DEFAULT NULL,
  `company_website` varchar(150) DEFAULT NULL,
  `company_status` varchar(100) NOT NULL,
  `company_joined` date DEFAULT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
```

```
-- Dumping data for table `hireme_company`
```

```
--
```

```
INSERT INTO `hireme_company` (`company_id`, `company_name`,
`company_email`, `company_tel`, `company_type`, `company_info`,
`company_address`, `company_logo`, `company_website`, `company_status`,
`company_joined`) VALUES
```

```
('6122517fa522c', 'In2 Marketing & Consulting Sdn Bhd',
'candidate.fizie@gmail.com', '0172586498', 'Engineering',
'PHA+QXQgSW4yIE1hcmtldGluZywgZD2Ugc3BIY2lhbGl6ZSBpbmBiY3RpdmdF0
aW5nIGJyYW5kcyBieSBkZWxpdmVyaW5nIGFuIGludGVncmF0ZWQgbWl4IG
9mIHRyYW5zZm9ybWF0aXZlIG9uLWdyb3VuZCBleHBlemlbmNlcyBhbmQg
ZGlnaXRhbCBtYXJrZXRpbmcgY2FtcGFpZ25zLiZuYnNwOzwvcD48cD5PdXIg
dmFzdCBjbGllbnRlbGUgc3BhbnMgYWNyY3NzIGEd2lkZSBYbW5nZSBvZiBj
YXRlZ29yaWVzLCByZXByZXNlbnRpbmcgc29tZSBvZiB0aGUgbGFyZ2VzdC
Bjb21wYW5pZXMGZnJvbSB0aGUgdGVjaCBpbmRlc3RyeSB0byB0aGUgZmlu
YW5jZSBpbmRlc3RyeS48L3A+PHA+QXMgYSBleWJyaWQgTWfya2V0aW5
nIEFnZW5jeSwgd2UgcHJvdmlkZSBpbm5vdmF0aXZlIGh5YnJpZCBtYXJrZXR
pbmcgc29sdXRpb25zIG9uLWdyb3VuZCBhbmQgb25saW5lLCB3aXRoIGNvcm
Ugc3BIY2lhbGl6YXRpb25zIGluOjwvcD48dWw+PGxpPINpZ25hdHVyZSBjYW
1wYWlnbnM8L2xpPjxsaT5FdmVudCBtYW5hZ2VtZW50PC9saT48bGk+UmV0
YWlsIHNlcnZpY2VzPC9saT48bGk+UGFydG5lciBwcm9ncmFtbWVzPC9saT48
bGk+Q29udGVudCBkZXZlbg9wbWVudDwvbGk+PC91bD48cD5PdXIgY29tY
mluZWQgZXhwZXJ0aXNlLCBwYXJ0bmVyc2hpcHMgYW5kIGFsbGlhbmNlIG
FuZCBkZWRpY2F0aW9uIHRvIGRlbGl2ZXJpbmcgdGhlIGlvc3QgZWZmZW5n
OaXZlIG1hcmtldGluZyByZXNlbnRpbWUgd2lsbCBlemlbmFibGUgeW91
IHRvIGVud2FnZSBhbnlvbmUsIGFueXRpbWUuIFRoYXRTigJlZiHdoYXQgbWF
rZXMGdXMgSW4yLjwvcD4=', 'B-10-12, Gateway Corporate Suites, Gateway
Kiaromas, Jalan Desa Kiara 1, Mont Kiara, 50480 Kuala Lumpur',
'Pgehq0OmCnxgTw__36762__photo_2021-07-01_00-05-02.JPEG',
'https://in2ideas.com/', 'ACTIVE', '2021-08-29');
```

----- UNIVERSITI TEKNIKAL MALAYSIA MELAKA

-- Table structure for table `hireme_educan`

```
CREATE TABLE `hireme_educan` (
`educan_id` int(255) NOT NULL,
`educan_institute` varchar(255) NOT NULL,
`educan_gradmonth` varchar(150) NOT NULL,
`educan_gradyear` year(4) NOT NULL,
`educan_location` varchar(150) NOT NULL,
`educan_qualification` varchar(255) NOT NULL,
`educan_field` varchar(200) NOT NULL,
```

```

`educan_major` varchar(200) NOT NULL,
`educan_grade` varchar(255) NOT NULL,
`educan_additional` text NOT NULL,
`candidate_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_educan`
--

INSERT INTO `hireme_educan` (`educan_id`, `educan_institute`,
`educan_gradmonth`, `educan_gradyear`, `educan_location`,
`educan_qualification`, `educan_field`, `educan_major`, `educan_grade`,
`educan_additional`, `candidate_id`) VALUES
(6, 'Unicersity Technical Malaysia Melaka', 'July', 2021, 'Melaka', 'Professional
Degree', 'Computer Science', 'Software Development', '4.00', '', '781068e2-034c-
11ec-b3ce-dcf505ca785c');

-----
--
-- Table structure for table `hireme_expcan`
--
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

CREATE TABLE `hireme_expcan` (
`expcan_id` int(255) NOT NULL,
`expcan_level` int(50) NOT NULL,
`expcan_positionlevel` varchar(150) NOT NULL,
`expcan_compname` varchar(255) NOT NULL,
`expcan_yearstart` year(4) NOT NULL,
`expcan_monthstart` varchar(150) NOT NULL,
`expcan_yearend` year(4) NOT NULL,
`expcan_monthend` varchar(150) NOT NULL,
`expcan_present` tinyint(1) NOT NULL,
`expcan_special` varchar(250) NOT NULL,
`expcan_country` varchar(200) NOT NULL,

```

```

`expcan_industry` varchar(200) NOT NULL,
`expcan_monthlysalary` double(255,2) NOT NULL,
`expcan_desc` text NOT NULL,
`candidate_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

-----

--
-- Table structure for table `hireme_interview`
--

CREATE TABLE `hireme_interview` (
  `iv_id` int(99) NOT NULL,
  `iv_date` varchar(99) NOT NULL,
  `iv_time` varchar(99) NOT NULL,
  `iv_type` varchar(99) NOT NULL,
  `iv_place` varchar(99) NOT NULL,
  `iv_platform` varchar(99) NOT NULL,
  `iv_contact` varchar(99) NOT NULL,
  `iv_link` varchar(99) NOT NULL,
  `iv_notes` varchar(500) NOT NULL,
  `iv_jobapplyid` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `hireme_interview`
--

INSERT INTO `hireme_interview` (`iv_id`, `iv_date`, `iv_time`, `iv_type`,
`iv_place`, `iv_platform`, `iv_contact`, `iv_link`, `iv_notes`, `iv_jobapplyid`)
VALUES
(38, '2021-08-26', '18:04', 'Physical', 'test', "", "", "", '13'),
(39, '2021-08-26', '02:11', 'Physical', 'dasds', "", "", "", '14');

```

```

-----

--
-- Table structure for table `hireme_job`
--

CREATE TABLE `hireme_job` (
  `job_id` varchar(255) NOT NULL,
  `job_title` varchar(150) NOT NULL,
  `job_desc` blob NOT NULL,
  `job_role` varchar(150) NOT NULL,
  `job_position` varchar(150) NOT NULL,
  `job_yearexp` varchar(50) NOT NULL,
  `job_category` varchar(255) NOT NULL,
  `job_loc` varchar(150) NOT NULL,
  `job_minsalary` double(255,2) NOT NULL,
  `job_maxsalary` double(255,2) NOT NULL,
  `job_saveddate` date DEFAULT NULL,
  `job_publishdate` date DEFAULT NULL,
  `job_status` varchar(150) NOT NULL,
  `company_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_job`
--

INSERT INTO `hireme_job` (`job_id`, `job_title`, `job_desc`, `job_role`,
`job_position`, `job_yearexp`, `job_category`, `job_loc`, `job_minsalary`,
`job_maxsalary`, `job_saveddate`, `job_publishdate`, `job_status`, `company_id`)
VALUES
('ea97500b-0505-11ec-a760-dcf505ca785c', 'Accounts Officer',
0x50476730506b7076596942496157646f62476c6e6148527a5043396f4e4434386
344346d626d4a7a634473384c33412b5048412b5533566963326c6b615746796553
42765a694250536b6b67554746775a584967536d4677595734675a334a766458416
764473867644746725a5342356233567949474e68636d566c63694230627942306
1475567626d5634644342735a585a6c6243426964585167626d39304947646c6448
5270626d6367595735356432686c636d552f49474a6c5a5734675932397564484a7

```


0596e56306157356e49474567624739304948527649486c7664584967593239746
3474675655342355a5851675a6d566c62434231626d526c636e42686157512f5043
3977506a786f4e44354b623249675247567a59334a7063485270623234384c32673
0506a7877506a787a64484a76626d632b556d567a63473975596d6c73615852705a
584d365043397a64484a76626d632b50433977506a78316244343862476b2b5533
56775a584a3261584e6c494746755a4342795a585a705a586367515649675957356
b49454651494752686157783549486476636d73384c327870506a7873615435515
a584a6d62334a74494746736243423061475567625739756447687365534248544
3426c626e52796157567a49475a76636942515443416d595731774f794243557a77
7662476b2b50477870506b467a63326c7a64434270626942746232353061477835
49473168626d466e5a57316c626e516759574e6a6233567564484d6759327876633
26c755a794268626d5167636d567762334a306157356e504339736154343862476b
2b5433526f5a584a7a4947466b4c5768765979426863334e705a32316c626e51675
9584e7a615764755a575167596e6b67633356775a584a70623349675a6e4a766253
42306157316c4948527649485270625755384c327870506a77766457772b504841
2b50484e30636d39755a7a35535a58463161584a6c6257567564484d365043397a6
4484a76626d632b50433977506a78316244343862476b2b513246755a476c6b5958
526c49473131633351676347397a6332567a63794268644342735a57467a6443426
84945527063477876625745674c79424359574e6f5a577876636c776e637942455a
5764795a5755676157346751574e6a6233567564476c755a79776762334967636d5
6735958526c5a4342786457467361575a705932463061573975504339736154343
862476b2b54576c75615731316253417a49486c6c59584a7a4947396d4948647663
6d7470626d63675a5868775a584a705a57356a5a534270626942306147556761573
4676447686c49484a6c624746305a5751675a6d6c6c6247516761584d67636d5678
64576c795a5751675a6d39794948526f61584d676347397a61585270623234384c3
27870506a787361543551636d39325a5734675a5868775a584a705a57356a5a5342
68637942686269426859324e7664573530494756345a574e3164476c325a5342796
232786c504339736154343862476b2b56484a68626e4e7064476c766269426c6548
426c636d6c6c626d4e6c494746755a4339766369424e61574e7962334e765a6e516
75a486c755957317059334d67546b4657494756346347567961575675593255675
9584d675957526b5a57516759575232595735305957646c5043397361543438624
76b2b533235766432786c5a47646c4947396d4947466a59323931626e5270626d63
676332396d64486468636d55675958427762476c6a595852706232357a4c4342776
36d396d61574e705a57356a65534270626942696233526f4945317059334a766332
396d6444777662476b2b50477870506c4e30636d39755a7942305a574e6f626d6c6
a59577773494746755957783564476c6a595777675957356b4948427962324a735a
57306763323973646d6c755a79427a61326c7362484d384c327870506a787361543
542596d6c73615852354948527649473131624852704c585268633273675957356
b4947316c5a58516764476c6e614851675a4756685a477870626d567a4948647064
47676762576c75615731316253427a6458426c636e5a7063326c76626934384c327
870506a78736154355162334e7a5a584e7a49476476623251676432397961326c75
5a794268644852706448566b5a534268626d51676258567a644342695a534268494
7526c644746706247566b49473979615756756447566b4948426c636e4e76626942
336158526f494768705a326767615735305a5764796158523550433973615434384
c33567350673d3d, 'Full-Time', 'Senior Manager', 'Less than 1 year',
'Accounting/Finance', 'Melaka', 1200.00, 1500.00, NULL, '2021-08-25', 'Published',
'6122517fa522c'),
('ca12e15d-034e-11ec-b3ce-dcf505ca785c', 'Front-End Web Developer',
0x5048412b50484e30636d39755a7a354b62324967554856796347397a5a5477766
33352796232356e506a77766344343863443438596e492b5632556759584a6c4947

787662327470626d63675a6d3979494745675a486c755957317059797767636d56
7a623356795932566d645777675957356b49474674596d6c306157393163794247
636d397564434246626d51674b456855545577704945526c646d56736233426c63
6942306279427162326c75494739316369426d59584e304947647962336470626d
636764475668625334675647686c49484e3159324e6c63334e6d645777675932467
55a476c6b5958526c4948647062477767596d5567636d567a6347397563326c6962
4755676447386d626d4a7a634473675a4756325a577876634755675346524e54437
76764323979617942336158526f4947526c63326c6e626d6c755a7942305a574674
4948527649476868646d556763484a765a6d5a6c63334e706232356862434256535
339565743426c6548426c636d6c6c626d4e6c494746755a43426a636d5668644755
67625739696157786c49484a6c63334276626e4e70646d55676432566963326c305
a53346d626d4a7a634473384c33412b5048412b50484e30636d39755a7a354c5a58
6b6759584a6c59584d6762325967636d567a6347397563326c696157787064486b3
84c334e30636d39755a7a34384c33412b50485673506a787361543544636d566864
4755676432566963326c305a53427359586c766458517664584e6c63694270626e5
26c636d5a6859325567596e6b6764584e70626d636763335268626d5268636d5167
5346524e5443394455314d675957356b49474a766233527a64484a6863434277636
d466a64476c6a5a584d73504339736154343862476b2b51334a6c59585270623234
67623259675a476c6e61585268624342745a5752705953426863334e6c64484d676
2476c725a5342335a574a7a6158526c6379776762576c6a636d397a6158526c6379
7767615735305a584a6859335270646d5567596d4675626d567963797767625739
696157786c49484a6c63334276626e4e70646d556d626d4a7a63447367643256696
3326c305a54777662476b2b50477870506c56755a47567963335268626d51675a47
6c6e61585268624342745a5752705953426b5a584e705a32346763484a70626d4e7
06347786c6379776756556b675957356b49465659494746755a434269636d46706
26e4e3062334a74494852765a3256306147567949486470644767675a47567a6157
64755a584a7a4947397549474a6c6333516763484a68593352705932567a4947467
55a434268634842796232466a6144777662476b2b50477870506c4a6c5932397462
5756755a43776761573177624756745a573530494746755a434274595735685a325
5675130315449486470644767675933567a64473974494546755957783564476c6
a6379424b59585a6855324e796158423049486470644767675130315449474a6863
32566b4948646c596e4e706447556762476c725a53425862334a6b55484a6c63334
d384c327870506a78736154354764577873655342305a584e30494746755a434252
517942686247776764323979617942306279426c626e4e31636d55676158516761
584d67633356706447466962486b6763484a6c634746795a5751675a6d397949484
2795a584e6c626e526864476c7662694269655342306147556763484a76616d566a
64434274595735685a3256794948527649474e73615756756444777662476b2b50
477870506c647062477870626d6367644738676348563049475a76636e6468636d
51676157526c59584d675957356b49476868646d5567595342725a575675494756
355a53426d623349675a47563059576c7363793467545746725a53427a64584a6c4
948526f595851675957787349486476636d736763484a765a48566a5a5751676158
4d67644738675953427a64576c3059574a736553426f6157646f49484e305957356
b59584a6b494746755a4342336158526f61573467596e4a68626d51675a3356705a
4756736157356c63794268626d51676333426c59326c6d61574e6864476c76626e4
d75504339736154343862476b2b554756795a6d3979625342766447686c6369426
85a43316f62324d676447467a61334d764947523164476c6c6379426863334e705a
32356c5a4342696553423061475567633356775a584a7062334a7a4c323168626d4
66e5a57316c626e516759584d67636d567864576c795a5751375043397361543438
62476b2b52476c685a3235766332556761584e7a6457567a49486470644767675a5
8687063335270626d63676347786864475a76636d3067593239755a6d6c6e64584a

6864476c76626e4d675957356b494852685a334d73494746755a434277636d39326
 157526c49484a6c59323974625756755a474630615739756379426d623349676157
 3177636d39325a57316c626e51384c327870506a7873615435455a585a6c6247397
 74c43426a64584e3062323170656d5573494746755a434230636d3931596d786c63
 326876623351675957356862486c3061574e7a49474e765a4755676157346759323
 9746347786c6543426c626e5a70636d39756257567564484d6764326c3061434230
 6147556761475668646e6b6764584e6c4947396d49457068646d465459334a70634
 851734945685554557773494746755a43424455314d384c327870506a787361543
 5455a585a6c6247397749484a6c6347397964476c755a79426b5958526849477868
 6557567963794268626d516764584e70626d636759323975644756346443426b59
 58526849485a68636d6c68596d786c63794270626942335a574974596d467a5a575
 167536d463259564e6a636d6c776443425559576367545746755957646c62575675
 64434270625842735a57316c626e526864476c76626e4d384c327870506a7873615
 43551636d39325a573467613235766432786c5a47646c4947396d49457068646d46
 5459334a70634851675957356b49474675494856755a47567963335268626d5270
 626d63676232596763473977645778686369427361574a7959584a705a584d6759
 57356b49475a795957316c6432397961334d384c327870506a7873615435455a574
 a315a79776764484a7664574a735a584e6f623239304c434268626d51675a6d6c34
 4948526f5a53426a6232356d61576431636d463061573975494746755a434270626
 e526c5a334a6864476c766269427063334e315a584d676432687062475567643239
 7961326c755a794270626942305957356b5a57306764326c3061434270626e526c6
 36d3568624342305a574e6f4948526c595730675957356b4947563464475679626d
 46734947316c5a476c684947466e5a57356a6157567a4c6a777662476b2b5047787
 0506c4268636e52755a58496764326c3061434230614755675a476c6e6158526862
 434268626d516759334a6c59585270646d55676447566862584d67623234676257
 5668633356795a57316c626e516759574e7962334e7a49474e316333527662576c3
 65a57516763326c305a53426c6548426c636d6c6c626d4e6c637a777662476b2b50
 477870506b5675633356795a53423061475567615735305a576479615852354947
 46755a43426859324e31636d466a655342765a69424856453067596e6b675932397
 564476c756457467362486b676257397561585276636d6c755a7942305957647a4c
 4342696233526f49473168626e566862477835494746755a4342336158526f49474
 631644739745958526c5a43423062323973637a777662476b2b504339316244343
 863443438633352796232356e506c4631595778705a6d6c6a595852706232357a49
 4746755a4342466548426c636d6c6c626d4e6c5043397a64484a76626d632b50433
 977506a78316244343862476b2b523239765a43426a62323174645735705932463
 06157397549484e7261577873637977676347397a61585270646d5567644756686
 2534268644852706448566b5a54777662476b2b50477870506b466962475567644
 7386764484a7664574a735a584e6f62323930494746755a4342795a584e7662485a
 6c494842796232706c59335167636d56735958526c5a43427063334e315a584d384
 c327870506a787361543542596d786c4948527649473168626d466e5a5342306157
 316c494746755a434277636d6c76636d6c306158706c49473131624852706347786
 c494852686332747a49486470644767675a586830636d56745a5342686448526c62
 6e527062323467644738675a47563059576c734c4342706269426849475a6863335
 1746347466a5a5751675a57353261584a76626d316c626e516759584a6c4947356c
 5a57526c5a4334384c327870506a7873615435445a584a3061575a7059324630615
 7397549476c7549456476623264735a534242626d46736558527059334d7349456
 476623264735a53425559576367545746755957646c636942336157787349474e7
 6626e4e705a4756795a5751675957526b5a57516d626d4a7a634473675957523259
 5735305957646c50433973615434384c335673506a7877506a787a64484a76626d6
 32b533235766432786c5a47646c4c43425461326c7362484d675957356b49454630

64484a70596e56305a584d384c334e30636d39755a7a34384c33412b50485673506
a78736154354959585a6c49477475623364735a57526e5a53416d595731774f7942
6c6548426c636d6c6c626d4e6c4947396d49454e545579386f57436c495645314d5
0485673506a7873615435495645314d4c4342495645314d4e53776751314e544c43
424455314d7a4c43424455314d676257566b615745676358566c636d6c6c6379776
7536d463259584e6a636d6c7764437767616c46315a584a354c434277636d396d5a
584e7a6157397559577774624756325a577767614746755a43426a6232526c5a434
2495645314d494746755a43424455314d67633274706247787a4c4342686247397
55a7942336158526f4948526f5a534268596d6c7361585235494852764947686862
6d51675932396b5a53426d636d39744946426f62335276633268766343427462324
e724c585677637a777662476b2b50433931624434384c327870506a787361543546
6548426c636d6c6c626d4e6c49476c754947526c646d567362334270626d6367643
2566963326c305a584d6764584e70626d6367513031544943685862334a6b63484a
6c63334d73494570766232317359536b384c327870506a78736154354359584e705
9794272626d39336247566b5a32556762325967554568514c43424e65564e525443
426b59585268596d467a5a534270637942684948427364584d384c327870506a787
3615435466548426c636d6c6c626d4e6c49476c754947526c646d56736233427062
6d6367636d567a6347397563326c325a53426a636d397a63793177624746305a6d3
979625342495645314d494842685a32567a504339736154343862476b2b5258687
75a584a705a57356a5a5342706269424455314d675a6e4a686257563362334a7249
484e315932676759584d67516d397664484e30636d4677494746755a4342476233
56755a474630615739754b7942355a574679632b4b416d53426f5957356b6379317
66269316c6548426c636d6c6c626d4e6c49476c7549456476623264735a53424262
6d46736558527059334d7349456476623264735a53425559576367545746755957
646c636942336158526f49457068646d465459334a70634851674b474e795a57463
06157356e494756325a5735306379416d595731774f794230636d6c6e5a32567963
796b6761584d67636d567864576c795a5751754d53736765575668636e5069674a6
b675a5868775a584a705a57356a5a534270626e526c5a334a6864476c755a794233
5a5749675957356862486c3061574e7a49486470644767676257467961325630615
7356e494746316447397459585270623234676347786864475a76636d317a49484e
315932676759584d67545746796132563062797767553246735a584e6d62334a6a5
a537767554746795a4739304c4342546147467963484e77636d6c755a7977675348
56696333427664436b7349454576516942305a584e306157356e49485276623278
7a494746755a4342795a584276636e5270626d63676347786864475a76636d317a4
c6a777662476b2b50477870506b46696157787064486b676447386764323979617
94270626d526c634756755a475675644778354c434276636d6468626d6c365a5751
734947526c634756755a474669624755675957356b4947526c6447467062434276
636d6c6c626e526c5a44777662476b2b50477870506c526c5957306763477868655
7567949486470644767675953426a623239775a584a6864476c325a53427a63476c
79615851384c327870506a78736154355264576c6a617942735a574679626d56794
c43426c5a6d5a7059326c6c626e51675957356b494768705a326767633256756332
55676232596764584a6e5a57356a6554777662476b2b50477870506b46696247556
76447386764323979617942335a577873494856755a475679494842795a584e7a64
584a6c50433973615434384c33567350673d3d, 'Full-Time', 'Manager', 'More than
3 years', 'Services', 'Selangor', 4000.00, 6000.00, '2021-08-25', '2021-08-22',
'Published', '6122517fa522c');

```
--
-- Table structure for table `hireme_jobapply`
--

CREATE TABLE `hireme_jobapply` (
  `jobapply_id` int(11) NOT NULL,
  `jobapply_candreview` text NOT NULL,
  `jobapply_applydate` varchar(255) NOT NULL,
  `jobapply_status` varchar(255) NOT NULL,
  `candidate_id` varchar(250) NOT NULL,
  `job_id` varchar(250) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_jobapply`
--

INSERT INTO `hireme_jobapply` (`jobapply_id`, `jobapply_candreview`,
`jobapply_applydate`, `jobapply_status`, `candidate_id`, `job_id`) VALUES
(14, '', '25/08/2021 02:06:01 am', 'REJECTED', '781068e2-034c-11ec-b3ce-dcf505ca785c', 'ea97500b-0505-11ec-a760-dcf505ca785c'),
(13, '', '24/08/2021 11:25:46 pm', 'APPROVED', '781068e2-034c-11ec-b3ce-dcf505ca785c', 'ca12e15d-034e-11ec-b3ce-dcf505ca785c');

-----

--
-- Table structure for table `hireme_langcan`
--

CREATE TABLE `hireme_langcan` (
  `langcan_id` int(255) NOT NULL,
  `langcan_language` varchar(200) NOT NULL,
  `langcan_spoken` int(150) NOT NULL,
  `langcan_written` int(150) NOT NULL,
```

```

`langcan_primary` tinyint(1) NOT NULL,
`candidate_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_langcan`
--

INSERT INTO `hireme_langcan` (`langcan_id`, `langcan_language`,
`langcan_spoken`, `langcan_written`, `langcan_primary`, `candidate_id`) VALUES
(2, 'English', 5, 4, 0, '781068e2-034c-11ec-b3ce-dcf505ca785c');

-----

--
-- Table structure for table `hireme_skillcan`
--

CREATE TABLE `hireme_skillcan` (
  `skillcan_id` int(255) NOT NULL,
  `skillcan_skill` varchar(200) NOT NULL,
  `skillcan_proficiency` varchar(200) NOT NULL,
  `candidate_id` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_skillcan`
--

INSERT INTO `hireme_skillcan` (`skillcan_id`, `skillcan_skill`,
`skillcan_proficiency`, `candidate_id`) VALUES
(6, 'C++', 'Advanced', '781068e2-034c-11ec-b3ce-dcf505ca785c');

-----

```

```

--
-- Table structure for table `hireme_user`
--

CREATE TABLE `hireme_user` (
  `user_id` varchar(255) NOT NULL,
  `user_email` varchar(150) NOT NULL,
  `user_pass` varchar(150) NOT NULL,
  `user_role` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `hireme_user`
--

INSERT INTO `hireme_user` (`user_id`, `user_email`, `user_pass`, `user_role`)
VALUES
('781068e2-034c-11ec-b3ce-dcf505ca785c', 'aliffiqmal.my@gmail.com',
'e10adc3949ba59abbe56e057f20f883e', 'CANDIDATE'),
('6122517fa522c', 'candidate.fizie@gmail.com',
'0c2bc8fba6bc9b456bfc9b541a45e1f01', 'COMPANY'),
('6123e3423b4d5', 'admin1@gmail.com', '202cb962ac59075b964b07152d234b70',
'Admin'),
('61267083547c0', 'admin.2@gmail.com', '202cb962ac59075b964b07152d234b70',
'Super Admin'),
('83e688e6-08b5-11ec-a430-dcf505ca785c', 'aliffiqmal45.my@gmail.com',
'202cb962ac59075b964b07152d234b70', 'CANDIDATE');

--
-- Indexes for dumped tables
--

--
-- Indexes for table `hireme_addcom`
--

ALTER TABLE `hireme_addcom`
  ADD PRIMARY KEY (`addcom_id`),

```

```
ADD UNIQUE KEY `addcom_regno` (`addcom_regno`);
```

```
--
```

```
-- Indexes for table `hireme_admin`
```

```
--
```

```
ALTER TABLE `hireme_admin`
```

```
ADD PRIMARY KEY (`admin_id`);
```

```
--
```

```
-- Indexes for table `hireme_bookmark`
```

```
--
```

```
ALTER TABLE `hireme_bookmark`
```

```
ADD PRIMARY KEY (`bookmark_id`);
```

```
--
```

```
-- Indexes for table `hireme_candidate`
```

```
--
```

```
ALTER TABLE `hireme_candidate`
```

```
ADD PRIMARY KEY (`candidate_id`);
```

```
--
```

```
-- Indexes for table `hireme_company`
```

```
--
```

```
ALTER TABLE `hireme_company`
```

```
ADD PRIMARY KEY (`company_id`);
```

```
--
```

```
-- Indexes for table `hireme_educan`
```

```
--
```

```
ALTER TABLE `hireme_educan`
```

```
ADD PRIMARY KEY (`educan_id`);
```

```
--
```

```
-- Indexes for table `hireme_expcan`
```

```
--
```



```
ALTER TABLE `hireme_expcan`
  ADD PRIMARY KEY (`expcan_id`);
```

```
--
```

```
-- Indexes for table `hireme_interview`
```

```
--
```

```
ALTER TABLE `hireme_interview`
  ADD PRIMARY KEY (`iv_id`);
```

```
--
```

```
-- Indexes for table `hireme_job`
```

```
--
```

```
ALTER TABLE `hireme_job`
  ADD PRIMARY KEY (`job_id`);
```

```
--
```

```
-- Indexes for table `hireme_jobapply`
```

```
--
```

```
ALTER TABLE `hireme_jobapply`
  ADD PRIMARY KEY (`jobapply_id`);
```

```
--
```

```
-- Indexes for table `hireme_langcan`
```

```
--
```

```
ALTER TABLE `hireme_langcan`
  ADD PRIMARY KEY (`langcan_id`);
```

```
--
```

```
-- Indexes for table `hireme_skillcan`
```

```
--
```

```
ALTER TABLE `hireme_skillcan`
  ADD PRIMARY KEY (`skillcan_id`);
```

```
--
```

```
-- Indexes for table `hireme_user`
```

```
--  
ALTER TABLE `hireme_user`  
  ADD PRIMARY KEY (`user_id`);  
  
--  
-- AUTO_INCREMENT for dumped tables  
--  
--  
--  
-- AUTO_INCREMENT for table `hireme_addcom`  
--  
ALTER TABLE `hireme_addcom`  
  MODIFY `addcom_id` int(255) NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=96;  
  
--  
-- AUTO_INCREMENT for table `hireme_bookmark`  
--  
ALTER TABLE `hireme_bookmark`  
  MODIFY `bookmark_id` int(255) NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=4;  
  
--  
-- AUTO_INCREMENT for table `hireme_educan`  
--  
ALTER TABLE `hireme_educan`  
  MODIFY `educan_id` int(255) NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=8;  
  
--  
-- AUTO_INCREMENT for table `hireme_expcan`  
--  
ALTER TABLE `hireme_expcan`  
  MODIFY `expcan_id` int(255) NOT NULL AUTO_INCREMENT,  
  AUTO_INCREMENT=35;
```

```

--
-- AUTO_INCREMENT for table `hireme_interview`
--
ALTER TABLE `hireme_interview`
  MODIFY `iv_id` int(99) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=40;

--
-- AUTO_INCREMENT for table `hireme_jobapply`
--
ALTER TABLE `hireme_jobapply`
  MODIFY `jobapply_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=15;

--
-- AUTO_INCREMENT for table `hireme_langcan`
--
ALTER TABLE `hireme_langcan`
  MODIFY `langcan_id` int(255) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=3;

--
-- AUTO_INCREMENT for table `hireme_skillcan`
--
ALTER TABLE `hireme_skillcan`
  MODIFY `skillcan_id` int(255) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=7;
COMMIT;

```

4.4 Conclusion

By the end of this chapter, I may conclude that the process of developing a single system or software project required a lot of analysis activity in order to ensure that the development is according to the certain compliances such as project requirement and many more. The guidance in form of entity relational diagram and unified modelling language diagram are necessary to deliver accurate output of the development.

CHAPTER 5: IMPLEMENTATION

5.1 Introduction

According to the prior planning of list of activity in the development plan, the next stage needs to go through is implementation stage. This stage of development is the most essential to determine that the development is according to the requirement list and other compliances. This stage elaborates and explain about the setting of system production and development, the dataflow of databases, the state and system configuration.

The initial purpose of executing these stages is to ensure that the system development meets all the requirement and follow the necessity of used compliances. The part of the system will be evaluated to ensure the development will follow the business and design requirement.

By the end of this stage, a complete system of HireMe! will be produced. The stage will subsequently detect and fix any related errors that may occurred and detected during the diagnosis activity.

5.2 Software Development Environment Setup

Environment setups define the “in real life” true scheme of system configuration. To give a clear interpretation of how the environment setup of Hireme! works, an illustration above will simply give an idea of the overall concept.

5.3 Software Configuration Management

As mentioned above, the software configuration management involve two major cluster whereby consist of configuration set up and another one is version control procedure which will be discuss further in this subtopic.

- a) Before we go any further, we must understand about the significant information regarding web server networking. A web server is a computer software and underlying hardware that accepts requests via HTTP, the network protocol created to distribute web pages. All the requests will be responded by the server. The server will respond based on the content of one resource or will show an error message if the server cannot understand the request.
- b) Besides networking, HireMe! system also implemented the usage of integrated development environment software to develop the PHP code, CSS code and SQL query. The integrated development environment software used in the development is Sublime.

- c) As mentioned above, the required sources and material for both elements are as stated below.

Table 5-1: Sources for HireMe!

No.	Sources
1.	Installation library (folder) for Sublime C:\Program Files (x86)\Sublime Text
2.	Installation library (folder) XAMPP C:\xampp

5.3.1 Configuration Environment Setup

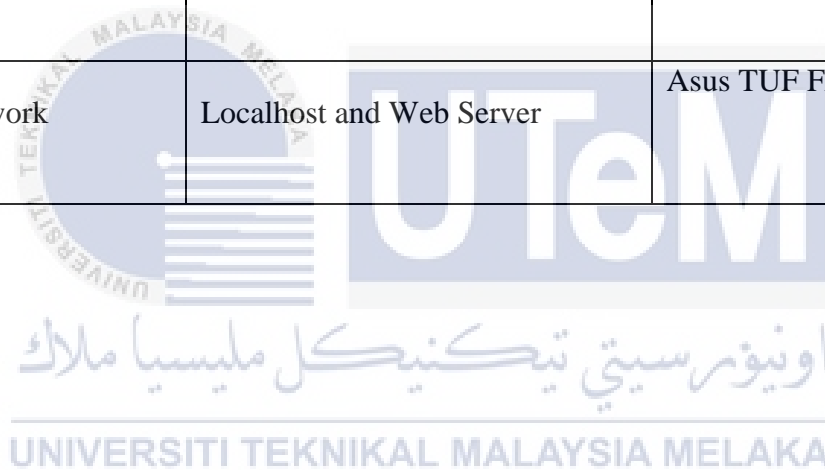
During the execution of this stage, the software that being fully utilized is XAMPP and Hostinger. This software or application are strictly required to get an access to the phpmyadmin. XAMPP are an open-sources cross platform web server which are essentially required to get the accessibility on configuring databases. Hostinger is a web hosting server that offers excellent uptime and customer service with a mix of traditional and cloud-based hosting. The system is established for three main user which already introduced in the user scope which may be classified as admin tier or candidate tier or company tier.

With this three major tier in the system, all tiers were developed using same platform which is sublime open sources application and used localhost access through the XAMPP application and once the system is complete it will be uploaded to the web server to measures the capability. On the other hand, in terms of compatibility, compatibility for all tiers is not specified which is the development process consider

the compatibility support for the devices about to access the system is at the maximum compatibility level.

Table 5-2: Software and Hardware for HireMe!

Node	Software	Hardware
Server	XAMPP and Hostinger	Asus TUF FX505D Asus power adapter Database name : hireme
Client	Processor: Window 10 Internet browser: Google Chrome	Asus TUF FX505D Laptop
Network	Localhost and Web Server	Asus TUF FX505D



5.4 Implementation Status

Development of Hireme! system followed the timeline of the capstone accurately and the implementation status below display the evidence that the development is following the initial plan precisely.

Table 5-3: Initial Planning for HireMe!

Module	Description	Duration
Login	This module consists of two different logins. The first one is for the public which is the company and the candidate. Login option will be a popup. The other one will be the admin login. The webpage of login will be shown here.	7 days
Register Candidate	New candidate will be asked to register before they can apply the job. Thus, one new webpage will be shown for the new candidate to register	6 days
Register Company	New company who is interested in posting their jobs will be given a webpage for them to fill. They will have to wait until the admin approved their company.	7 days

Register admin	Admin have the accessibility to register new admin if new staff of the Hireme! need new access into the system. The registration page consist of few input field with different type to insert admin data such as full name, organization of the admin, and other required information.	7 days
UDE Admin	UDE is update delete edit module whereby this page allow admin to edit delete or update the existed information regarding admin in the system.	1 days
UDE Job	UDE is update delete edit module whereby this page allow company to edit delete or update the existed job in the system.	1 days
UDE Profile	UDE is update delete edit module whereby this page allow the candidate to edit delete and update their private information for resume that soon will be accessible to the company	7 days

Administration operation	Administration operation page consist of few button with different directory. Each button will send user to different page respectively.	5 days
Log out	Single button to divert the page to the login page and reset the previous user system session.	½ days



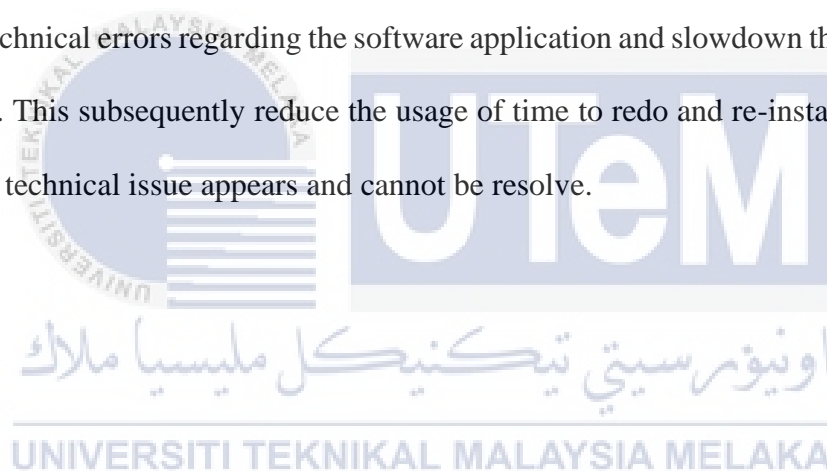
اونيورسيتي تيكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

5.5 Conclusion

Implementation stage or phase are essential and very crucial to ensure the development of Hireme! successful. The systematic procedure of establishing the system environment setup and versioning control ensure the system being developed accurately according to the requirement especially the time range and the result during the end of the development. The implementation stage intended to be highlighted as the most pungent operation due to the number of possible risks that may divert the attention and focus of development process.

Correct procedure of installation and configuration helps the project to avoid any technical errors regarding the software application and slowdown the development speed. This subsequently reduce the usage of time to redo and re-install any software if any technical issue appears and cannot be resolve.



CHAPTER 6: TESTING

6.1 Introduction

Development of any project will require a testing process or phase whereby the developed project need to go through some evaluation process of testing to ensure the development is according to the initial plan and follow the specific compliances. The testing process will be conducted in multiple stages where the testing will identify any deficiency in the system source code such as bugs and error. The testing procedure will continue simultaneously with fixing process in case any error has been detected.

The process of testing in information technology specifically for system development called software testing. This testing operation are essential to determine either the project is complete, accurate and precise according to the requirement. Deficiency in system development is normal due to the error that might have occurred at the process of developing the system. To reduce the risk of program error, testing operation will counter the most possibility of error occurrences.

Initial purpose of running testing processes on Hireme! is to ensure all the functionalities in the system is running without any flaws and deficiency. Other than that, the testing will evaluate the software quality before the system available for public usage. There are multiple type of testing that took place during this stage such as test plan, test strategy and test schedule. All testing verdict and result will be recorded for reference purposes. The recorded result will also be use as the indicator to fix any error that has occurred.

6.2 Test Plan

Test plan may be defined as a complete detailed document specifying the objective, resources, and processes involved in a specific testing for hardware and software product. Test plan generally known as a paper used during experimentation of testing process to collect data regarding the testing result, appropriate background data or assets. Testing that ended successful may improve precision of testing directly or indirectly. The operation involve during this procedure is sample testing, organizing test and timeline of test.



6.2.1 Test Organization

The test organization will highlight and define the respective person involved in the testing phase of Hireme!. During the testing procedure, four main testing method will be utilized which is unit testing, integration testing, system testing and user acceptance testing. The testing method mentioned above will be executed by different person so that bias evaluation can be prevent. However, due to the Covid-19 pandemic, most of the testing such as unit testing, integration testing and system testing will be done personally. As Hireme! has its own server, user acceptance testing will be done virtually by the existing company and a real-life fresh graduate. The testing operation will be conducted by the person in the table below.

Type of Testing	Responsible Person
Unit testing	Muhammad Aliff Iqmal Bin Othman
Integration testing	
System testing	
User acceptance testing	<p>Company Side: Syed Muhammad Bassuny E'imran Bin Syed Shazali Human Resource Department at Naquib Enterprise.</p> <p>Candidate Side: Muhammad Syafiq Bin Mohamed Hanafi Fresh Graduates from Politeknik Balik Pulau.</p> <p>Admin: Muhammad Aliff Iqmal Bin Othman Founder and Developer of Hireme!</p>

6.2.2 Test Environment

Test environment is a particular procedure that will evaluate and test the system environment. The testing field include testing upon equipment, software, and network of the system. The environment testing is essential to be performed for the developer to understand the real situation of client working environment and the system environment itself.

6.3 Test Schedule

Test schedule below will define the process flow of the testing procedure. Other information provided are test cycle, duration of the test and lastly date of the test phase.



Module	Test cycle	Duration	Start date	End date
Login module 1. Admin 2. Candidate 3. Company	4	1 day	7 August 2021	8 August 2021
Registration 1. Admin Registration Module 2. Candidate Registration Module 3. Company Registration Module	4	2 days	8 August 2021	10 August 2021
User Profile 1. Candidate 2. Company	4	2 days	10 August 2021	12 August 2021
Job Finder and Bookmark Module 1. Candidate (Create, Read, Delete, Search) 2. Company (Create, Read, Delete, Update Search)	4	4 days	12 August 2021	16 August 2021
Resume and CV Management Module 1. Candidate (Create, Read, Update, Delete)	5	5 days	16 August 2021	21 August 2021
Company Management Module 1. Admin (Read, Update, Delete)	4	5 days	21 August 2021	26 August 2021
Log out	4	1 days	26 August 2021	27 August 2021

6.4 Test Strategy

The strategy of how the test will be executed is important to reduce the complexity and difficulties. The correct and accurate technique or strategy need to be selected to ensure a positive and successful verdict. The strategy also needs to be practical and justified.

The example of high successful potential testing strategy is stated as below. The implementation of below strategy enhanced the chances of the testing to be accurate and precise.

a) White Box Testing

White Box Testing is derived from the information on the code, the program structure of HS and its usage. The tester mainly and developer normally can inspect the program code to test its component. This kind of testing is valuable in helping the tester and the developer to distinguish any mistakes during compose the program code.

b) Black Box Testing

Black box testing approach is useful as it centers around the testing useful prerequisite in the user acceptance test. This testing plan establish the Hireme! as a "black box". The information on the interior structure is not unequivocally utilized. In this stage, validation testing includes evaluating the plan or part during or during the execution stage to decide whether it met the given prerequisite.

6.4.1 Classes of Tests

Testing procedure that is available worldwide are uncountable. The advance technology leads the developer and expertise to design and create new testing technique. There are a lot of testing technique tester may choose. The testing approach used by the tester and the developer helps them to execute and perform the unit testing, integration testing, and system testing.

a) Unit Testing

This testing activity related to the project evaluated and reviewed by the designer to ensure the software project run properly according to the module's designer that has been produced.

b) Integration Testing

This testing activity initially performed to test all the functionality of the modules that has been integrated in the project. This testing also verifies the validity of the parameter and data between implementation schemes are correctly transferred with adequate coordination.

c) System Testing

The system testing mainly executed to verify the functionality of each project module or element and to determine if the system work properly. This testing is important for the system to be able to process required information correctly.

d) User Acceptance Testing

The testing activity above are the most commonly check by the developer and the tester to evaluate the acceptability and adaptability of the system. The testing ensures the development fulfil the company demand and followed the specific compliances.

6.5 Test Design

This procedure is submerged up to confirm the vital tests are record. If any error occurred throughout the testing, system developers will reproduce the precise sequence of events that became the reason it happened by touching on the test design. The test design is made up of test description and test data.

6.5.1 Test Description

The test will be divided into 3 different parts which are Unit Testing, Integration Testing and System Testing and will be test by three different user groups which are company, candidate, and admin.

Unit testing is a testing technique whereby the testing sections of an application, called units, are examined separately and independently for correct functioning.

Integration testing is a testing process that evaluate the combination and integration between modules. Integration testing relies heavily on the communication.

System Testing is executed to verify all of the scenario and program to work as expected. To verify either the efficiency of the item and the features work perfectly, entire program was evaluated one by one until the end of the scheme.

6.5.2 Test Data

Test will be conducted by three different parts and all of the test case will listed.

6.5.2.1 Unit Testing

1. Testing the validity of email address format

Table 6-1: Test Case for Validity Testing

Testing Mode	Test ID	Input	Expected Result
Positive	HMUT_1_1	aliffiqmal.my@gmail.com	Successful
	HMUT_1_2	B031810310@student.utem.my	
Negative	HMUT_1_3	aliff.com	Failed
	HMUT_1_4	aliffiqmal my@gmail.com	

2. Testing the length of phone number

The system is focusing on Malaysia; thus the format of phone number is from

0-12 number only.

Table 6-2: Test Case for Phone Number Testing

Testing Mode	Test ID	Input	Expected Result
Positive	HMUT_2_1	0172948054	Successful
	HMUT_2_2	0175955961	
Negative	HMUT_2_3	aliff.com	Failed
	HMUT_2_4	aliffiqmal my@gmail.com	

3. Testing the email availability for registration

Table 6-3: Test Case for Email Testing

Testing Mode	Test ID	Input	Expected Result
Positive	HMUT_3_1	aliffiqmal.my@gmail.com	Successful
	HMUT_3_2	admin.1@gmail.com	
Negative	HMUT_3_3	aliffiqmal.my@gmail.com (existed)	Failed
	HMUT_3_4	admin.1@gmail.com (existed)	

4. Testing the password length and style

Table 6-4: Test Case for Password Testing

Testing Mode	Test ID	Input	Expected Result
Positive	HMUT_4_1	xxaliffiqmalxx	Successful
	HMUT_4_2	aliffxxiqmal	
Negative	HMUT_4_3	aliffx iqmal	Failed
	HMUT_4_4	aliff-iqmal	

6.5.2.2 Integration Testing

- i. Test case for login

Table 6-5: Test Case for Login

Test ID	Test Case	Expected Result
HMIT_1_1	Login by leaving the email field blank	Show error message: please fill out this field
HMIT_1_2	Login by leaving the password field blank	Show error message: please fill out this field
HMIT_1_3	Login using invalid email or invalid password	Show error message: wrong username or password
HMIT_1_4	Login using correct company email and password	Company main page displayed.
HMIT_1_5	Login using correct candidate email and password	Candidate main page displayed.
HMIT_1_6	Login using correct admin email and password	Admin main page displayed.

ii. Test case for candidate registration

Table 6-6: Test Case for Candidate Registration

Test ID	Test Case	Expected Result
HMIT_2_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_2_2	Leave full name blank and click submit	Show error message: please fill out this field
HMIT_2_3	Leave email blank and click submit	Show error message: please fill out this field
HMIT_2_4	Leave password blank and click submit	Show error message: please fill out this field
HMIT_2_5	Leave retype password blank and click submit	Show error message: please fill out this field
HMIT_2_6	Enter invalid email format and click submit	Show error message: wrong email format

iii. Test case for company registration

Table 6-7: Test Case for Company Registration

Test ID	Test Case	Expected Result
HMIT_3_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_3_2	Leave company name blank and click submit	Show error message: please fill out this field
HMIT_3_3	Leave email blank and click submit	Show error message: please fill out this field
HMIT_3_4	Leave information blank and click submit	Show error message: please fill out this field
HMIT_3_5	Leave telephone number blank and click submit	Show error message: please fill out this field
HMIT_3_6	Leave website blank and click submit	Show error message: please fill out this field
HMIT_3_7	Leave register number blank and click submit	Show error message: please fill out this field
HMIT_3_8	Leave company size blank and click submit	Show error message: please fill out this field
HMIT_3_9	Leave average process to accept blank and click submit	Show error message: please fill out this field
HMIT_3_10	Leave industry blank and click submit	Show error message: please fill out this field
HMIT_3_11	Leave benefit blank and click submit	Show error message: please fill out this field

HMIT_3_12	Leave logo blank and click submit	Show error message: please fill out this field
HMIT_3_13	Enter invalid email format and click submit	Show error message: wrong email format

iv. Test case for admin registration

Table 6-8: iv. Test Case for Admin Registration

Test ID	Test Case	Expected Result
HMIT_4_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_4_2	Leave full name blank and click submit	Show error message: please fill out this field
HMIT_4_2	Leave IC number blank and click submit	Show error message: please fill out this field
HMIT_4_2	Leave contact number blank and click submit	Show error message: please fill out this field
HMIT_4_3	Leave email blank and click submit	Show error message: please fill out this field
HMIT_4_4	Leave password blank and click submit	Show error message: please fill out this field
HMIT_4_5	Leave retype password blank and click submit	Show error message: please fill out this field
HMIT_4_6	Enter invalid email format and click submit	Show error message: wrong email format

- v. Test case for updating company profile (Company)

Table 6-9: Test Case for Updating Company Profile

Test ID	Test Case	Expected Result
HMIT_5_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_5_2	Fill all field with valid information	User information updated.

- vi. Test case for Resume and CV Management

Table 6-10: Test Case for Resume and CV Management

Test ID	Test Case	Expected Result
HMIT_6_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_6_2	Fill all field with valid information	Resume updated

- vii. Test case for inserting new job

Table 6-11: Test Case of Inserting New Job

Test ID	Test Case	Expected Result
HMIT_7_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_7_2	Fill all field with valid information	New job created

HMIT_7_3	Fill minimum salary larger than maximum salary	Show error message: Maximum salary cannot be smaller than minimum salary.
----------	--	--



viii. Test case for updating job

Table 6-12: Test Case for Updating job

Test ID	Test Case	Expected Result
HMIT_8_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_8_2	Fill all field with valid information	Job information updated.

ix. Test case for updating password

Table 6-13: Test Case for Updating Password

Test ID	Test Case	Expected Result
HMIT_9_1	Leave every field blank and click submit	Show error message: please fill out this field
HMIT_9_2	Fill all field with valid information	Password updated.
HMIT_9_3	Fill wrong old password	Show error message: Old password did not match
HMIT_9_4	Fill mismatch password and retype password	Show error message: Password did not match

- x. Test case for company page function

Table 6-14: Test Case for Company Page Function

Test ID	Test Case	Expected Result
HMIT_10_1	Click on Dashboard in dropdown menu	List of jobs and company profile will be shown.
HMIT_10_2	Click on the desired job from the job list that has been highlighted in blue	Job description appeared.
HMIT_10_3	Click on “Edit Job” tab	Job description will be shown and can be edited
HMIT_10_4	Click on “Applicant” tab	Application from candidate will appear with the option to either proceed or reject.
HMIT_10_5	Click on the desire candidate name that has been highlighted in blue	Candidate resume will be shown.
HMIT_10_6	Click on Job in dropdown menu	List of jobs with the function of create, read, update and delete will be shown.
HMIT_10_7	Click on Profile in dropdown menu	Company profile will be shown detailly with the option to update.

HMIT_10_8	Click on Logout in dropdown menu	The company page diverted to the login page and session successfully destroyed
-----------	----------------------------------	--

- xi. Test case for candidate page function

Table 6-15: Test Case for Candidate Page Function

Test ID	Test Case	Expected Result
HMIT_11_1	Click on Dashboard in dropdown menu	List of applied, saved and offer jobs will be shown.
HMIT_11_2	Click on eye icon inside the table.	The description of the job will appear.
HMIT_11_3	Click on Home in dropdown menu	List of job will be appeared.
HMIT_11_4	Choose category or state or both and click search icon.	List of jobs will be appeared based on category and state that has been chose.
HMIT_11_5	Search for job names	List of jobs that have the same keyword that has been input will be shown.
HMIT_11_6	Click on the preferred jobs	Job description will be shown with the option to apply or to bookmark.

HMIT_11_7	Click “Apply” or “Bookmark” or both button.	Button will be disable once has been submitted.
HMIT_11_8	Click on Profile in dropdown menu	A generated resume will appear.
HMIT_11_9	Click on “Experience” tab.	A select option will appear and based on selection a form will be shown for user to fill.
HMIT_11_10	Click on “Education” tab.	A form of past education that need to be fill will appear.
HMIT_11_11	Click on “Skills” tab.	A form of skill that need to be fill will appear.
HMIT_11_12	Click on “Languages” tab.	A form of language that need to be fill will appear.
HMIT_11_13	Click on “Additional Info” tab.	An additional info will appear and there is button to edit.
HMIT_11_14	Click on “About Me” tab.	The about me information will appear and there is button to edit.
HMIT_11_15	Click on “Uploaded Resume” tab.	A manual of uploading a resume will appear and there is an option to send.

HMIT_11_16	Click on “Uploaded CV” tab.	A manual of uploading a CV will appear and there is an option to send.
HMIT_11_17	Click on Password in dropdown menu	A form of changing password will appear.
HMIT_11_18	Click on Logout in dropdown menu	The candidate page diverted to the login page and session successfully destroyed



xii. Test case for admin page function

Table 6-16: Test Case for Admin Page Function

Test ID	Test Case	Expected Result
HMIT_12_1	Click on Dashboard in dropdown menu	A summary of Job, Candidate and Company will be shown
HMIT_12_2	Click on Job List in dropdown menu.	A list of job will appeared and user can read.
HMIT_12_3	Click on Company in dropdown menu.	The list of company will appear and there is a function to read and delete.
HMIT_12_4	Click on “Request” tab.	A list of company who is requesting will appear here and user can read and approve or reject the application.
HMIT_12_5	Click on Admin in dropdown menu.	A list of admin will appear and user can view and delete.
HMIT_12_6	Click on “Register” tab.	A form to register new admin will appear.
HMIT_12_7	Click on Logout in dropdown menu	The company page diverted to the login page and session successfully destroyed



6.6 Test Results and Analysis

The test will be performed until testing process completely finished. The testing result were recorded to evaluate the performance of the system and the successful rate of the development.

Table 6-17: Test Result and Analysis

Test ID	Tester	Actual Result	Status
HMUT_1_1	Developer	System Accepted	Success
HMUT_1_2	Developer	System Accepted	Success
HMUT_1_3	Developer	Error Message: Invalid format.	Success
HMUT_1_4	Developer	Error Message: Invalid format.	Success
HMUT_2_1	Developer	System Accepted	Success
HMUT_2_2	Developer	System Accepted	Success
HMUT_2_3	Developer	Error Message: Invalid format.	Success
HMUT_2_4	Developer	Error Message: Invalid format.	Success
HMUT_3_1	Developer	System Accepted	Success
HMUT_3_2	Developer	System Accepted	Success
HMUT_3_3	Developer	Error Message: Email Existed	Success
HMUT_3_4	Developer	Error Message: Email Existed	Success
HMUT_4_1	Developer	System Accepted	Success
HMUT_4_2	Developer	System Accepted	Success
HMUT_4_3	Developer	Error Message: Invalid Format	Success
HMUT_4_4	Developer	Error Message:	Success

		Invalid Format	
HMIT_1_1	Developer, Candidate, Company	Error Message: please fill out this field	Success
HMIT_1_2	Developer, Candidate, Company	Error Message: please fill out this field	Success
HMIT_1_3	Developer, Candidate, Company	Error message: wrong username or password	Success
HMIT_1_4	Company	Company main page displayed.	Success
HMIT_1_5	Candidate	Candidate main page displayed.	Success
HMIT_1_6	Admin	Admin main page displayed.	Success
HMIT_2_1	Candidate	Error Message: please fill out this field	Success
HMIT_2_2	Candidate	Error Message: please fill out this field	Success
HMIT_2_3	Candidate	Error Message: please fill out this field	Success
HMIT_2_4	Candidate	Error Message: please fill out this field	Success
HMIT_2_5	Candidate	Error Message: please fill out this field	Success
HMIT_2_6	Candidate	Error Message: Wrong email format	Success
HMIT_3_1	Company	Error Message: please fill out this field	Success
HMIT_3_2	Company	Error Message: please fill out this field	Success
HMIT_3_3	Company	Error Message:	Success

		please fill out this field	
HMIT_3_4	Company	Error Message: please fill out this field	Success
HMIT_3_5	Company	Error Message: please fill out this field	Success
HMIT_3_6	Company	Error Message: please fill out this field	Success
HMIT_3_7	Company	Error Message: please fill out this field	Success
HMIT_3_8	Company	Error Message: please fill out this field	Success
HMIT_3_9	Company	Error Message: please fill out this field	Success
HMIT_3_10	Company	Error Message: please fill out this field	Success
HMIT_3_11	Company	Error Message: please fill out this field	Success
HMIT_3_12	Company	Error Message: please fill out this field	Success
HMIT_3_13	Company	Error Message: Wrong email format	Success
HMIT_4_1	Admin	Error Message: please fill out this field	Success
HMIT_4_2	Admin	Error Message: please fill out this field	Success
HMIT_4_3	Admin	Error Message: please fill out this field	Success
HMIT_4_4	Admin	Error Message: please fill out this field	Success
HMIT_4_5	Admin	Error Message: please fill out this field	Success

HMIT_4_6	Admin	Error Message: Wrong email format	Success
HMIT_5_1	Company	Error Message: please fill out this field	Success
HMIT_5_2	Company	User Information Updated	Success
HMIT_6_1	Candidate	Show error message: please fill out this field	Success
HMIT_6_2	Candidate	Resume updated	Success
HMIT_7_1	Company	Show error message: please fill out this field	Success
HMIT_7_2	Company	New job created	Success
HMIT_7_3	Company	Show error message: Maximum salary cannot be smaller than minimum salary.	Success
HMIT_8_1	Company	Error Message: please fill out this field	Success
HMIT_8_2	Company	Job information updated	Success
HMIT_9_1	Company, Candidate	Error Message: please fill out this field	Success
HMIT_9_2	Company, Candidate	Password updated	Success
HMIT_9_3	Company, Candidate	Error Message: Old password did not match	Success
HMIT_9_4	Company, Candidate	Password Update Password did not match	Success
HMIT_10_1	Company	List of jobs and company profile will be shown.	Success
HMIT_10_2	Company	Job description appeared.	Success
HMIT_10_3	Company	Job description will be shown and can be edited	Success

HMIT_10_4	Company	Application from candidate will appear with the option to either proceed or reject.	Success
HMIT_10_5	Company	Candidate resume will be shown.	Success
HMIT_10_6	Company	List of jobs with the function of create, read, update and delete will be shown.	Success
HMIT_10_7	Company	Company profile will be shown detailly with the option to update.	Success
HMIT_10_8	Company	The company page diverted to the login page and session successfully destroyed	Success
HMIT_11_1	Candidate	List of applied, saved and offer jobs will be shown.	Success
HMIT_11_2	Candidate	The description of the job will appear.	Success
HMIT_11_3	Candidate	List of job will be appeared.	Success
HMIT_11_4	Candidate	List of jobs will be appeared based on category and state that has been chose.	Success
HMIT_11_5	Candidate	List of jobs that have the same keyword that has been input will be shown.	Success
HMIT_11_6	Candidate	Job description will be shown with the option to apply or to bookmark.	Success
HMIT_11_7	Candidate	Button will be disable once has been submitted.	Success
HMIT_11_8	Candidate	A generated resume will appear.	Success

HMIT_11_9	Candidate	A select option will appear and based on selection a form will be shown for user to fill.	Success
HMIT_11_10	Candidate	A form of past education that need to be fill will appear.	Success
HMIT_11_11	Candidate	A form of skill that need to be fill will appear.	Success
HMIT_11_12	Candidate	A form of language that need to be fill will appear.	Success
HMIT_11_13	Candidate	An additional info will appear and there is button to edit.	Success
HMIT_11_14	Candidate	The about me information will appear and there is button to edit.	Success
HMIT_11_15	Candidate	A manual of uploading a resume will appear and there is an option to send.	Success
HMIT_11_16	Candidate	A manual of uploading a CV will appear and there is an option to send.	Success
HMIT_11_17	Candidate	A form of changing password will appear.	Success
HMIT_11_18	Candidate	The candidate page diverted to the login page and session successfully destroyed	Success
HMIT_12_1	Admin	A summary of Job, Candidate and Company will be shown	Success
HMIT_12_2	Admin	A list of job will appeared and user can read.	Success
HMIT_12_3	Admin	The list of company will appear and there is a function to read and delete.	Success

HMIT_12_4	Admin	A list of company who is requesting will appear here and user can read and approve or reject the application.	Success
HMIT_12_5	Admin	A list of admin will appear and user can view and delete.	Success
HMIT_12_6	Admin	A form to register new admin will appear.	Success
HMIT_12_7	Admin	The company page diverted to the login page and session successfully destroyed	Success

6.7 Conclusion

The execution of testing procedure is essential and important to evaluate the performance of the system and the successful of system development. This phase subsequently determines the potency of the project development and to ensure that the system is working properly without any deficiency before the process of handover procedure to the desired client. The system needs to be in its best condition before it can be deployed for more user to use.

The testing process were conducted precisely and in detail protocol and procedure to ensure the system work smoothly without any major and obvious deficiency before the system enforced in the real system environment. The measurement of the performances is according to the initial requirement and the specific compliances.

All the testing result were recorded systematically in a document for future references. The result will also help the developer to fix the deficiency and error in the system to enhance the performance of the system.



CHAPTER 7: PROJECT CONCLUSION

7.1 Observation on Weaknesses and Strengths

The development of Hireme! system has come to an end. Throughout the whole journey of development process and phases, all the performances, testing result and other information were documented. This documentation later was reviewed to evaluate and identify the strength and weaknesses of the system before the handover procedure with the stakeholder or initial client.

During the observation process, the weakness that can be highlighted is the system is developed based on Malaysia information. Basic information such as phone number, IC number and company registration number are following Malaysia format. Thus, company from outside of Malaysia cannot post their job availability for Malaysian people.

Next, the built-in resume generated by the system. For candidates, they are required to fill in the built-in resume for job purposes. This built-in resume cannot be altered and customize based on their preference. Thus, everyone resume will look the same and there will be no variation.

All the weaknesses stated previously somehow do not change the performances of the system. The system will still run smoothly without any difficulties due to the stated weaknesses.

The weakness somehow can be turn into a strength. For example, the built-in resume. To overcome the problem of similarity, there is option for them to upload their own customize resume. For those who did not know how to develop their own resume they can use the built-in resume to guide them.

All the systems that have been developed will have their strengths and weaknesses. However, if we know how to tackle them, the weaknesses will somehow become a strength and the reason why people are still using our system.

7.2 Propositions for Improvement

Although Hireme! were intended to be developed by using the localhost networking approach, the system can be host in any web hosting available online without having any difficulties. That somehow may increase the scalability and accessibility of the system.

As the world moving forward, I believe everyone would prefer an application to be in two forms, one is web application and the other one is mobile application. Mobile application for Hireme! will help the user to have a quick view on their current application. There are a lot of improvement that could be done if Hireme! comes with both web and mobile application.

7.3 Conclusion

As a conclusion, Hireme! were developed successfully according to all the required requirement and followed the initial planning and milestone without any constraints except on the limitation on meeting people to conduct a testing due to the movement control order cause by the Covid-19.



REFERENCES

- Gaur, A., & Chahar, M. K. (2020). Online Job Portal. *International Journal of Computer Science and Engineering*, 7(7), 22–25. <https://doi.org/10.14445/23488387/ijcse-v7i7p104>
- Jobs in Malaysia - Search Job Vacancies - Career / JobStreet.com.my*. (1997). Jobstreet. <https://www.jobstreet.com.my/>
- Jobs in Malaysia for Junior to Mid-Management Talent / Hiredly*. (2021, July 1). Hiredly. <https://my.hiredly.com/jobs>
- Monster Malaysia. (2020). *Jobs in Malaysia - Latest Job Vacancies - Job Search at*. <https://www.monster.com.my/>
- Parinsi, M. T., Palilingan, V. R., Kembuan, O., & Ratumbuisang, K. F. (2020). Job seeker information system using online web based and android mobile phones. *IOP Conference Series: Materials Science and Engineering*, 830, 022093. <https://doi.org/10.1088/1757-899x/830/2/022093>
- Yusuf, M. Y. (2020). Influence Of Recruitment System And Job Design On Competence And Employee Performance. *Asia Pacific Management and Business Application*, 009(02), 167–178. <https://doi.org/10.21776/ub.apmba.2020.009.02.7>