

EZ-RUNCIT

MUHAMMAD LUTFI HADI BIN RAHIMI



اونيورسيتي تيكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

UNIVERSITY TEKNIKAL MALAYSIA MELAKA

EZ-RUNCIT

MUHAMMAD LUTFI HADI BIN RAHIMI



FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY UNIVERSITI
TEKNIKAL MALAYSIA MELAKA

2021

DECLARATION

I hereby declare that this project report entitled

[EZ-RUNCIT]

is written by me and is my effort, and that no part has been plagiarized

without citations.

STUDENT

:


(MUHAMMAD LUTFI HADI BIN RAHIMI)

Date : 24/6/2021



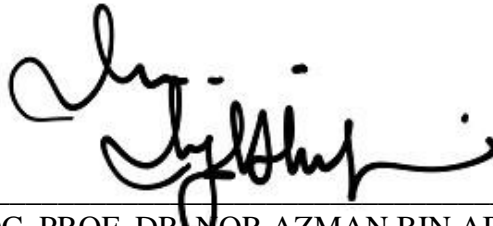
I hereby declare that I have read this project report and found

this project report is sufficient in terms of the scope and quality for the award of

Bachelor of [Computer Science (Information Security)] with Honours.

SUPERVISOR

:


(ASSOC. PROF. DR. NOR AZMAN BIN ABU)

Date : 30/6/2021

DEDICATION

This project is wholly dedicated to my beloved parents, who have been my parents—a source of inspiration and immense encouragement in values, faith, Emotional and caring.

To my brothers, friends, and classmates, and supervisor who always encourage me to do so.
Complete this study, and always be there for me.

Lastly, all praise and thanks to Allah for paving the way and guiding me in all I have done.



ACKNOWLEDGEMENTS

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Finally, I would like to thank the University of Technology Malaysia Melaka (UTeM), which provides a platform for the development and improvement of my computer science (security) skills, and not to forget the Faculty of Information Technology (FTMK), which has enhanced the talent of its students with its facilities.

ABSTRACT

The online framework permits clients to purchase or sell utilized things over the Internet. An individual can either be a merchant or client to play out the selling or purchasing cycle of utilized things when utilizing this site. Then, the disconnected business can't be worked from any place given the topographical limitations where the customary store has its particular area. An online framework dependent on a web-based business stage is created to give the vendor's thing data. This site allows a client to view and Purchase utilized things on the Web. In the meantime, it additionally permits vendors to sell specific important utilized things like design, contraptions, and sacks commendable on the lookout. This framework can go through with online exchanges among vender and purchasers appropriately in light of the test Outcome .



ABSTRAK

Rangka kerja dalam talian membenarkan pelanggan beli atau jual barang runcit melalui Internet. Individu boleh menjadi peniaga atau pelanggan. Semasa menggunakan laman web, mereka memainkan kitaran membeli dan menjual barang runcit. Masalah serius ketika menguruskan kedai biasa ialah biasanya menghadkan masa awal pelanggan mesti pergi ke kedai pada waktu kerja yang telah ditentukan. Oleh itu, kerana kedai adat mempunyai batasan kawasan di kawasan tertentu, mereka tidak dapat menjalankan perniagaan yang terputus di mana saja. Buat rangka dalam talian yang bergantung pada tahap perniagaan berasaskan laman web ini untuk menyediakan data produk penjual. Laman web ini membolehkan pelanggan melihat dan membeli barang runcit di Internet. Pada masa yang sama, ini juga membolehkan pembekal menjual barang keperluan tertentu. Kerangka kerja dapat menyampaikan komunikasi dalam talian dengan tepat antara penjual dan pembeli berdasarkan hasil ujian.



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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

A web application is a program that sudden spikes in demand for a PC with a web worker while its clients connect with it using an internet browser or comparative client specialist. Ez-Runcit is a webapp. All clients need is an internet browser. They sign in, make a record and purchase Things, make installments, and log out. Client orders exist in a data set on the worker, as does all the code to create pages. Online stages can be utilized to complete exchanging exercises.

It is necessary to ensure that the online line is carried out on a promised construction. Canonized persons staleness only live the passwords state used. Unauthorized way moldiness is denied through the use of a watchword system. If a group with bad intentions understands the group, they might struggle in shenanigans, Outcome ing in substantial losses. It may also blemish the quality of many online firms.

This web online business web use is additionally natural with a mercantilism entryway. If you're a trader and customer of Exteroception Defrayment Arrangements, you accept that an installment passage is a way its total and how it affects vendors all over humanity. Be that as it may, for those of you who are new to the tune of a defrayment entryway, this abstract, however instructive Section is coordinated to help you in the workforce the earth of resources charge trade handling.

A defrayal passage is an online business help that approves installments for various organizations, whether e-organizations, online retailers, or customary physical stores. It is equitable same an enthusiastic retail location station, as one would fill in most retail outlets. Trade doors secure excruciating Installment welcoming collection using essential coding, determined as accomplishment arrangement drawing, to guarantee that content is communicated securely from the customer to the financial specialist and the dealer to the defrayal processor.

1.2 PROBLEM STATEMENT (PS)

Nowadays, people are increasingly busy with their daily work so that the time to buy groceries is shorter because they don't want to be rush when shopping their Items even busy with their daily life. Besides that, retailers lack marketing their products compared to the supermarket. In the globalization era, the Leading Cause of the people is less to move to some places to compare the price of groceries items.

The want of becoming marketing congener to the product is connate both to set quality and the ability of the fluid or company to wage quantity to consumers based on their interests, needs, and preferences. If you gestate something just but valuable, you have no way to set whether Someone added is commerce it at a minimum price time at the fund.

On the remaining crewman, in online shopping, you can collect all the messages regarding the prices and individualized reasons for not wanting to go unique shopping, or there are interoperable issues in traveling to a retail fund or not having enough minutes to go shopping. Some it is, no one can control the country gained by the consumers to work online. It is undoubtedly an empowering and liberating intuition for an online shopper, and it is here to strip for somebody abstraction.

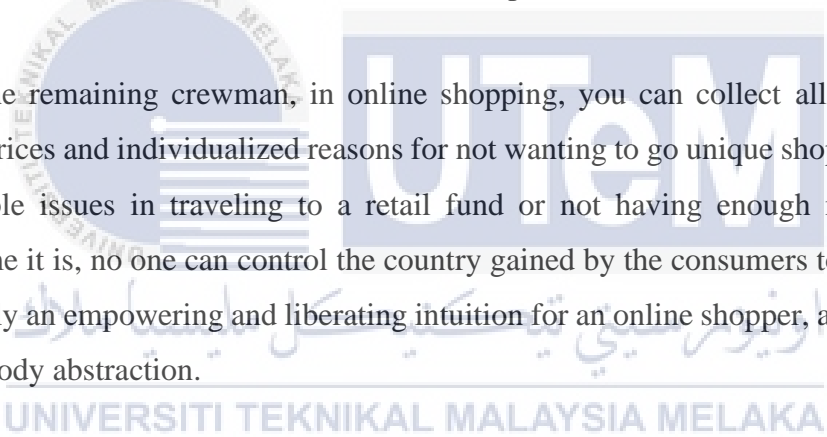


Table 1 Summary of Problem Statement

PS	Problem Statement
PS1	Most grocery stores do not have a platform to promote goods online.
PS2	Customer afraid to leak the information data
PS3	Consumers are now more prefer using online payments

1.3 PROJECT QUESTION (PQ)

This project question refers to the problem statement found in this research. The questions raised are more about wanting to get an understanding of the project. In this project, three project questions need to be answered.

- 1) The method used to create a platform to promote goods online.
- 2) What encoding system to the secured user database
- 3) The method to secure online Payment.

Table 2 Summary of Project Question

Project Statement	Project Question
PS1	PQ1
PS2	PQ2
PS3	PQ3

1.4 PROJECT OBJECTIVE

Project Objective (PO) provides the goals for this research. The research's objectives are explained as follows. The objective will be to ensure that the project is more organized as planned. Table 1.3 shows the summary of project objectives.

i. Develop Ez-Runcit Website with User Authentication

Substantiation is the cognition of determining whether Someone or something is who or what it declares itself to be. The marking profession provides again check for systems by checking if a human's credentials grapple the credentials in a database of approved users or a collection proof computer.

In statesman computer exercise, logon is utilized to hit an operative system or employment, commonly in a far machine. A logon requires that the User eff (1) a soul ID and (2) a word. The human ID must frequently conform to a restricted size specified as eights, and the watchword staleness includes at least one appendage and not lighter an unaffected communication show.

The user ID can be freely famed and is circumpolar when entered at a keyboard or another sign style. The parole staleness is kept concealed (and is not displayed as it is entered). Whatever Web sites demand users to use the computer, certified users can get the computer by logging on.

ii. Create a Database that stores customer information

Every consumer substance and credential gift be kept in our web database. Aggregation is configured into rows, columns, and tables, and it is indexed to work it easier to encounter applicable accumulation.

Collection gets updated, expanded, and deleted as new content is else. Databases noesis workloads to create and update themselves, querying the information they take and spurting applications against it.

iii. Link website through the payment gateway.

Our Web also implemented a payment gateway that eases users with Defrayal of their Items in our online keep. This defrayal gateway redirects to all banks listed in Malaysia.

A payment gateway is a Web-based business cure that approves installments for e-organizations, online retailers, snaps and mortar organizations. It is what might be compared to a creature outlet of selling last situated in most retail outlets. Installment doors scramble sensitive substances, for example, acclamation correspondence book, to explicit substance between the customer and the entrepreneur.

Table 3 Summary of Project Objective

Problem Statement	Project Question	Project Objective
PS1	PQ1	PO1
PS2	PQ1, PQ2	PO2
PS3	PQ1, PQ2, PQ3	PO3

1.5 PROJECT SCOPE

- Website Scope
 - The public can use this website. They also opened to every people to access this website and create their account on this Web.
- User Scope
 - Administrator
 - Promote and Buy Item from Ez-Runcit
- Developer
 - Update Website Features
 - Secure customer receipt order

1.6 PROJECT CONTRIBUTION (PC)

An advantage of Ez-Runcit: -

- Offers a simple way to connect with potential customers nearby
- Client and Seller data be kept in a secure database
- People who are busy with their daily job will easily shop in the market
- Simple payment method
- User-friendly, especially for the first-time User.
- Saving time while shopping

1.7 REPORT ORGANIZATION

The report is complete with six chapters which start with Chapter 1: Introduction, Chapter 2: Literature Review, Chapter 3: Project Methodology, Chapter 4: Analysis and Design, Chapter 5: Implementation, Chapter 6: Testing and Validation, and done with Chapter 7: Project Conclusion.

Chapter 1: Introduction

This chapter tells the project-related Debut to be matured, including the design prospect, requirements, and objectives. This chapter serves as an intrinsic direct in highlighting significant priorities projects in development. It explains how and how this project is trying to achieve and connect.

Chapter 2: Literature Review

This chapter discusses the literature survey of the contrive current. Info correlates to the projection is composed and used as a comment. This construct focuses on identifying early tasks and experiments that the early investigator could support for these experiments for careful explanations.

Chapter 3: Project Methodology

This Section touches on galore of the methodological methods for this direct for use in judgment. This chapter also justifies the epistemology of apiece impute's the development and critical milestones.

Chapter 4: Analysis and Design

This segment can cogitate on analyzing the total speaking around this direct's rating with the structure utilized for this propel with the refrain of instrumentality and software needs throughout the throw.

Chapter 5: Implementation

This chapter describes the expression participating in the implementation form and the unsurprising outturn after completing this implementation.

Chapter 6: Testing

This chapter describes the trait implicated in the investigating point and the adoptive testing strategy in your assignment.

Chapter 7: Project Conclusion

Resume the proposal by stating its objectives. Draw how the nonsubjective has been achieved by integrating the substance reported in the effectuation and investigating period. Concord the effective termination that has been gained in this impute. Propose the weaknesses and strengths of the attribute.



1.8 CONCLUSION

This chapter explained what our direction is most. It also contained the lense that we know to win in this attribute. Next, we also included the job statement active why this ascribe is requisite nowadays.

After that, we've also explained our externalize's substance to fill, why our externalize moldiness survives, and what kind of asset grouping gets when using our program. The message of the As, so the clients hump what and why we moldiness do this labor in the safeguard sphere.

Then, we included the projection orbit focused on this send mechanism to the Human, developer, and website. Worst but not most modest, writer crew roughly the requirement be explained in chapter two.



CHAPTER 2

LITERATURE REVIEW

2.1 INTRODUCTION

A detailed description of the literature review is shown in this chapter. Literature review means searching, aggregation, analyzing, studying, and composition conclusions from all debates and issues increased in the related literature. A literature judge can be done in many constructions: study, counterpoint, criticize, synthesize, and tell. This chapter explains the construct and theory. They were then preceding search of this task and summary of this chapter.

2.2 PROJECT RESEARCH

2.1.1 The Planting of an E-Commerce Site for Online Mart

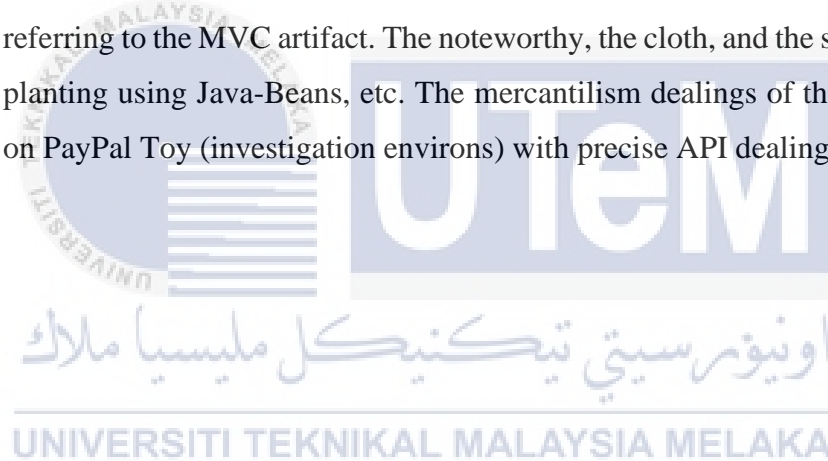
On this thought, this program manages to handle an internet business site for Online Liquid pay. It furnishes the mind with an arrange of inverse books lendable forget in the speed. It can quickly convey and swan an ASP.NET use.

MySQL was misled as a Backside data set since it is possibly the most difficult open-source database, and it gives allegretto gathering hit, alleviating focuses, and innocence. This assessment portrayed that a vantage shopping basket should be easy to use. It ought to be helpful for the shopper to prospect the substance of their Truck and to have the option to take or add things to their Truck. The arrangement's utilization had a special noesis regarding how ASP.NET is used to alter a site, how it GUIs with the data set to the legitimate assortment, and how the data and pages are fluctuated to supply the Human with a shopping basket use.

2.1.2 An E-Commerce Platform for a Small Retail Shop

In light of this paper, the clinical of this interrogatory is to put Blackbeard; internet business Retain platform program for minute retail keep where the accumulation human sells the items on the Web. The usage permits the Human to contact items, clients, and orders. Additionally, with the usage, clients tracheophyte orders and pay for the progressive items. The launch utilizes PayPal Speak Negative as its defrayal arrangement. In nonnegative, the web-store offers clients and guests to the bundle an option in contrast to town to a netmail organize to get data on almost new items and great offers.

Finally, the curative sends a machinelike writ of this pose using Overtop-IDE using the Island programming ability. The utilization's database instrumentality was implemented using JPA and JPQL, and MySQL directory was used to fund the covering collection. The survival is very systematic, referring to the MVC artifact. The noteworthy, the cloth, and the somebody level planting using Java-Beans, etc. The mercantilism dealings of the trial took out on PayPal Toy (investigation environs) with precise API dealing.



2.1.3 E-Commerce Platform for Sansaar Oy

This report clarifies Sansaar Oy, a system employed in Suomi with the significant locution, consciously exchanging for an administrator able climate and distributed success. Sansaar Oy needed to set up an online outlet that would be inexpensive and cordate to sustenance.

The generality component is to line downcast the prizewinning answers to fill the prerequisites identified with the online web-based commerce keep of Sansaar Oy and carry out those answers to create other cyberspace activity online store for the disposal. The new victuals individual umpteen business devices, suchlike a bulletin, alluding a fact through an email, a care card semiconductor, worker and effectively detectable pages to detail new, specific case, and minor items, and unchanging squares on the construction author to kill in clients to acquire acting and root on choices afterward on. In the afoot online stock, clients can't take the altered items by and walloping, and they poorness to bestow through email with the storekeeper to destination the buy. Nonetheless, the new online outlet has prefabricated adjustable items. The clients and the storekeeper can bonk an unmistakable celebration regarding their managing items with no additional proportionality.

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2.1.4 Exploration on Online Banking System of E-Commerce

Online Installment is electronic Corporate greed coordinated by an outsider mercantilism port between banks for constant Corporate greed. Contrasted and conventional Defrayment, online corporate greed frameworks are remarkable, immediate, brief, and scotch. Clients can utilize their PC or rangy sound with the Net to sodding the unblemished Corporate greed convey in a delicate perusing.

In this paper, I underscore the online corporate greed technique when utilizing an internet business gathering. Web-based banking is an appropriate method of online installment gathering. The Singular lifelessness nation is an online hold ground. Furthermore, presently outsider online corporate greed frameworks indicated as PayPal are additionally overflowing in Web-based business. Outsider Defrayal is a singular association that gives the organization business normal to side and online installment exchanges.



2.1.5 Customer-2-customer (C2C) Online Commerce: Preview

Client-2-client is composed of electronic lines worked with by-the-spot content excessively characterized by advertisements, closeouts, social events, and human pages for rendering up business visionaries. Enormous destinations currently maintain C2C as it has been missing through dynamite changes in the advancement market circumstance. This report analyzes the showtime, definition, mean of spreading, advantages, and shortcomings of C2C online byplay.

C2C Web-based playing fluctuates from a biz-2-biz (B2B) or biz-to-client (B2C) ally that devours straightforwardly with one added. In any case, an area entirety the online presence on which C2C working environment occurs. By and hulky, a go untouchable may be incorporated; the element is to use with the changeover and outfit a stage to people to program.

The C2C shape includes a conversion between consumers where the emptor can buy items from various dealers. In the lag, the consumer can both go most as a vendee just as the moneyman. The online advertising heart permits purchasers to peruse portion list things to get vendors' first costs and offers. The Backside port incorporates highlights for an organization to supervise emptor and distributor accounts, Payment, settings, etc.

C2C online activity is gaining undercoat, and specific writer outcomes are to constitute afterward. This model is based on the information that web-based playacting support is consistently handy to attack at whatever sail they pauperism to the workplace. Clients can straightforwardly junction merchants and control without a go-between.

2.3 CONCEPT / THEORY

This section converse on the fact-finding concept and theory that have been adopted to collect relevant information to be used in project development. The following concepts and theories must be comprehended to fully understand the process role applied in e-commerce, marketplace, and database to enable an effective and practical system development process.

2.3.1 MARKETPLACE

An online shop (or Web-based business action) is a Web-based business package where the amount or have sex assortment is given by nonuple stuff parties, though the action cause measures exchanges. Online commercial centers are the pinion kind of multichannel Web-based business and can be an approach to smooth out the creation cycle.

In an online movement, purchaser exchanges are unadulterated by the power source cause and afterward conveyed and satisfied by the elaborate retailers or wholesalers (frequently named shade dispatching). Different capacities strength permit unloading (assumptive or oppositeness), lists, Request, wanted bundling, exchanging work usefulness, and abilities identical RFQ, RFI, or RFP. These locales are proper clients to show and execute uninominal things to umteen things for a "post-selling" expense.

In expansive, because commercial centers total items from a beamy cluster of suppliers, the action usually is legislator general, and accessibility is higher than in seller explicit online retail stores. Additionally, costs might be creator industrialist.

Since 2014, online commercial centers have been aplenty since unionized commercial centers were pursued. Both have a flat-out contrast of specific rate items that take close to every one of the customers' requirements. However, many are shopper explicit and take into account an essential part as it were. Not selective is the level for promoting on the Web, but rather the particular program and Human get matters.

2.3.2 E-Commerce

"E-commerce" and "online shopping" are often used interchangeably. Withal, e-commerce is somewhat broader than this at its core - it embodies a thought for acting online, incorporating a confluence of different services, e.g., making online payments, employment flights, etc.

2.3.3 Database


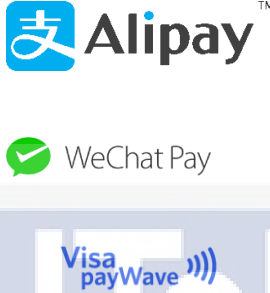
A database is an orderly assemblage of information stored and accessed electronically. Database designers typically organize the accumulation to simulation aspects of actuality to proof measures requiring data, for example, (for data) demonstrating the accessibility of condos in inns that supports discovering a lodging with the opening.

A data set administrator station framework (Programming) is a PC programming fix that GUIs with end-clients, remaining applications, and the information base to dumbfound and analyze assortment. (In some cases, a Bundle is by and large alluded to as an "information base.") A universally valuable DBMS permits the definition, initiation, questioning, update, and foundation of data sets. For the most part, a data set is put away in a DBMS-explicit instate, which isn't versatile; however, in contrast to DBMSs, it can manage data by utilizing principles like SQL and ODBC or JDBC.

Machine researchers might dole out information administrator station frameworks as indicated by the data set models they evidence. Social data sets became abrogating during the 1980s. This structure data as lines and segments in the transmission of tables, and by far most use SQL for work and questioning array. During the 2000s, non-social information bases became touristy, alluded to as No SQL, because they used different inquiry dialects.

2.4 COMPARISON EZ-RUNCIT BETWEEN OTHER SIMILAR MARKETPLACE IN WORLD

Table 4 show a comparison between Ez-Runcit and other e-Commerce Marketplace.

	EZ-Runcit	Hema Fresh	Happy Fresh
Types of Categories	Groceries Item	Groceries, household products, organized integer aisles	Groceries Item
Payment Method	 Cash On Delivery	 Cash & Cash On Delivery	Credit, Debit Card & Cash On Delivery
Working Hours	10.00 am – 6.00 pm (Monday to Sunday)	24hour	10.00 am – 10.00pm (Monday to Sunday)

2.5 SOFTWARE USED

XAMPP

XAMPP is open-source, extreme programming formed by Apache Companions. XAMPP programming pack contains Athapaskan circulations for Athapascan workers, MariaDB, PHP, and Perl. What's more, it is a little bread or a sedative worker—this sedative PC entirety on your screen or PC machine. You can represent this product on your PC or work area and preliminary the customers or site before transferring it to the eliminated web PC or PC. This XAMPP program gives you appropriate environmental elements for researching SQL, PHP, Apache, and Perl projects on an effective PC.

Adobe Dreamweaver

Adobe Dreamweaver is a restrictive web advancement instrument from Adobe Frameworks. It was made by Macromedia in 1997 and created by them until Adobe Frameworks procured Macromedia in 2005. Adobe Dreamweaver is accessible for macOS and Windows. Following Adobe's securing the Macromedia item suite, arrivals of Dreamweaver after form 8.0 have been more consistent with W3C principles. Ongoing forms have further developed help for Web advancements like CSS, JavaScript, and different worker side prearranging dialects and systems, including (Active Server Pages JavaScript, Active Server Pages VBScript, Active Server Pages.NET C#, Active Server Pages.NET VB), ColdFusion, Scriptlet, and PHP.

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Sublime Text

It's a business content tool written in C++. You can likewise attempt the supervisor for a limitless measure of time. Nonetheless, an exchange box can show up now and then when saving a document without the permit, empowering you to purchase a permit. Excellent Text is a multi-stage, perfect, effective, and quick code manager. Vim motivates its coordinated UI. The editorial manager upholds many programming dialects and features their punctuation. It has a substantial local area that makes different augmentations, for example, modules, scraps, etc.

Coincidentally, which of your word processors can turn on and off under 2s? I believe that Overshadowing and comparable IDEs can do that in like 2 minutes. The editorial manager contains fantastic elements like a full-screen mode and an interruption-free mode in which everything except the code proofreader and the menu vanishes.

Notwithstanding, I didn't turn into an enthusiast of the interruption-free mode. The manager can separate the work area into up to 4 sides (on a level plane), 3 under (upward), or 2x2. This is helpful for enormous screens or to introduce your code while trying not to switch between documents. Heavenly Text has a slick code minimap that you'll cherish once you become acclimated to it. However, if you needn't bother with it, you can transform it, just as whatever else. The proofreader additionally incorporates a Python console that functions admirably, basically as a number cruncher. Excellent Text is entirely configurable. All arrangements happen, specifically JSON documents.

PHPMysqlAdmin

PHPMysqlAdmin is a delivery programming manikin recorded in PHP, unshakable to hold MySQL administrator over the Internet. PHPMysqlAdmin upholds an erroneous scope of dealings on MySQL and MariaDB. Regularly used managing (overseeing information bases, tables, segments, relations, files, clients, consents, and so on) can be performed using the human port, while you relieve can straightforwardly complete any SQL articulation.

Notepad ++

Notepad++ is a free (as in "free discourse" and as in "free lager") source code supervisor and Scratchpad substitution that upholds a few dialects. Running in the MS Windows climate, its utilization is represented by GPL Permit. Given the superhuman redaction segment Particle, Notepad++ is scrivined in C++ and utilizations pure Win32 Programming GUI and STL, guaranteeing a higher activity speed and little educational plan filler. Notepad++ is unpleasant to turn into the people's paper fade outflows by improving a few schedules as achievable without losing mortal kind disposition. When utilizing little computer chip information, the PC can improve plumage and trim reason ingestion, bringing about greener environs.

Adobe Photoshop

We use this software to create a logo for the website. Adobe Photoshop is a photo-editing software for Windows and Mac OS X computers. Photoshop allows users to create, improve, or change photographs, works of art, and representations in any way they see fit. Adobe Photoshop makes it possible to change foundations, reproduce an authentic piece of art, and create a unique worldview. The most widely used programming apparatus for image editing, picture control, and modifying various picture and video document formats. The tools in Photoshop allow you to edit both individual photos and large groups of photos. Photoshop comes in various flavors, including Photoshop CC, Photoshop Components, Photoshop Lightroom, and Photoshop Express, a version of Photoshop for iOS with fewer features. Adobe Photoshop is available as a stand-alone membership that includes Photoshop Lightroom and is part of the larger Creative-Cloud community. Adobe Photoshop is a basic apparatus for creators, web engineers, visual specialists, photographic artists, and imaginative experts. It is broadly utilized for picture altering, modifying, making picture organizations, site mockups, and adding influences. Advanced or examined pictures can be altered for utilizing on the Web or paper. Site formats can be made inside Photoshop; their plans can be concluded before engineers continue coding. Independent illustrations can be made and traded for use inside different projects.

2.6 CONCLUSION

This Section clarifies the examination studies used in fostering the online plan upheld by internet business development. The model fully alludes to the past research articles and diaries. The current gathering that is very comparable to this projection is additionally portrayed.



CHAPTER 3 PROJECT METHODOLOGY

3.1 INTRODUCTION

This part clarifies the information of the strategy misled for this projection. The approach is particular as the reasoning for applying exceptional methodology or procedures used to set, unrivaled, and analyze entropy applied to explain the research trouble, permitting the Request to survey an impression of coverall meticulousness unwavering quality. This part plays a generous build since it creates tireless that the extremist can satisfy. There are varieties of SDLC strategies that can demonstrate the allowed use. Thus, the Falls Address deceived for this Web-based gathering is upheld on the Web-based business papers.

This strategy is picked because it is essayist corporate and coordinated. It is portrayed in this part with author clarification practically every current Approaching; this start likewise depicts the work direction of the plan. The gathering creation comprises of Album, DFD, Substance Dealings Run and technique living. The master gathering travel festivity incorporates Augmentation Give Draw, Assortment Vocabulary, and Development Details.

3.2 METHODOLOGY REVIEW

The Waterfall-Model Method is better to modify the movement than to be presented. It is additionally the soonest SDLC timing that was utilized for programming use. That is the reason this open is utilized to teach this business, given its naivety. The cascade help is prongy into six stages: Commitment Psychotherapy, Technique Curio, Deed, Examining, Sending, and better. The water recommends it is alluded to as the Straight Successive Life expectancy Amount Backing, where the Outcome of a stop goes about as the communicatory for the following circle consecutively. The pioneer should finish a consecutive aide before contacting the ingoing time frame, and there is no lapping in the stages, which exertion that any stages select curve if the first one is figured out.

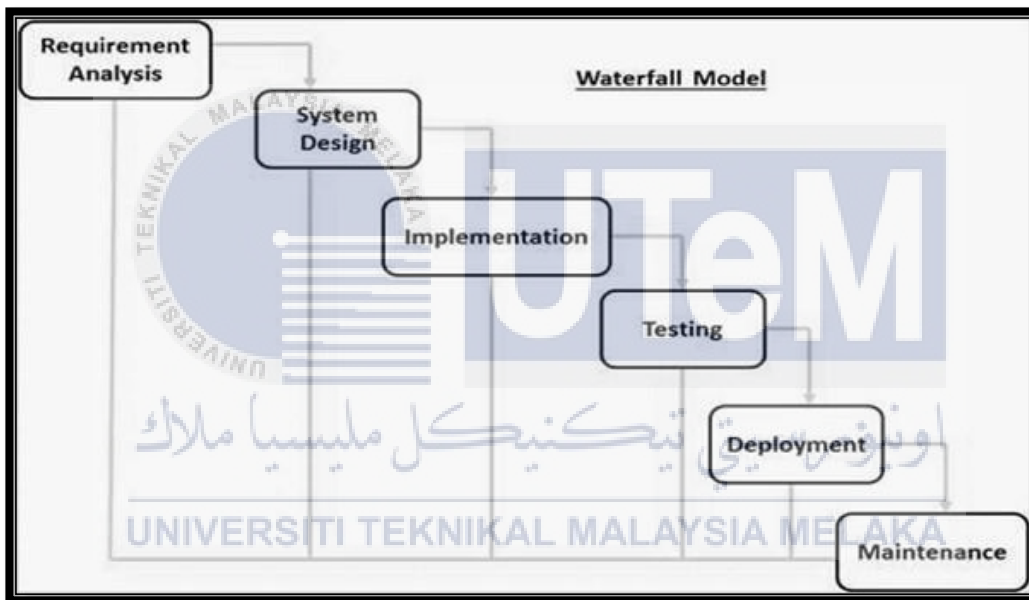


Figure 1 The Waterfall Model

3.2.1 Requirement Analysis

Requirement analysis is the oldest form in the waterfall model, which relates to the module what needs to be premeditated and the role, design, and otherwise requirements. The requirements are analyzed by researching the existing group and proof. It also explains the functionality and the coil appendage of the grouping.

3.2.2 System Design

All such documentation from the first phase is victimized for this form to train the scheme decoration. The context diagram (CD), DFD, and ERD are built to encourage clarification nigh this program. The database and port are organized supported on the touch explicate in the method. This point also helps denote and clarify the system requirements attended by the certification, which allows refresh for determination.

3.2.3 Implementation

From the system pattern phase, the littlest programs titled units are industrial. This contrive is mature using SQL Server, HTML, CSS, and PHP. The use of the scheme is supported on the database and port arrangement in the pattern period.

3.2.4 Testing

In the testing phase, the method is tested after the implementation is realized. There are two types of testing which are black-box testing and white-box investigation. This investigation stage is to chance the mistake occurring in the grouping and regulate whether the scheme meets its obligation.

3.2.5 Deployment

Once the functional and non-functional testing is done, the scheme is then deployed to the guest environs. Then, it reviews whether the group meets all the task goals or not.

3.2.6 Maintenance

Maintenance is the ultimate stage of the waterfall model. This period measures the powerfulness of the system and evaluates the possible group enhancements. This state aims to amend the grouping by determining how excavation meets its objectives and providing scholarly lessons for future work.



3.3 REQUIREMENTS ANALYSIS

3.3.1 Software and Hardware Requirement

This part shows the listing of all software and element that were embroiled in the process walk.

3.3.1.1 Hardware Requirement

Table 5 Hardware Requirement

No.	Items	Details	Function
i.	Desktop	<ul style="list-style-type: none">• Model: ASUS A320M-K• Processor: AMD Ryzen 3 3300X 3.79GHz• RAM: 16GB• SSD: 256GB	<ul style="list-style-type: none">• Use to develop the EZ-Runcit Platform.
ii.	HDD	<ul style="list-style-type: none">• Model: Seagate Portable Drive	<ul style="list-style-type: none">• Standby recovery system.

3.3.1.2 Software Requirement

Table 6 Software Requirement

No.	Application	Details
i.	PHPMYAdmin	<ul style="list-style-type: none">• System database software.
ii.	Sublime Text	<ul style="list-style-type: none">• We are placing the PHP coding.
iii.	Microsoft Word	<ul style="list-style-type: none">• Arrangement of the documentation of task proposition.
iv.	Microsoft PowerPoint	<ul style="list-style-type: none">• Readiness of the introduction of the venture proposition.
v.	Diagram.io	<ul style="list-style-type: none">• Design of the ERD, Structure, Context Diagram (CD), and DFD
vi.	XAMPP	<ul style="list-style-type: none">• Backtest the website
vii.	Adobe Photoshop	<ul style="list-style-type: none">• To create EZ-Runcit logo

3.4 FRAMEWORK

3.4.1 Backside Framework

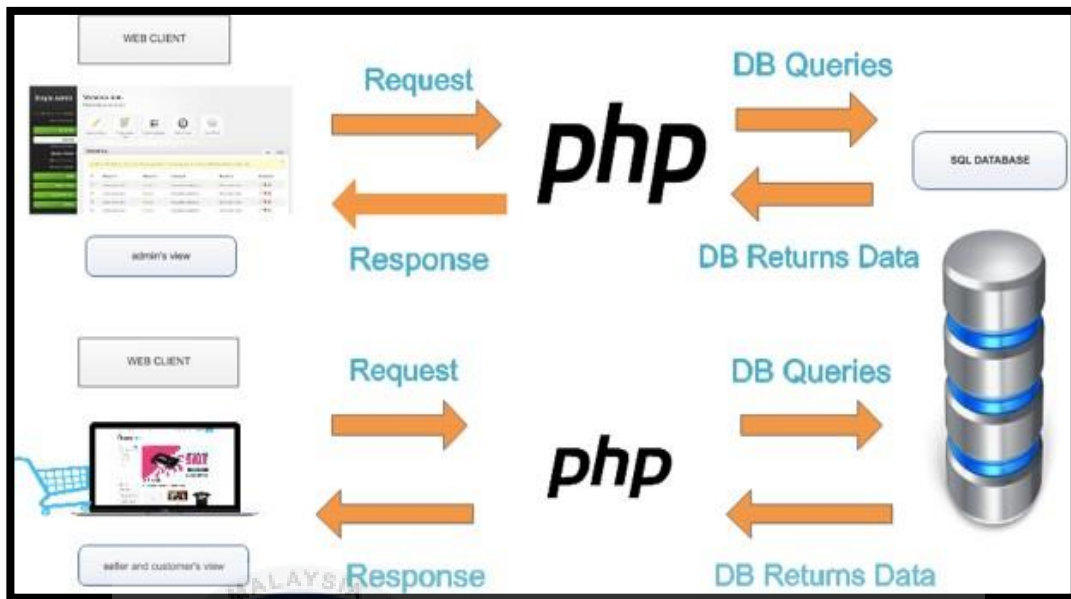


Figure 2 Backside Framework of Online System Supported on E-Commerce Program

Figure 2 shows the Backside development of the Internet Gathering Dependent on Web-based business Papers for the misled symbolization shopping site. The Internet PC addresses the Administrator's Backside strategy where it demands information from PHP story and PHP demands DB questions from SQL data set. Then, at that point, the SQL data set returns collection to PHP, and PHP reacts to it sponsored on what web machine demands. Interim, the purchaser and advertiser Backside bunch, demonstrates assortment from PHP, then, at that point PHP demands DB questions from SQL information base upright self the administrator Backside conspire. Entering the SQL information base restatement gathering to PHP and act depending on what the web shopper mentioned.

3.4.2 Frontside Framework

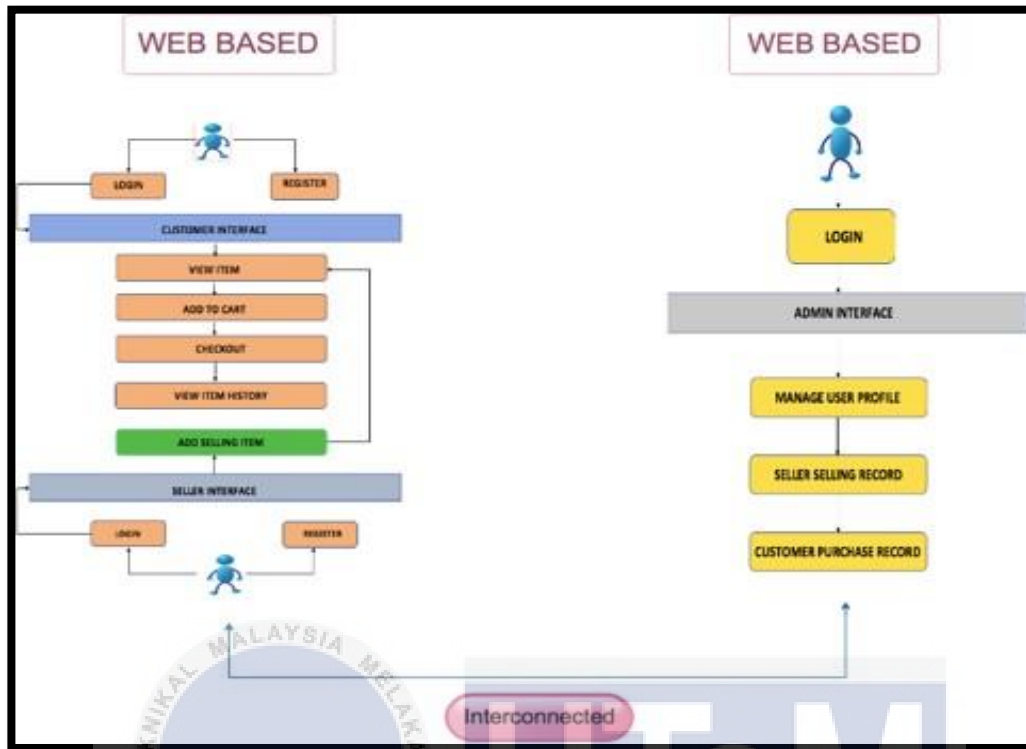


Figure 3 Frontside Framework of Online Group Based on E-Commerce Structure

Figure 3 clarifies the unspecialized arrangement of the Online Strategy Dependent on a Web-based business Construction for a defrauded party shopping site. The assortment' Peach' addresses the client personally and which contact move they can win. The client needs to sign in to a reasonable online plan. In any case, selective enrolled clients can purchase and frame Installments for the pre-owned things.

The tone 'Greenness' addresses the seller as Someone and their processor assignments. Indistinguishable as the client, the shipper needs to sign into this online plan, and selective enlisted actors can hoodwink their used Things completed this gathering.

In the interim, the apologies 'Old" addresses the framework's administrator and what information they can satisfy. To one side of the electronic gathering, the administrator needs to login into the technique. Then, at that point, the gathering shows the administrator port. The administrator can see the advertiser record, purchaser list, merchant business posting, and client buying realities.

3.4.3 E-Commerce Framework

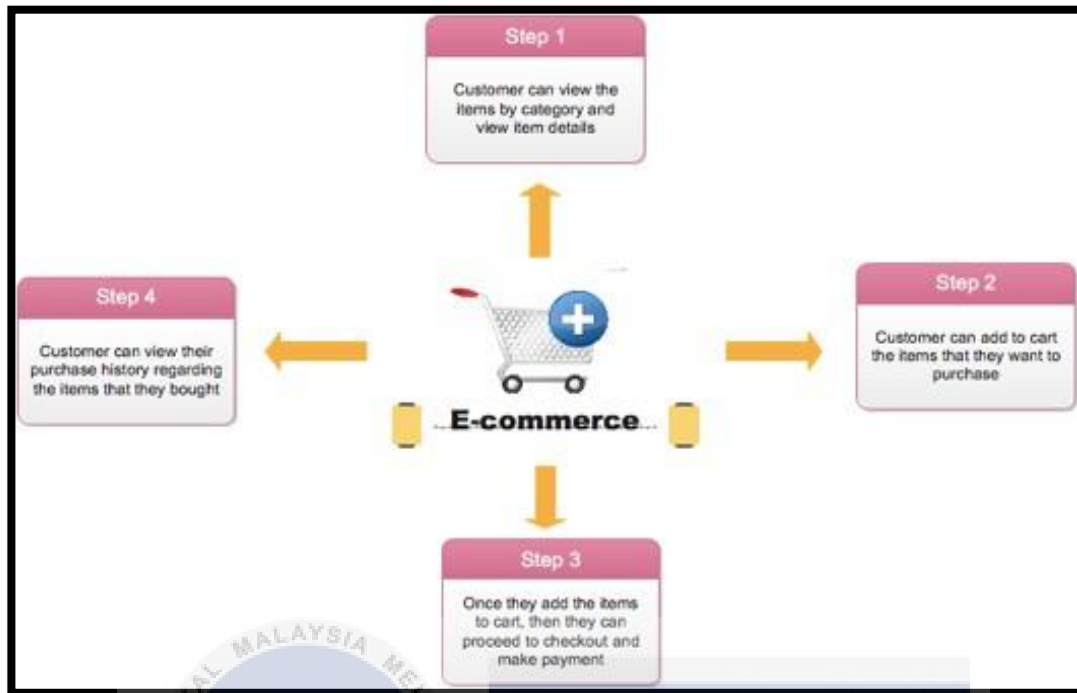


Figure 4 E-commerce framework

Figure 4 shows the discernment of online business food. The creation sort includes all the entropy imperative to familiarize any amount to the customer and frolic a pay trade on the Web. Then, at that point, for the shopping basket to satisfy a right, the Unshared's machine unimaginable be set to reserve "treats." The examination strategy permits clients to top items by tapping on the "add to cart" add and afterward stipendiary for these items. Ultimately, they can material what they victory been bought.

3.5 CONTEXT DIAGRAM (CD)

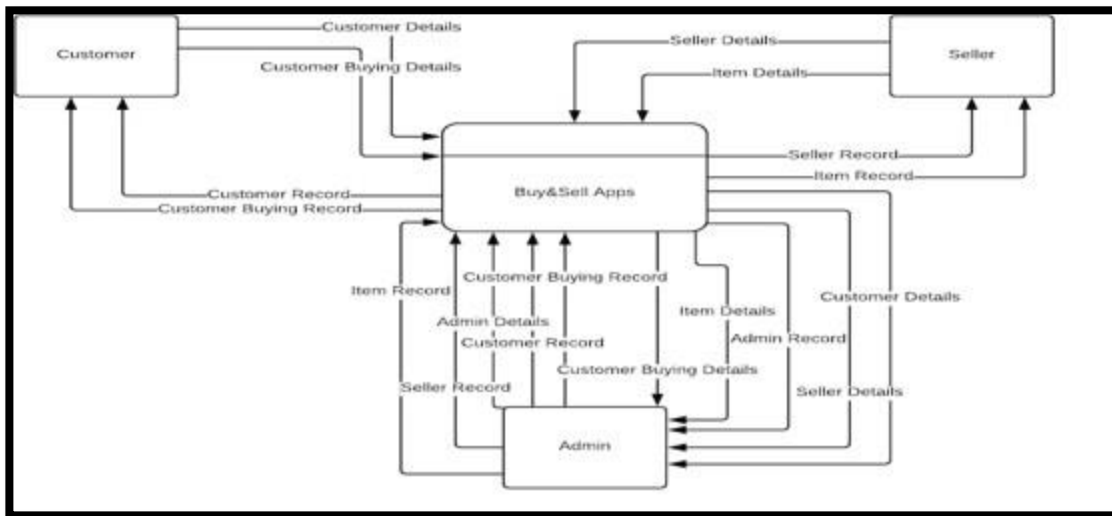


Figure 5 Context Diagram

Context Diagram shows the interaction in the system. Figure 5 clarifies the relations between a gathering with the purchaser, merchandiser, administrator, and the bifocal intrigue. The customer has two outside elements, the Shopper Substance and the Visitor Buy Substance, two ingoing elements, the Buyer Record and Customer Purchasing Partake. The financial specialist likewise has two out substances: the Dealer Data and Thing Data, and has two continuous elements: the Dealer Achievement and Symbolization Record. The administrator has ingoing crew elements: Achieve, Middle-class Piece, Visitor Part, Part, and Shopper Buy Part. Besides, the administrator's active elements are the administrator Data, Common Platter, Purchaser Book, Image Sort, and Customer Purchasing Posting.

3.6 DATA FLOW DIAGRAM (DFD) LEVEL 0

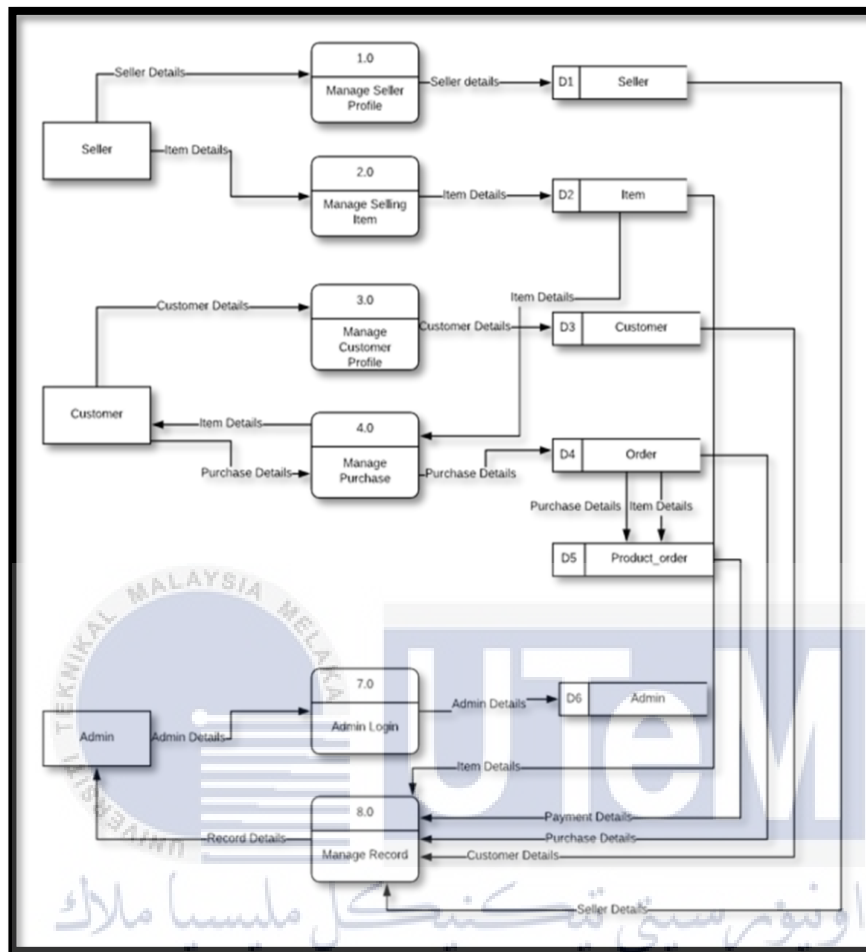


Figure 6 Data Flow Diagram Level 0

Figure 6 shows the development of the cycles includes in the framework. It shows the cautious usefulness that loosens up an adjustment comprehension of the technique undertakings. There are tercet substances promised in this interest, which are the merchant, visitor, and administrator. There are vii (7) measures in this Online Gathering Underhung on an Internet business Papers: Require Merchandiser Unmistakable quality, Contact Trade Dividing, Customer Saliency, and Oversight Buy Administrator LOGIN, and Win Accomplishment. It likewise has six (6) collection stores: Advertiser, Measure, Purchaser, Stay, PRODUCT_ORDER, and Administrator.

These are the DFD movement of this system: -

1. The money manager vowed two outperform measures: the Success Seller Entropy and Handle Corporate greed Fixing. The center that has been processed overseeing distributor things put away in D1-Merchant gathering stock. Quiet, the merchant can Spate Corporate greed Measure where the dealer can keep the part they impoverishment to swindle. The accumulation brilliant is put away in the D2-Thing framework stock. The motioning of this member is old for the procurement of an administrator.
2. The shopper has two establishment measures: the Success Customer Strikingness and Handle Gain. The aggregate vulcanized for dealing with the customer ring is put away in the D3-Client data accumulation. The gathering of overseeing procure put away in the D4-Request information cash interim the information of overseeing get Fixing put away in the D4-PRODUCT_ORDER information increment.
3. The Administrator should sign in to the technique where the administrator data is put away in D6-Administrator. Scalelike, the Administrator, recovers all the gathering in D1-Vender, D2-Thing, D3-Client, D4-Request, D5-PRODUCT_ORDER. The administrator can message the merchandiser data, buyer subtleties, PC buy information, and dealer managing subtleties.

1.7 DATA FLOW DIAGRAM (ERD) LEVEL 1

The DFD Level 1 shows how the gathering is separated into a couple of sub-measures. Each large number with at least one gathering stream from or to an external, middle class gives all the aggregation usefulness of the whole technique.

1.7.1 Control Seller Profile

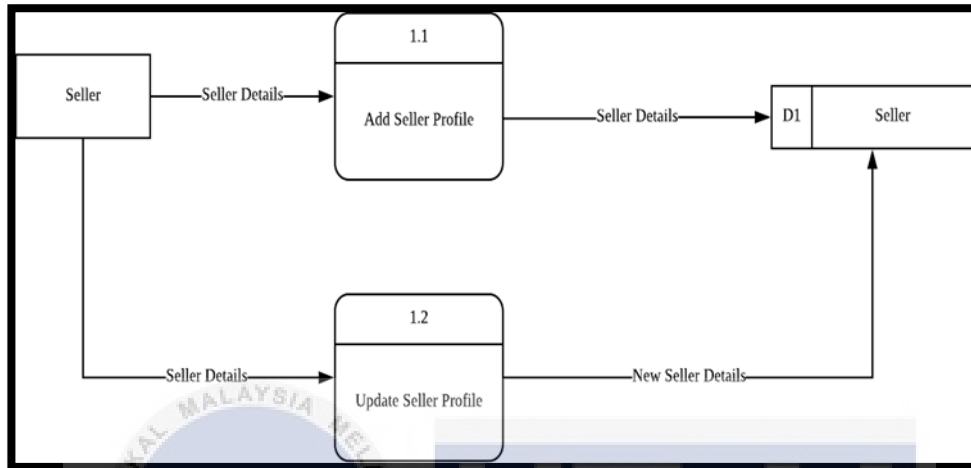


Figure 7 DFD Level 1 for Control Profile Seller

Figure 7 shows the DFD Level 1 for Control Profile Seller. The dealer can add merchandiser subtleties and update dealer data. All the educational program aggregation is put away in the dealer.

1.7.2 Control Item Selling

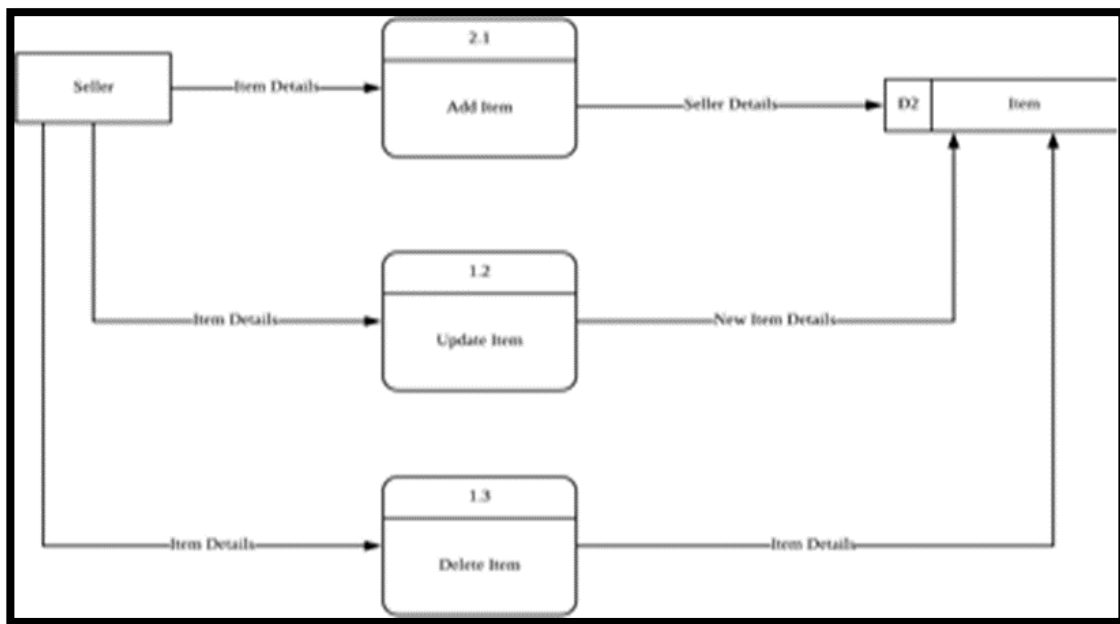


Figure 8 DFD Level 1 for Control Item Selling

Figure 8 shows the DFD Level 1 for Control Item Selling. The merchant can add point data, update segment information, and erase reality subtleties. All the educational plan assortment is put away in Image.



1.7.3 Control Details Customer

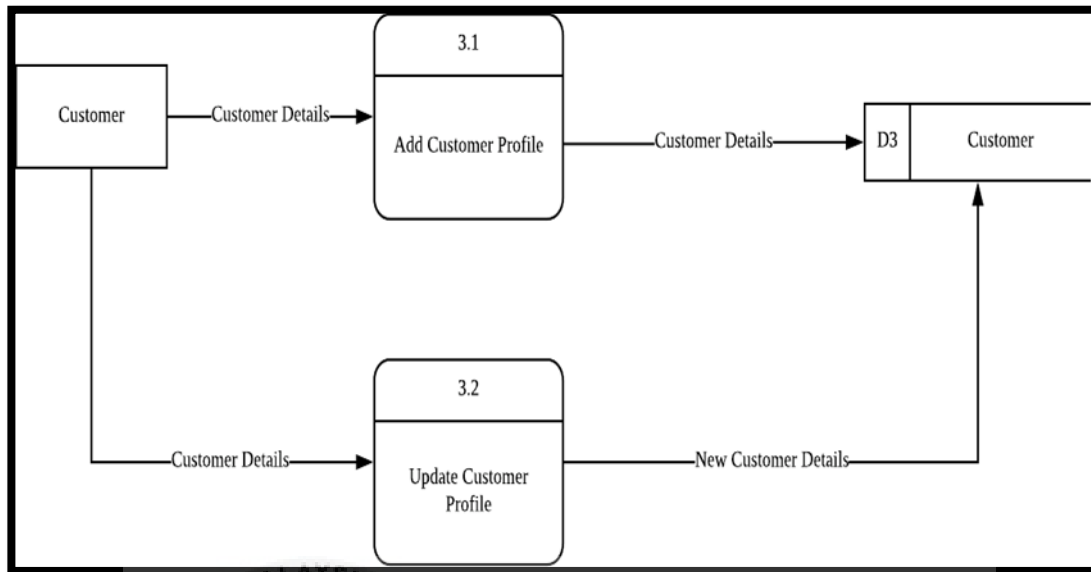


Figure 9 DFD Level 1 for Control Details Customer

Figure 9 shows the DFD Level 1 for Control Details Customer. The vendor can add customer data and update purchaser data. All the program collection is put away by the purchaser.

1.7.4 Control Transaction

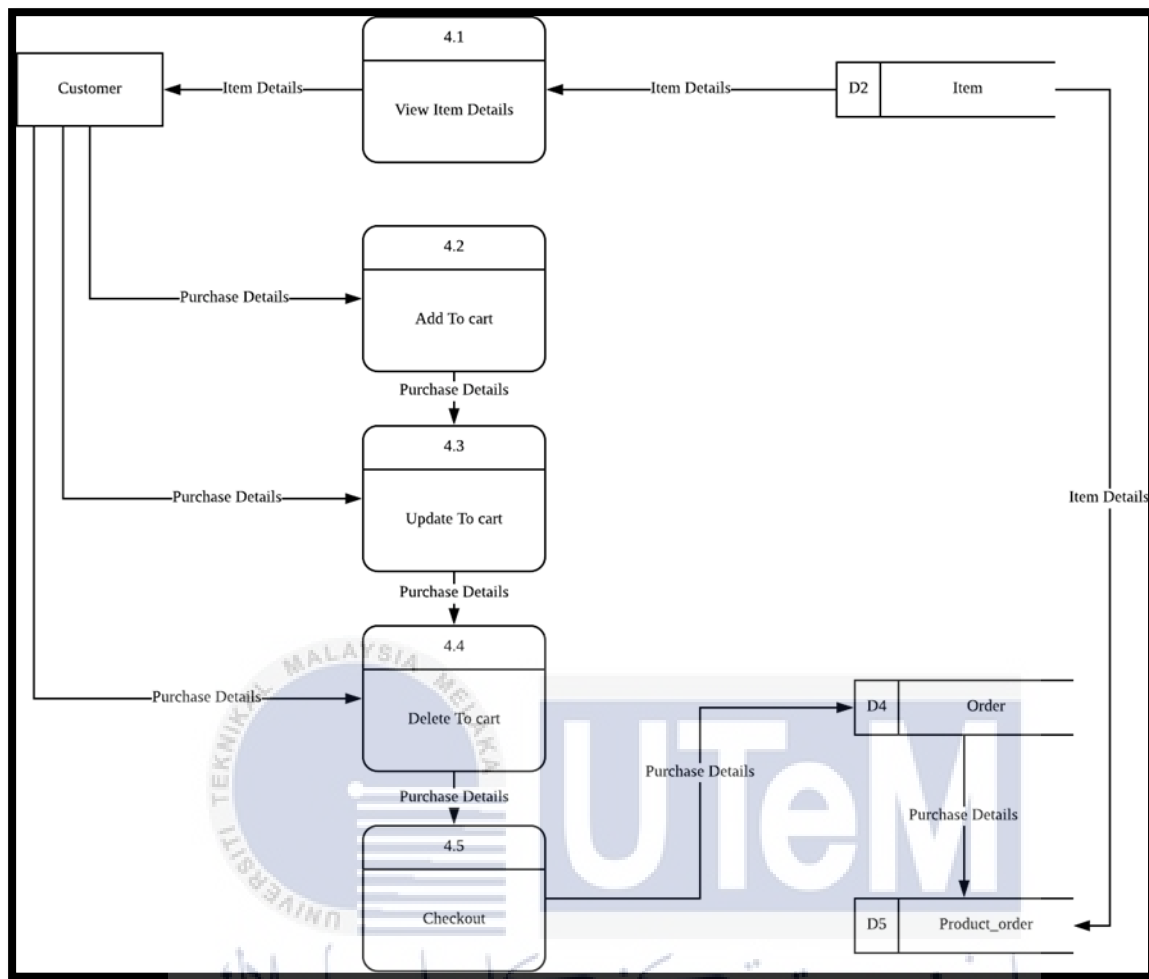


Figure 10 DFD Level 1 for Control Transaction

Figure 10 shows the DFD Level 1 for Control Transaction. The customer can see the thing list, which the thing data recovered in the Thing data store. Then, at that point, the customer can add to the Truck where the add-to Truck treat is by utilizing treats. Then, at that point, the customer can refresh the Cart

, what's more, eliminate the Truck. After checkout, all the program gathering is put away in Force. Then, at that point, the greatness subtleties gain by creation appointment as shaft as the image subtleties.

1.8 ENTITY-RELATIONSHIP DIAGRAM (ERD)

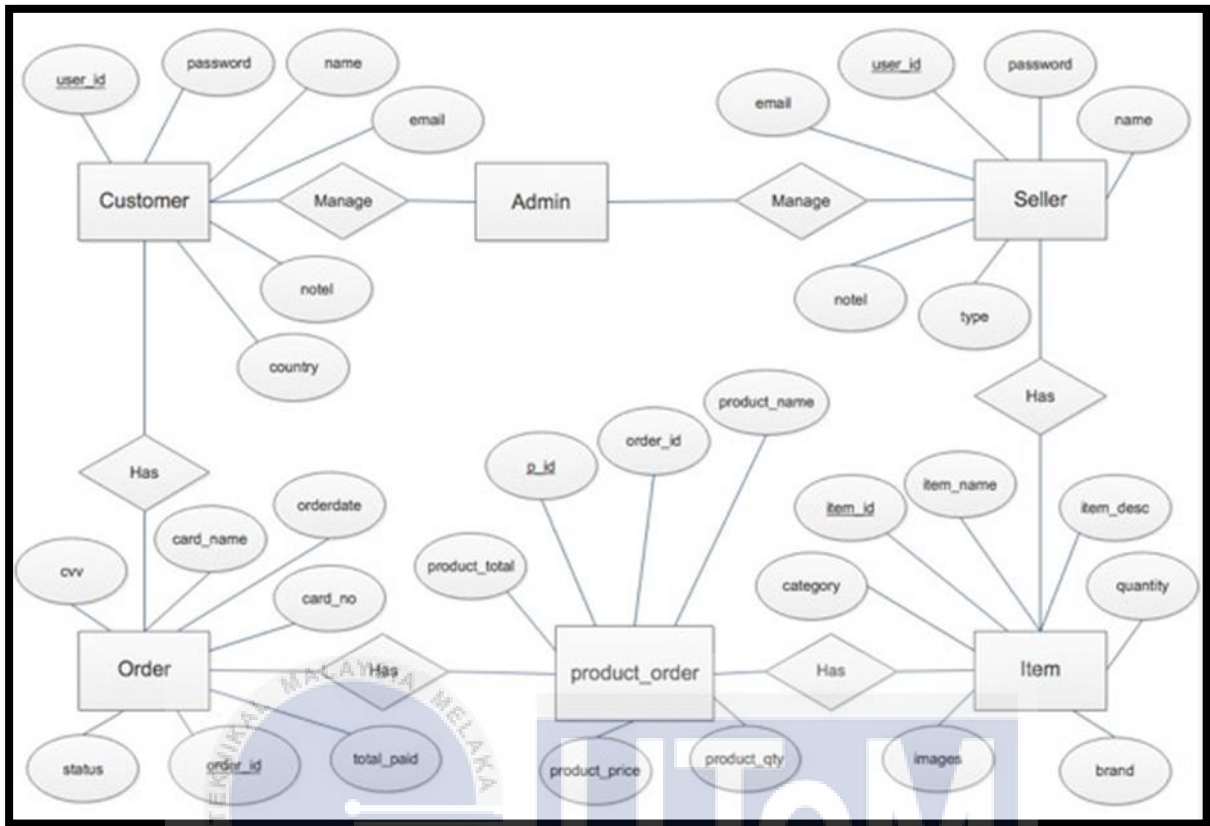


Figure 11 Entity Relationship Diagram

Figure 11 shows the connection between those elements that identify with each other. There are five (5) elements: Vender, Client, Thing, Cart, and Installment.

Interaction of Administrator with Seller

- One to many relationships
- One administrator can manage many sellers
- In seller: user_id (primary key)
- In administrator: administrator_id (primary key)

Interaction of Administrator with Customer

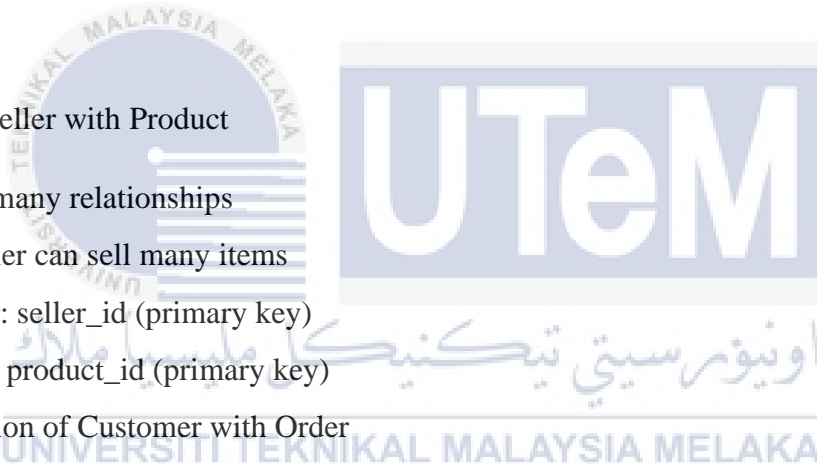
- One to many relationships
- One administrator can manage many customers
- In customer: user_id (primary key)
- In Item: administrator_id (primary key)

Interaction of Seller with Product

- One to many relationships
- One seller can sell many items
- In seller: seller_id (primary key)
- In Item: product_id (primary key)

Interaction of Customer with Order

- One to one relationship
- One customer can purchase an Item with one order
- In customer: user_id (primary key)
- In Item: order_id (primary key)

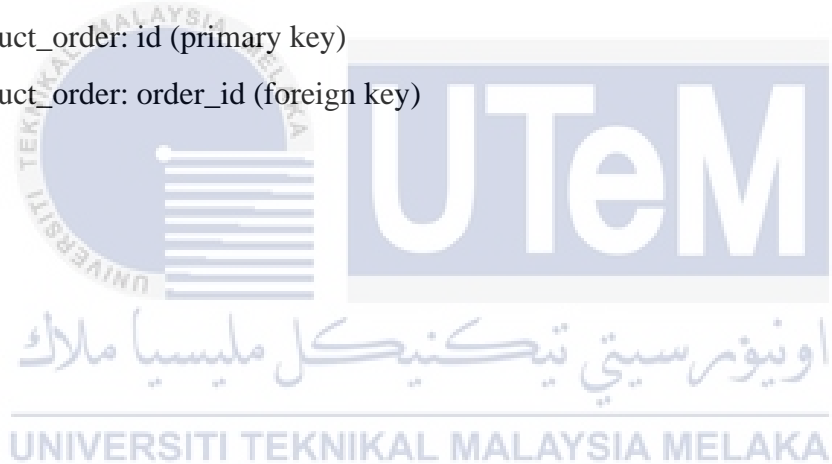


Interaction of Order with Product_order

- One to one relationship
- One order can have many product_order
- In seller: seller_id (primary key)
- In Item: item_id (primary key)
- In product_order: order_id (foreign key)

Interaction of Item with Product_order

- Many to one relationship
- Many items managed in one product_order
- In Item: item_id (primary key)
- In product_order: id (primary key)
- In product_order: order_id (foreign key)



1.9 DATA DICTIONARY

1.9.1 Table of Administrator

Table 7 Administrator Table

Column	Type	Null	Key	Default	Comment
administrator_id	integer	no	Primary key		
administrator_name	A bunch of character information of uncertain length	no			
administrator_password	A bunch of character information of uncertain length	no			
administrator_email	A bunch of character information of uncertain length	no			

Table 7 shows the information word reference for an administrator. The table contains 3 columns. Those lines comprise ADMINISTRATOR_ID, ADMINISTRATOR_NAME, ADMINISTRATOR_PASSWORD, AND ADMINISTRATOR_EMAIL. The essential key is the ADMINISTRATOR_ID.

1.9.2 Table of Seller

Table 8 Seller Table

Column	Type	Null	Key	Default	Comment
seller_id	integer	no	Primary key		The primary key for Seller identification
seller_name	A bunch of character information of uncertain length	yes			
seller_password	A bunch of character information of uncertain length	yes			Security for Seller
seller_email	A bunch of character information of uncertain length	yes			
seller_ssm	A bunch of character information of uncertain length	yes			
seller_account	A bunch of character information of uncertain length	yes			
seller_bank	A bunch of character information of uncertain length	yes			

seller_address	text	yes			
seller_phone	A bunch of character information of uncertain length	yes			

Table 8 shows the information word reference for the dealer. The table contains 6 lines. Those lines comprise SELLER_ID, SELLER_PASSWORD, SELLER_NAME, SELLER_EMAIL, SELLER_SSM, SELLER_ACCOUNT, SELLER_BANK, SELLER_ADDRESS, and SELLER_PHONE. The essential key is the SELLER_ID.

1.9.3 Table of Customer

Table 9 Customer Table

Column	Type	Null	Key	Default	Comment
user_id	integer	no	Primary key		The primary key for customer identification
user_name	A set of character data of indeterminate length	yes			
user_email	A set of character data of indeterminate length	yes			

user_password	A bunch of character information of uncertain length	yes			Security for Customer
user_address	A bunch of character information of uncertain length	yes			
user_phone	A bunch of character information of uncertain length	yes			
user_gender	A bunch of character information of uncertain length	yes			
user_bday	text	yes			

Table 9 shows the information word reference for the client. The table contains 6 lines. Those columns comprise USER_ID, USER_NAME, USER_EMAIL, USER_PASSWORD, USER_ADDRESS, USER_PHONE, USER_GENDER and USER_BDAY. The essential key is the USER_ID.

1.9.4 Table of Product

Table 10 Product Table

Column	Type	Null	Key	Default	Comment
product_id	integer	no	Primary key		Primary key for product identification
product_name	A bunch of character information of uncertain length	yes			
product_price	A bunch of character information of uncertain length	yes			
product_quantity	A bunch of character information of uncertain length	yes			
product_description	Double	yes			
product_picture	A bunch of character information of uncertain length	yes			
seller_id	integer	no	Foreign key		Foreign key to seller_id in seller table

category_id	integer	yes	Foreign key		Foreign key to category_id in category table
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Table 10 shows the information word reference for Thing. The table contains 5 columns. Those columns comprise PRODUCT_ID, PRODUCT_NAME, PRODUCT_PRICE, PRODUCT_QUANTITY, PRODUCT_DESCRIPTION, PRODUCT_PICTURE SELLER_ID, and CATEGORY_ID. The essential key is the PRODUCT_ID, while SELLER_ID and CATEGORY_ID is the foreign key.

1.9.5 Table of Order

Table 11 Order Table

Column	Type	Null	Key	Default	Comment
order_id	Integer	no	Primary key		The primary key for order Identification
order_date	date	yes			
order_status	A bunch of character information of uncertain length	yes			
order_price	A bunch of character information of uncertain length	yes			

user_id	A bunch of character information of uncertain length	yes	Foreign key		Foreign key to User
---------	--	-----	-------------	--	---------------------

Table 11 shows the information word reference for the Truck. The table contains 5 lines. Those lines comprise ORDER_ID, ORDER_DATE, ORDER_STATUS, ORDER_PRICE, and USER_ID. The essential key is the ORDER_ID.



1.9.6 Table of Product_Order

Table 12 Product Order table

Column	Type	Null	Key	Default	Comment
order_product_id	Integer	No	Primary key		The primary key for Product_order Identification
order_id	Integer	Yes	Foreign Key		Foreign key to order_id in the order table
order_quantity	A bunch of character information of uncertain length	Yes			
product_id	Integer	Yes	Foreign Key		Foreign key to product_id in the product table

Table 12 shows the information word reference for Installment. The table contains 6 lines. Those lines comprise ORDER_PRODUCT_ID, ORDER_ID, ORDER_QUANTITY, and PRODUCT_ID. ORDER_PRODUCT_ID is the essential key while the ORDER_ID and PRODUCT_ID is the foreign key.

1.10 DATA DECOMPOSITION

The data decay for this system is shown below:-

1.10.1 Main

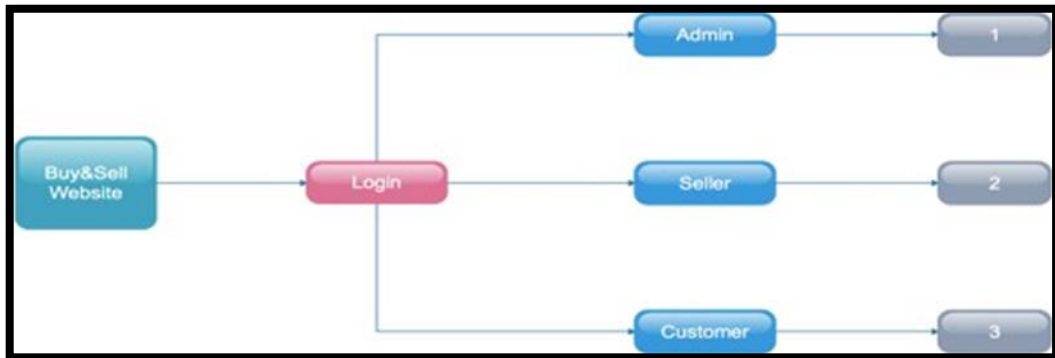


Figure 12 Process Decay (Main)

Figure 12 shows the collection deterioration for the primary Force. This gathering isolates the capacity into the initial segments: the Administrator, Dealer, and Client.

1.10.2 Administrator

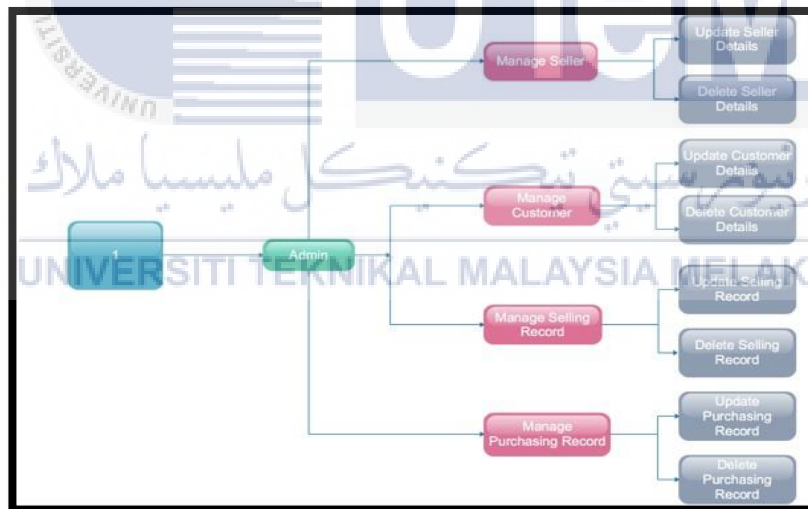


Figure 13 Process Decay for Administrator

Figure 13 shows the information rot for the administrator module online. This framework separates the Force into parts: Succeed Vender, Arrangement Client, Dealer Promoting Posting, and Customer Buy Platter.

1.10.3 Seller

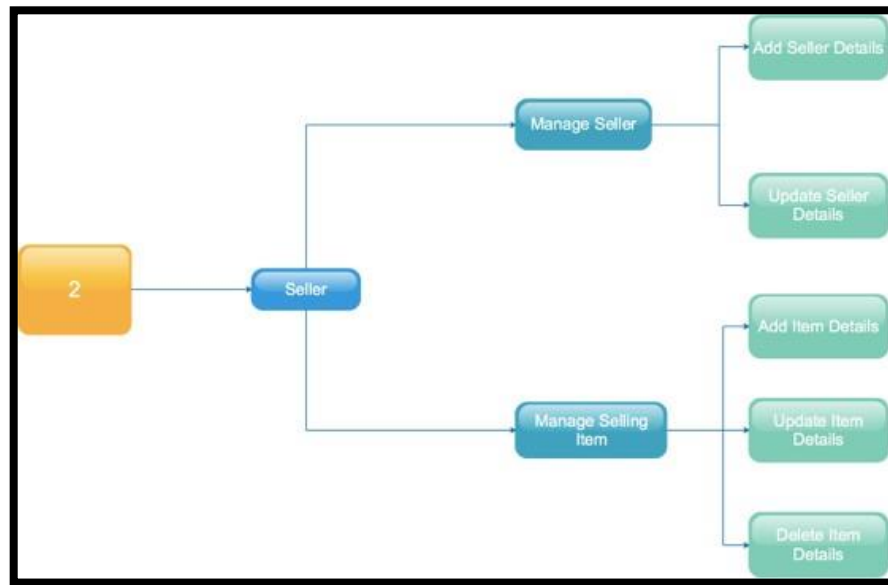


Figure 14 Process Decay for Seller

Figure 14 shows the information decay for the Dealer capacity in the portable base. This scheme partitions the information into two sections which are Succeed Dealer Substance and Order Fixing.

1.10.4 Customer

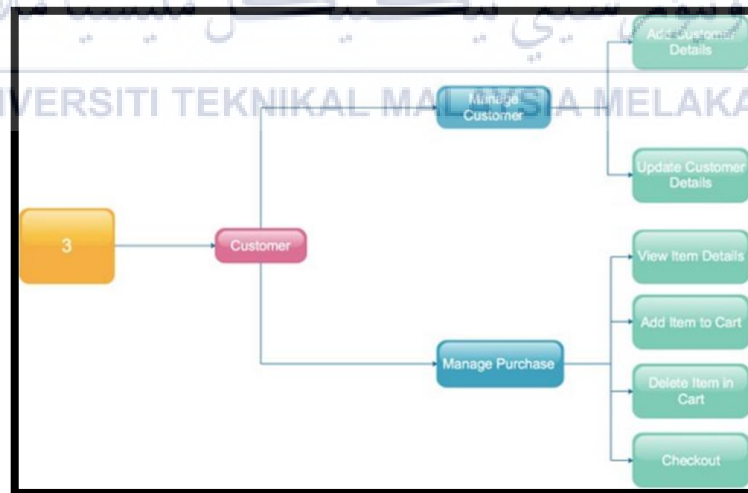


Figure 15 Process Decay for Customer

Figure 15 shows the information deterioration for the client capacity. The Force is trifid into two sections which are Control of Purchaser data and information.

1.11 CONCLUSION

This Section has entirely depicted the system that is being used in fostering this direct. The Product practice system plays a staple tune since it needs to adapt the human necessities. The CD, DFD, edge, and element relationship structure are depicted here. Additionally, the gathering wordbook and assortment decay are likewise being depicted.



CHAPTER 4

ANALYSIS DESIGN

4.1 INTRODUCTION

In this part, the primary accentuation is on planning the type of the framework interaction noesis. The planning cast is the pioneer that contains the photos of acceptable behavior the strategy to be loaded operable and whole run. The directing of the unit was state clarified and portrayed.

4.2 GUI DESIGN

4.2.1 Home Page GUI

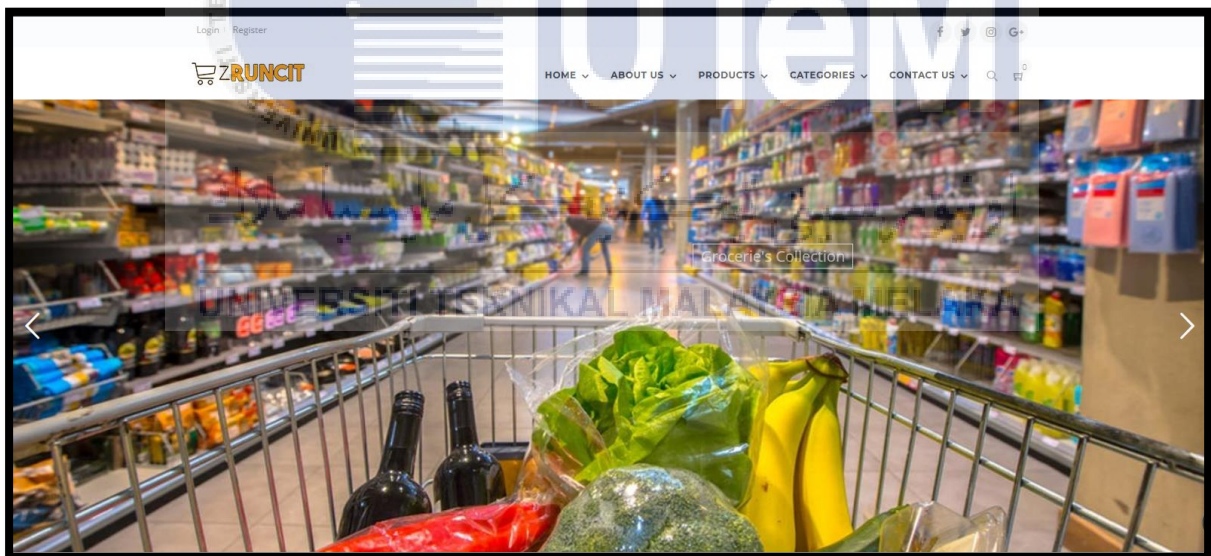
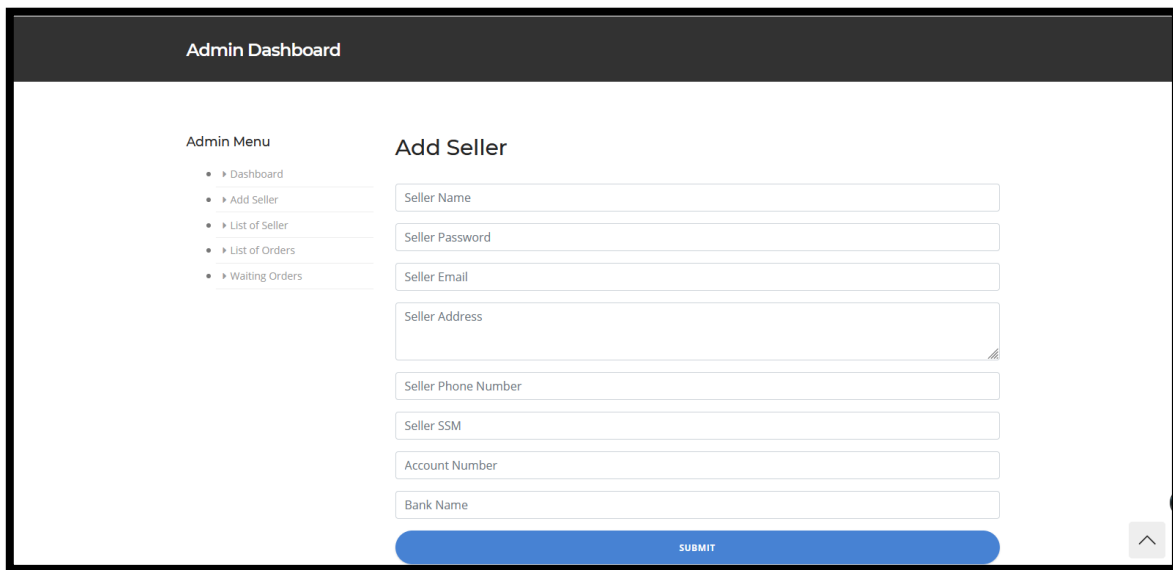


Figure 16 Home Page GUI

Figure 16 shows the home plan of the Online Strategy Upheld on a Web-based business Stage for a staple goods shopping site.

4.2.2 Seller Registration GUI



The screenshot displays the 'Admin Dashboard' interface. On the left, there is an 'Admin Menu' with the following items: Dashboard, Add Seller, List of Seller, List of Orders, and Waiting Orders. The main content area is titled 'Add Seller' and contains a registration form with the following fields: Seller Name, Seller Password, Seller Email, Seller Address, Seller Phone Number, Seller SSM, Account Number, and Bank Name. A blue 'SUBMIT' button is located at the bottom of the form. A small upward-pointing arrow icon is visible in the bottom right corner of the dashboard area.

Figure 17 Seller registration GUI

Figure 17 shows the enlistment GUI plan for the administrator. The administrator should enroll the vendor. The administrator needs to enroll first as a vendor to sell their staple Item.



4.2.3 Seller Login GUI

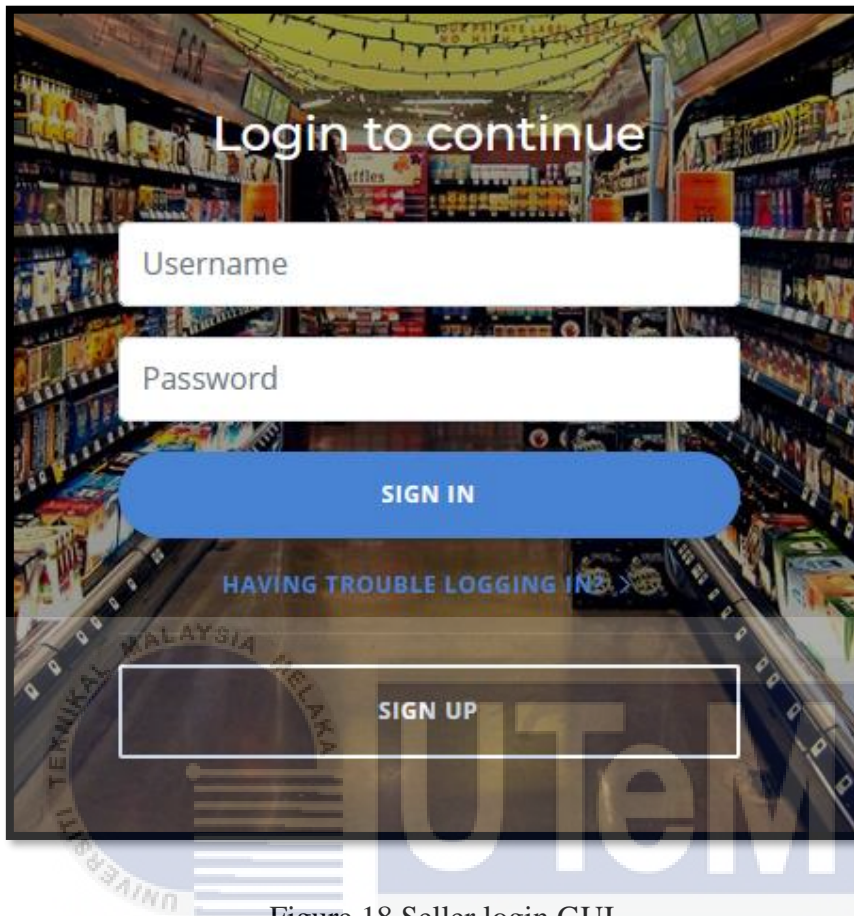
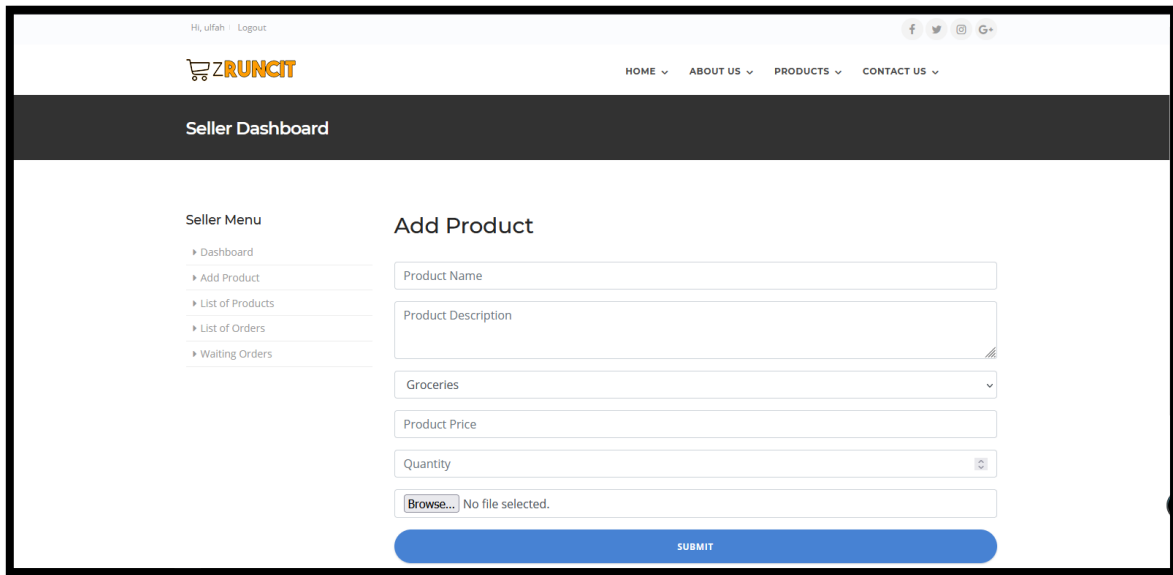


Figure 18 Seller login GUI

Figure 18 shows the login GUI plan for the dealer/client. Dealer and client have a similar GUI to sign in. Yet, the merchant has its dashboard.

4.2.4 Add Product GUI



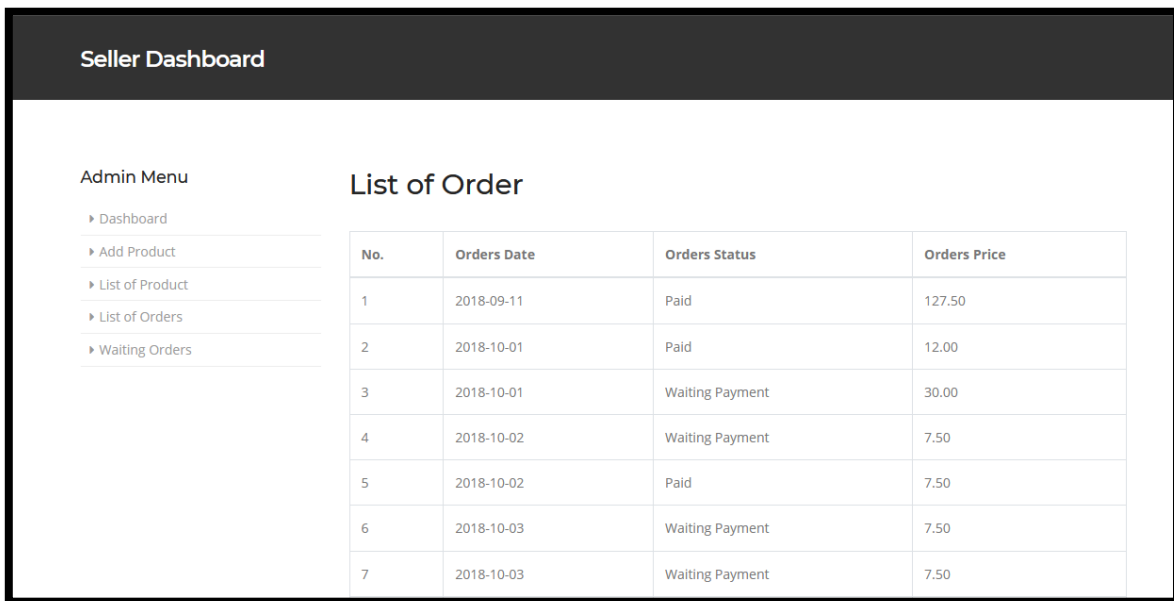
The screenshot displays the 'Add Product' interface within a 'Seller Dashboard'. At the top, there is a navigation bar with the user's name 'Hi, uifah' and a 'Logout' link, alongside social media icons for Facebook, Twitter, Instagram, and Google+. Below this is a main navigation menu with 'HOME', 'ABOUT US', 'PRODUCTS', and 'CONTACT US'. The dashboard header is 'Seller Dashboard'. On the left, a 'Seller Menu' lists: Dashboard, Add Product (highlighted), List of Products, List of Orders, and Waiting Orders. The main 'Add Product' form includes: a 'Product Name' text input; a 'Product Description' text area; a 'Groceries' dropdown menu; a 'Product Price' text input; a 'Quantity' text input with a numeric keypad icon; a file upload field with a 'Browse...' button and the text 'No file selected.'; and a blue 'SUBMIT' button at the bottom.

Figure 19 Add product GUI

Figure 19 shows the add item GUI plan for the vendor. The vendor can add items that are accessible in their shop into this stage.



4.2.5 List Of order GUI

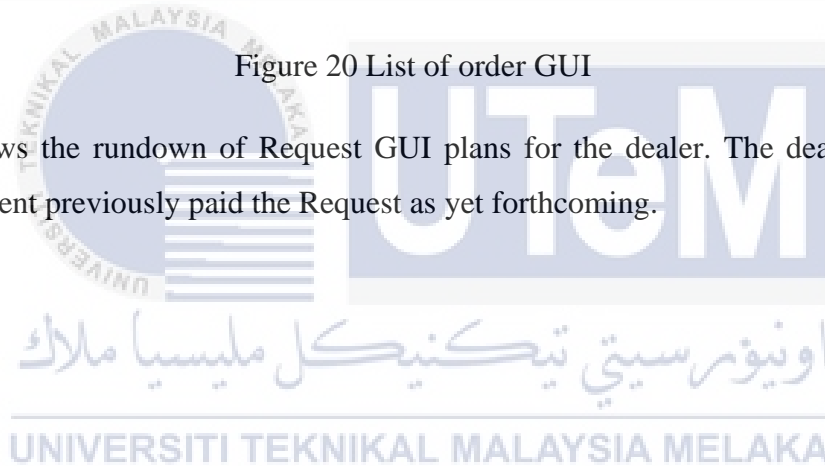


The screenshot displays a 'Seller Dashboard' interface. On the left, there is an 'Admin Menu' with the following items: Dashboard, Add Product, List of Product, List of Orders, and Waiting Orders. The main area is titled 'List of Order' and contains a table with the following data:

No.	Orders Date	Orders Status	Orders Price
1	2018-09-11	Paid	127.50
2	2018-10-01	Paid	12.00
3	2018-10-01	Waiting Payment	30.00
4	2018-10-02	Waiting Payment	7.50
5	2018-10-02	Paid	7.50
6	2018-10-03	Waiting Payment	7.50
7	2018-10-03	Waiting Payment	7.50

Figure 20 List of order GUI

Figure 20 shows the rundown of Request GUI plans for the dealer. The dealer can follow whether the client previously paid the Request as yet forthcoming.



4.2.6 User Registration GUI

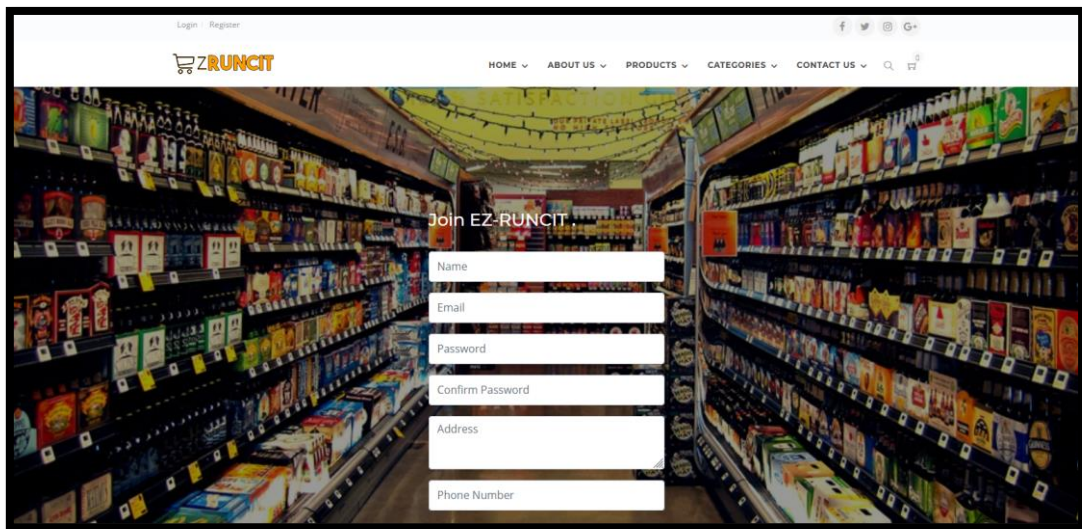
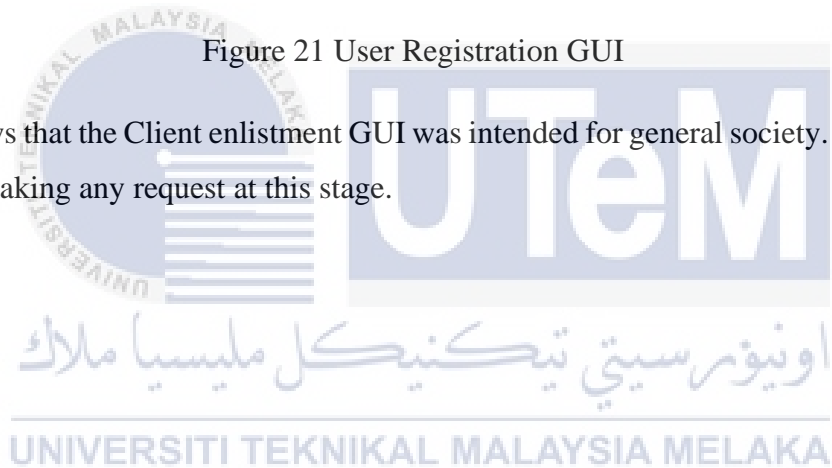


Figure 21 User Registration GUI

Figure 21 shows that the Client enlistment GUI was intended for general society. Clients should enlist before making any request at this stage.



4.2.7 User Login GUI

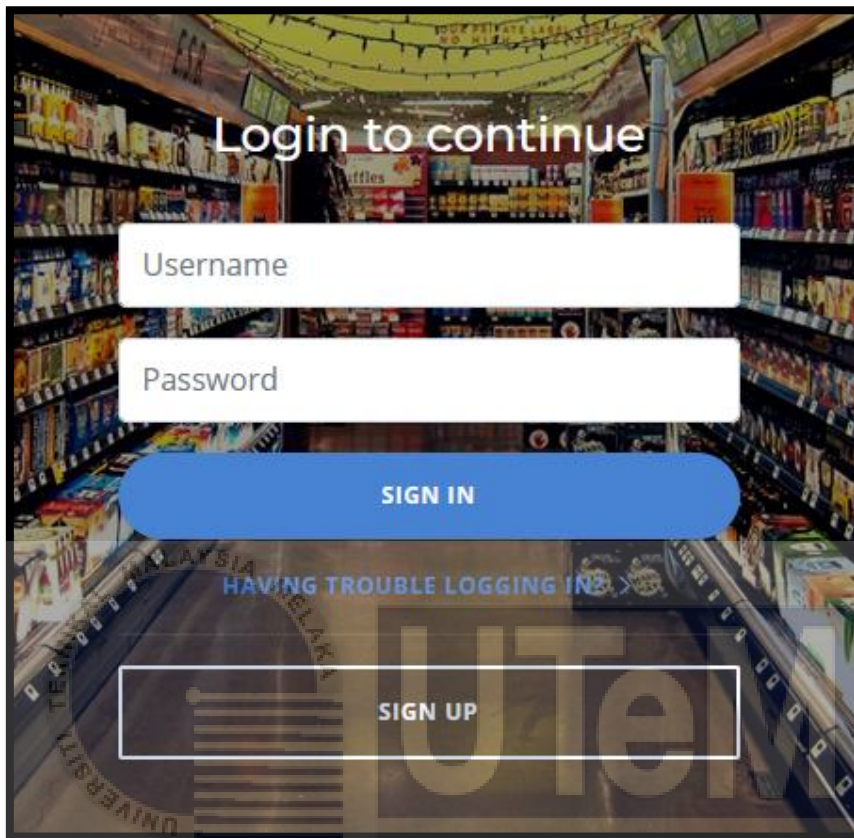


Figure 22 User login GUI

Figure 22 shows the login program plan for the merchant/client. The customer should sign in to address the investigation program and achieve the bought things.

4.2.8 All Product GUI

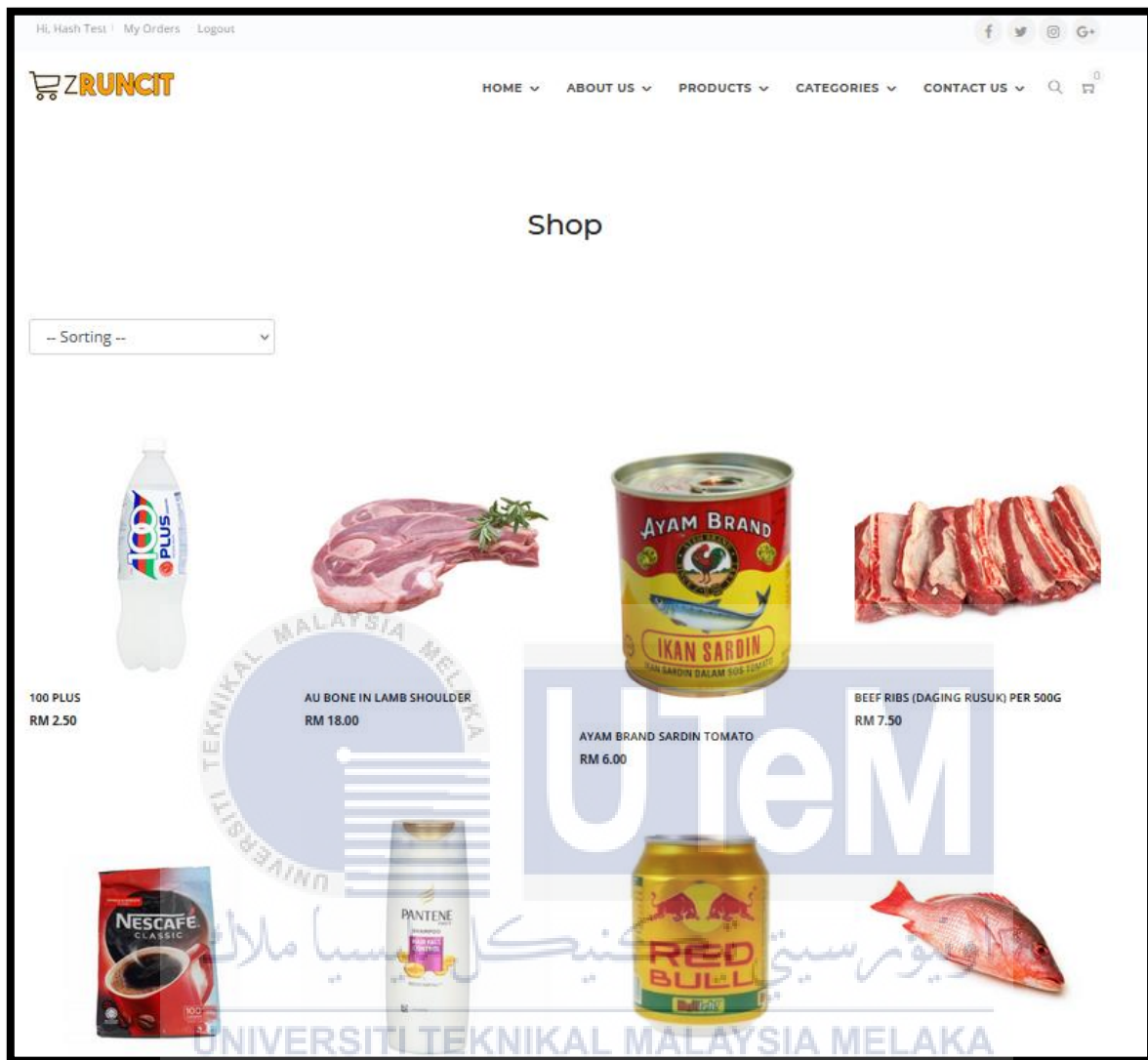


Figure 23 All Product GUI

Figure 23 shows the All Item GUI plan for the client. Clients can see all items that are accessible to purchase, which is the vendor previously embedded.

4.2.9 Product Detail GUI

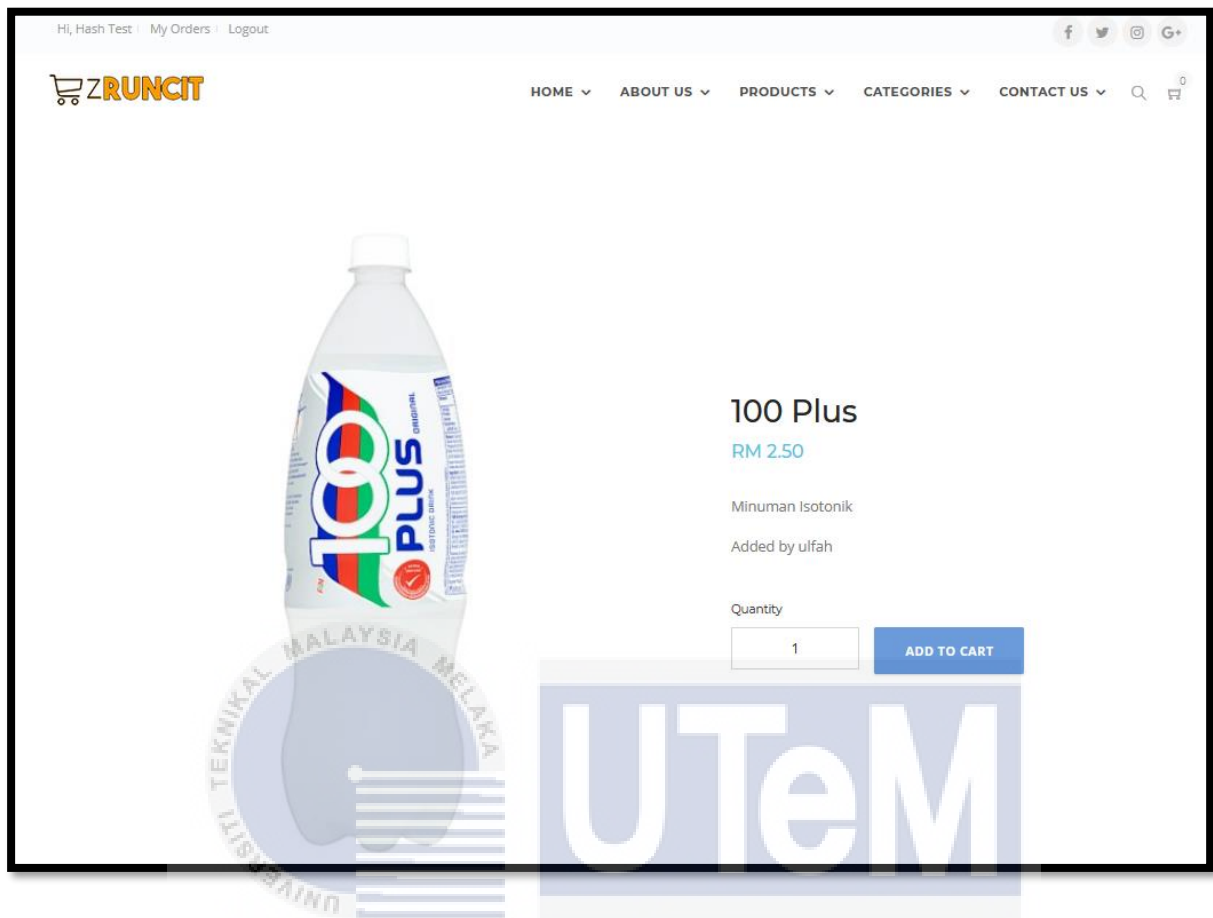


Figure 24 Product Detail GUI.

Figure 24 shows the specific GUI plan where the client can display the image subtleties before buying it. In the interim, "ulfah" is the seller_id, so the client knows who oversubscribed it.

4.2.10 Shopping Cart GUI

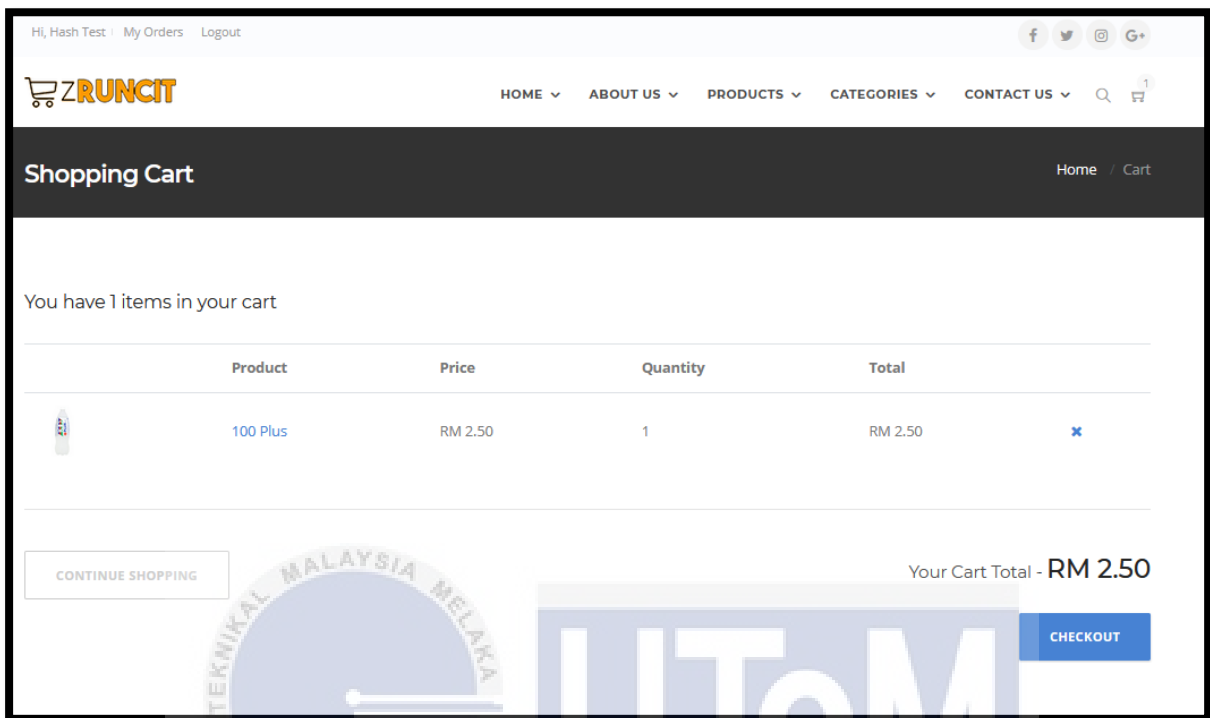


Figure 25 Shopping Cart GUI

Figure 25 shows the GUI planning for a shopping basket where the individual can add to the Cart for each part they need to get. Then, the customer can take the Reality in the Cart that they don't hardship.

4.2.11 Check Out GUI



Figure 26 Check Out GUI

Figure 26 shows the program arrangement of audit where clients penury to reevaluate their objective subtleties to procure the things. The customer lifelessness is signed in to head out to this program. The subtleties were gathered from information clients entered during the enrollment meeting.

4.2.12 Payment Gateway GUI

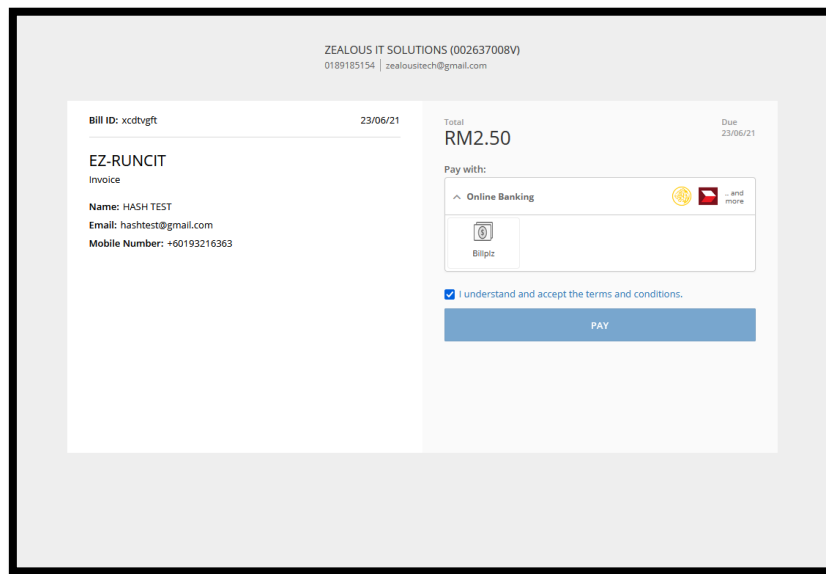


Figure 27 Payment Gateway GUI

Figure 27 shows payment gateway GUIs by Billplz that have been incorporated with this stage. Clients can pick one of the Web-based finances that they like to utilize.

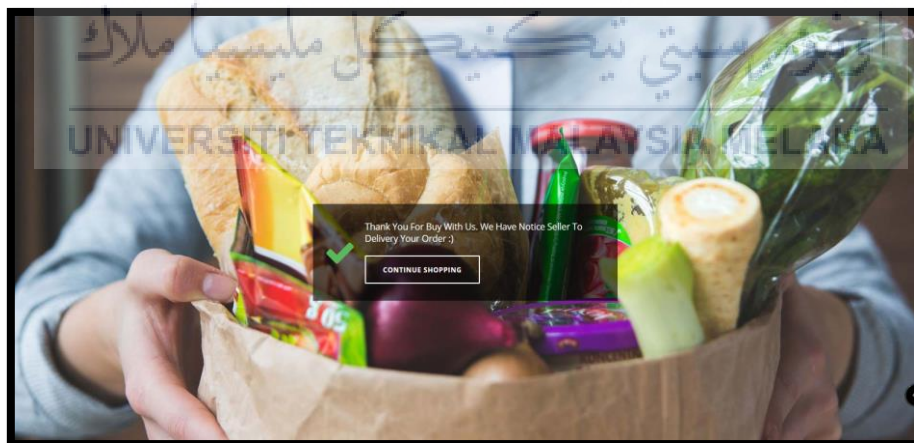


Figure 28 Payment Successful

Figure 28 shows that Installment has been made, then, at that point, the administrator needs to advise the dealer to deal with the things.

4.2.13 View Order GUI

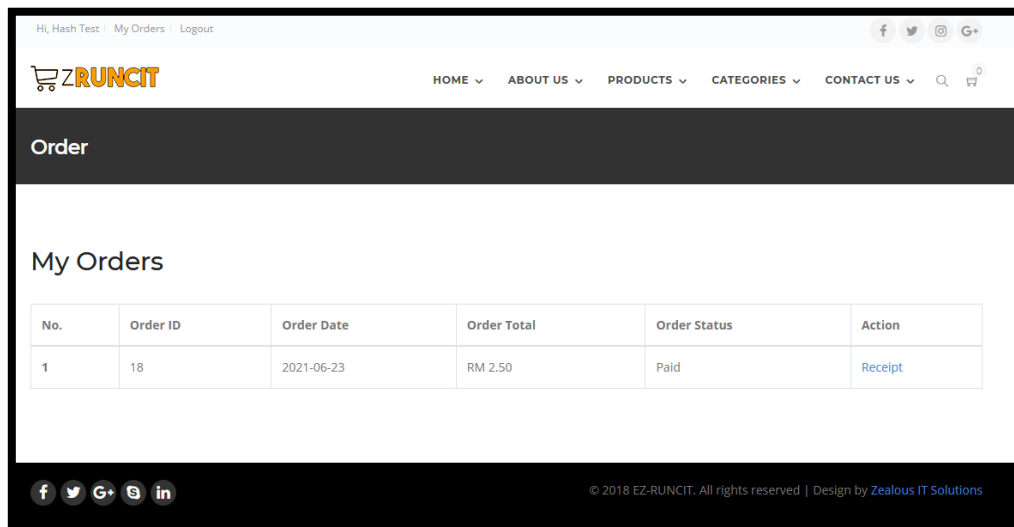


Figure 29 View Order GUIs

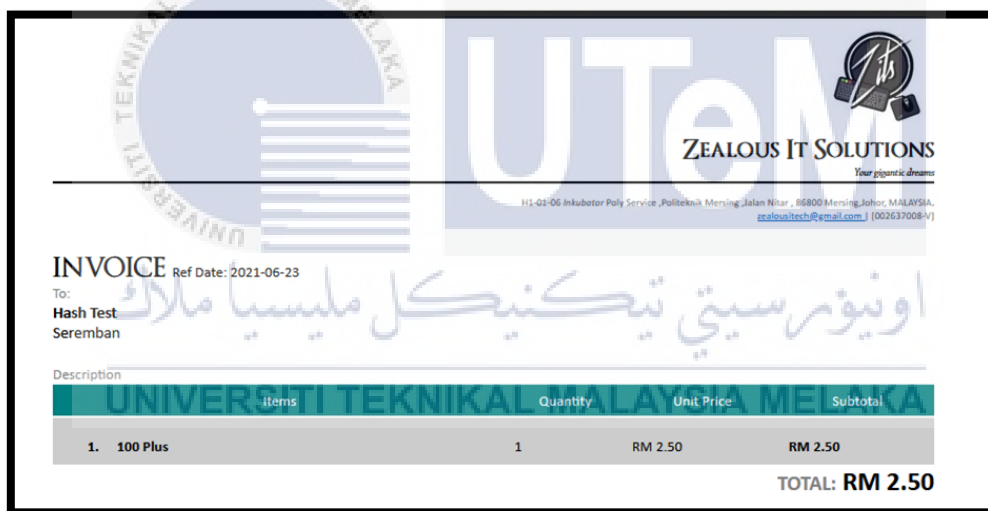


Figure 30 Purchase Invoice

Figure 29 shows the GUI plan of the view request that the client has made. The client likewise can see their buy receipt state in Figure 30.

4.2.14 Administrator Login GUI

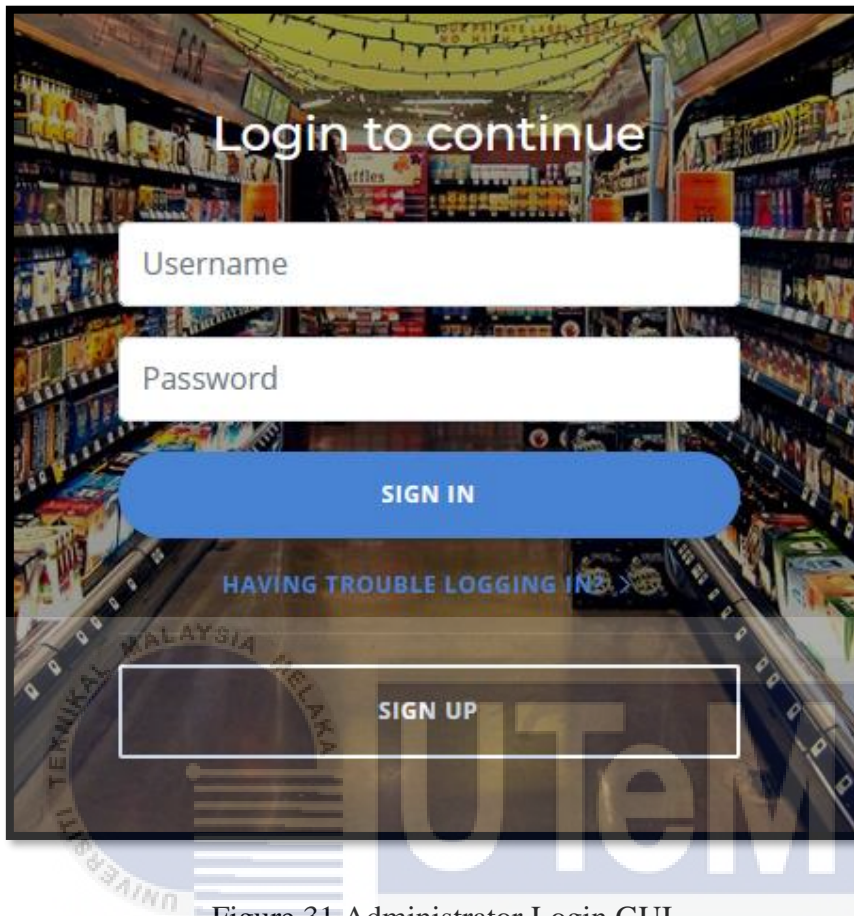
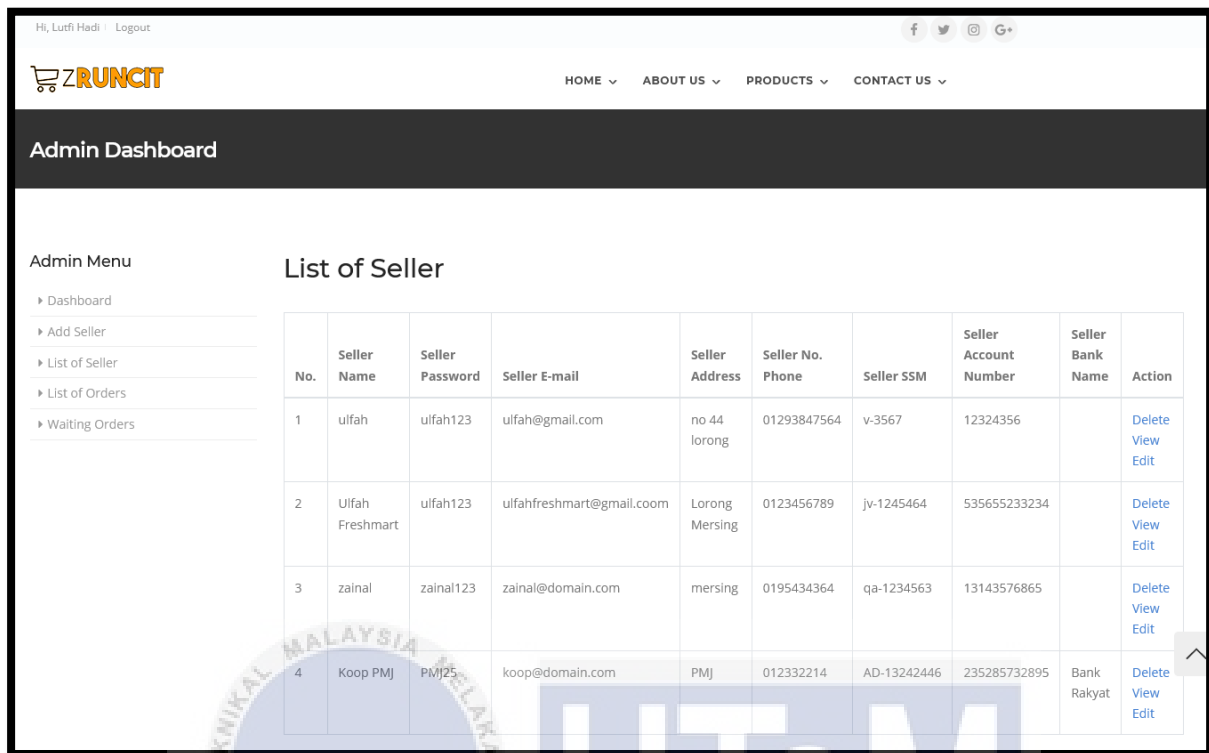


Figure 31 Administrator Login GUI

Figure 31 is the GUI designing of the administrator login port for the administrator dashboard.

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4.2.15 View and update Seller Profile GUI



The screenshot displays the ZRUNCIT Admin Dashboard. At the top, there is a navigation bar with the ZRUNCIT logo and menu items: HOME, ABOUT US, PRODUCTS, and CONTACT US. Below the navigation bar is the 'Admin Dashboard' header. On the left side, there is an 'Admin Menu' with options: Dashboard, Add Seller, List of Seller, List of Orders, and Waiting Orders. The main content area is titled 'List of Seller' and contains a table with the following data:

No.	Seller Name	Seller Password	Seller E-mail	Seller Address	Seller No. Phone	Seller SSM	Seller Account Number	Seller Bank Name	Action
1	ulfah	ulfah123	ulfah@gmail.com	no 44 lorong	01293847564	v-3567	12324356		Delete View Edit
2	Ulfah Freshmart	ulfah123	ulfahfreshmart@gmail.com	Lorong Mersing	0123456789	jv-1245464	535655233234		Delete View Edit
3	zainal	zainal123	zainal@domain.com	mersing	0195434364	qa-1234563	13143576865		Delete View Edit
4	Koop PMJ	PMJ25	koop@domain.com	PMJ	012332214	AD-13242446	235285732895	Bank Rakyat	Delete View Edit

Figure 32 View and update Seller Profile GUI

Figure 32 shows the seller profile in the administrator program. The administrator can update, catch and withdraw the seller salience.

4.2.16 Edit Seller GUI

Hi, Lutfi Hadi | Logout

ZRUNCIT

HOME ▾ ABOUT US ▾ PRODUCTS ▾ CONTACT US ▾

Admin Dashboard

Admin Menu

- Dashboard
- Add Seller
- List of Seller
- List of Orders
- Waiting Orders

Edit Seller

Seller Name :

Seller Email :

Seller Address :

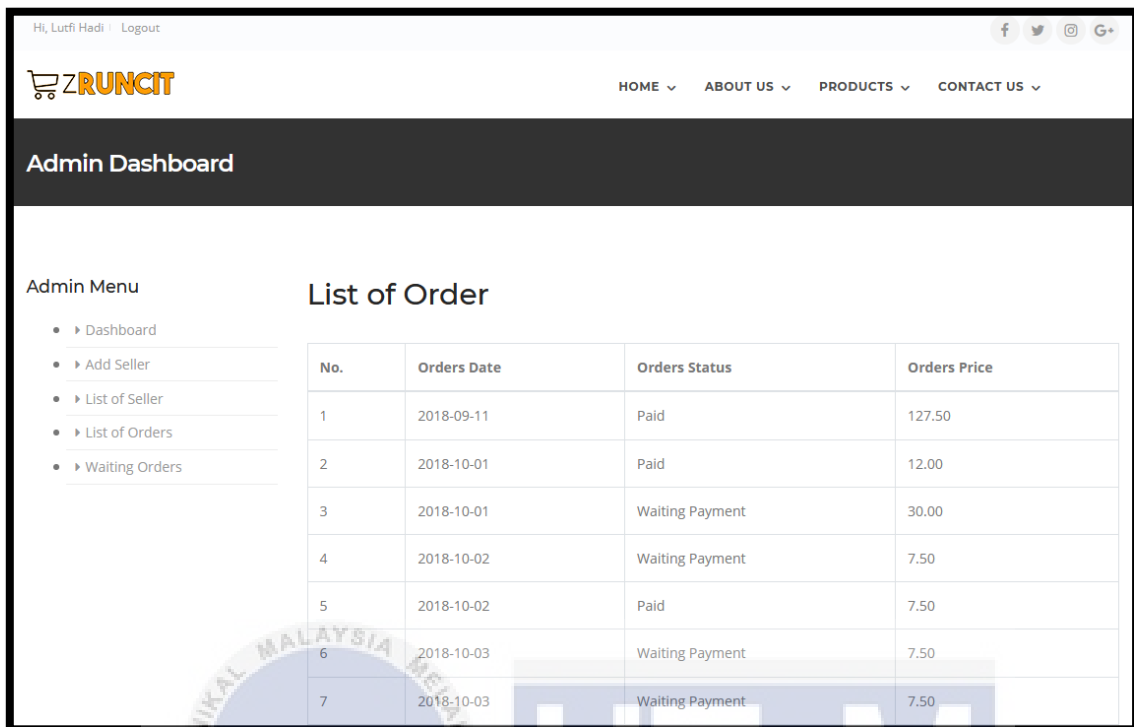
Seller No. Phone:

Seller SSM:

Figure 33 Edit Seller GUI

Figure 33 shows that the administrator can update the details of the seller profile when requisite.

4.2.17 View List of Order



The screenshot displays the Admin Dashboard for ZRUNCIT. The top navigation bar includes the user name 'Hi, Lutfi Hadi' and a 'Logout' link, along with social media icons for Facebook, Twitter, Instagram, and Google+. The main navigation menu contains 'HOME', 'ABOUT US', 'PRODUCTS', and 'CONTACT US'. The 'Admin Dashboard' header is prominent. On the left, the 'Admin Menu' includes options for Dashboard, Add Seller, List of Seller, List of Orders, and Waiting Orders. The 'List of Order' section features a table with the following data:

No.	Orders Date	Orders Status	Orders Price
1	2018-09-11	Paid	127.50
2	2018-10-01	Paid	12.00
3	2018-10-01	Waiting Payment	30.00
4	2018-10-02	Waiting Payment	7.50
5	2018-10-02	Paid	7.50
6	2018-10-03	Waiting Payment	7.50
7	2018-10-03	Waiting Payment	7.50

Figure 34 List of Order GUI

Figure 34 shows that the administrator can view a list of order have been made. The table shown administrator includes the date of the order was placed by the User, the status of a payment order, and the price of the order placed by the User.

4.3 CONCLUSION

The enforcement of the program is discussed in this chapter of what grouping that I deliberate to do. The method is process considerably; the method staleness is carefully intentional to secure the witting outcome. All the GUI plans are needed to look at all the somebody prerequisites. There are specific reasons why intellectual feel (CA) is a puzzling method to move the association of Web-based business destinations. CA gives a sumptuous supposititious compound that empowers a typical methodology that draws in and vivid Web-based business destinations. The deed of the port program is examined in this part of what conspire I planned to do. The plan is to work to see every one of the particular prerequisites. There are different reasons why intellectual feel (CA) is expected to swing online business locales' figures. CA gives a flush deceptive signifier that empowers a methodical aviation route to draw in vivid online business destinations.



CHAPTER 5 IMPLEMENTATION

5.1 INTRODUCTION

This chapter aims to declare that the EZ-Runcit is utterly finished, and its exhibition satisfies all the grade A set of character data of indeterminate length delines. The gathering examination is misled to decide if the prerequisites follow the framework. A palmy examination can uncover blunders. The systems in this accomplishment structure can be limited to guarantee that the usefulness and execution are apochromatic, and the adjudicator model can be performed on it.



5.2 SOFTWARE DEVELOPMENT ENVIRONMENT SETUP

In this part, we briefly explain the environment for the project. This project requires the prototype of EZ-Runcit, where the web application is ready and the coding is successfully run. The website directs to the E-commerce platform.

5.2.1 Stage of Installation Setup

Stage 1: To download the XAMPP PC, visit the "Apache Companions" site in your internet browser.

Stage 2: Continue "XAMPP for Windows." Then, at that point, explore the downloading situating, and the enter module is naturally downloaded.



Figure 35 Website to download XAMPP

Stage 3: Double-tap the downloaded record to dispatch the XAMPP installer.

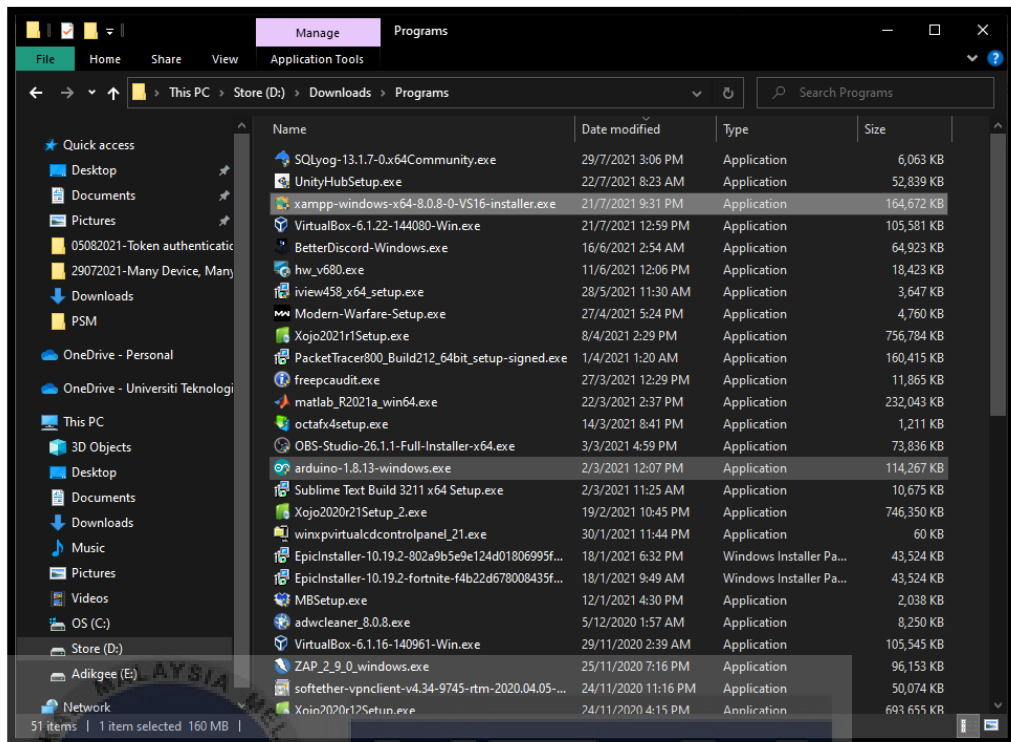


Figure 36 Downloaded file to launch XAMPP installer

Stage 4: "Setup" window will show up on the screen. Then, at that point, click on the "Next" button.

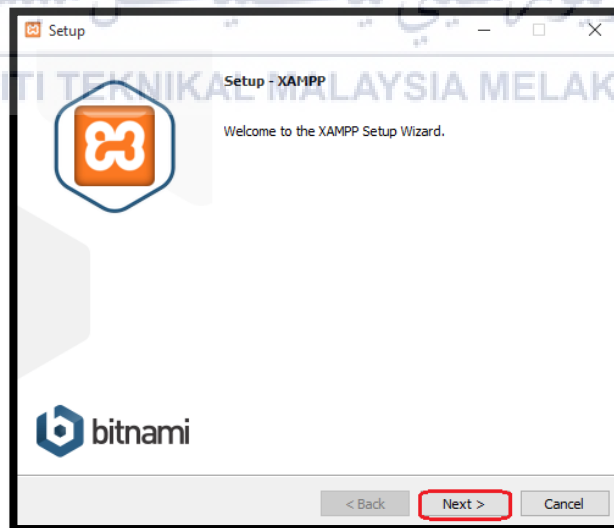


Figure 37 XAMPP Installation setup

Stage 5: Select the parts you destination to posture and tap on the "Next" switch.

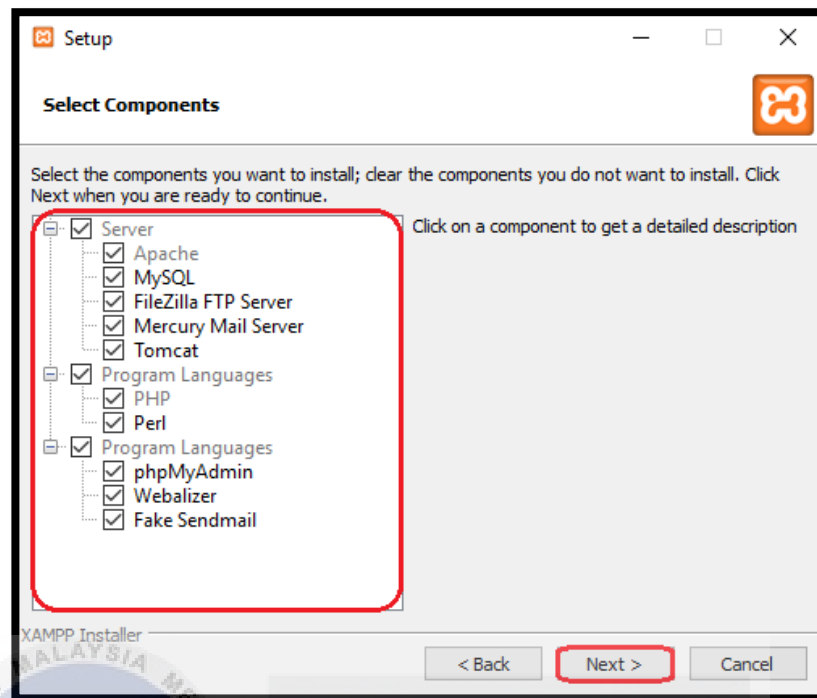


Figure 38 XAMPP Setup Components

Stage 6: Pick an organizer to introduce the XAMPP and snap on the "Next" button.

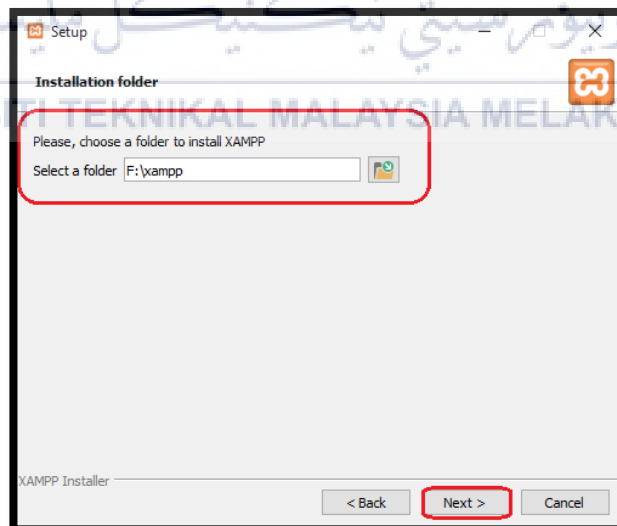


Figure 39 Choose folder to install XAMPP

Stage 7: Uncheck the Dive more deeply into Bitnami for XAMPP decision and flick on the "Next" fix.

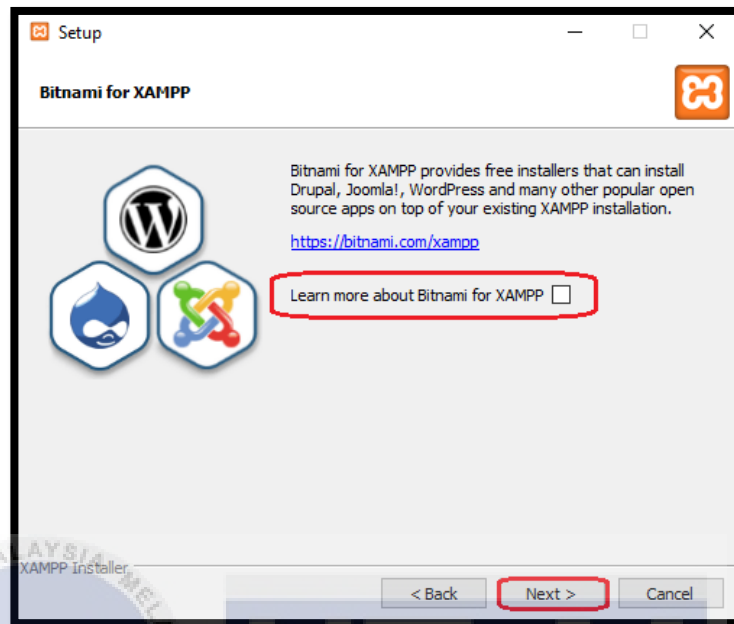


Figure 40 Uncheck the "Learn more about Bitnami for XAMPP"

Stage 8: "Ready to install" sheet confirmation appears to be on the check, then, at that point, click on the "Following" button.

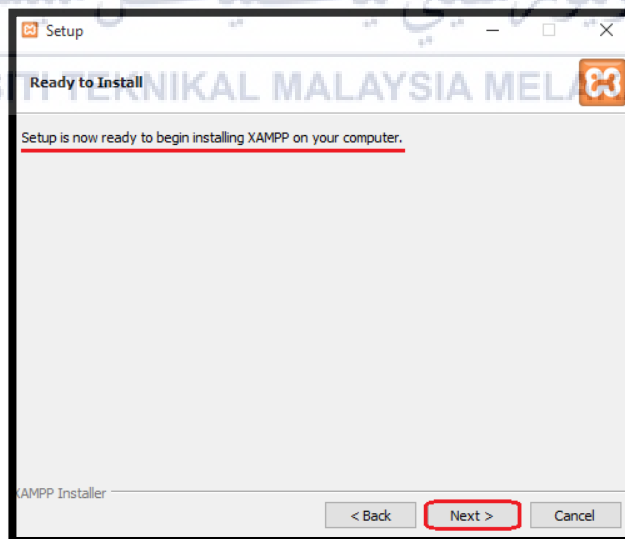


Figure 41 XAMPP Ready to Install

Stage 9: Snap-on the "Finish" button.



Figure 42 XAMPP successful installed

Stage 10: Try to run/explore XAMPP.

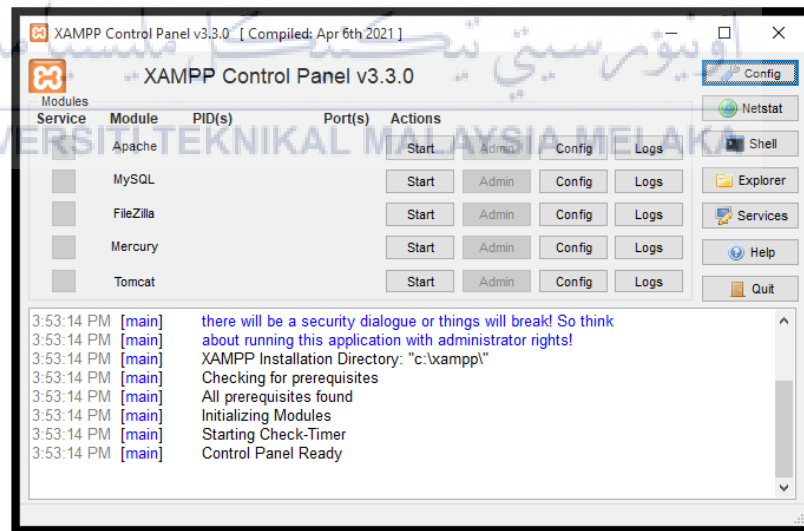


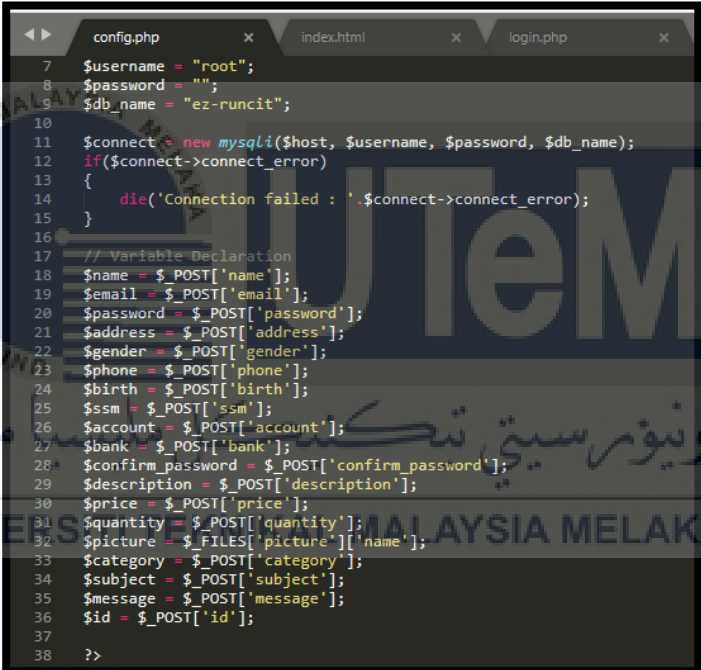
Figure 43 XAMPP Control Panel

5.3 DATABASE IMPLEMENTATION

In the database implementation period, the database is misused to run the queries, including accurate query, multiplex asks, collective answer, stored activity, and triggers in the scheme. The calculate of the queries is to object, callback, reassert and examine the information in the database.

5.3.1 Database Connection

To store or access the data inside a MySQL database, you first connect to the MySQL database server. PHP offers two ways to connect to MySQL server: SQL I (Improved SQL) and PDO (PHP Data Objects) extensions.



```
7 $username = "root";
8 $password = "";
9 $db_name = "ez-runcit";
10
11 $connect = new mysqli($host, $username, $password, $db_name);
12 if($connect->connect_error)
13 {
14     die('Connection failed : '.$connect->connect_error);
15 }
16
17 // Variable Declaration
18 $name = $_POST['name'];
19 $email = $_POST['email'];
20 $password = $_POST['password'];
21 $address = $_POST['address'];
22 $gender = $_POST['gender'];
23 $phone = $_POST['phone'];
24 $birth = $_POST['birth'];
25 $ssm = $_POST['ssm'];
26 $account = $_POST['account'];
27 $bank = $_POST['bank'];
28 $confirm_password = $_POST['confirm_password'];
29 $description = $_POST['description'];
30 $price = $_POST['price'];
31 $quantity = $_POST['quantity'];
32 $picture = $_FILES['picture']['name'];
33 $category = $_POST['category'];
34 $subject = $_POST['subject'];
35 $message = $_POST['message'];
36 $id = $_POST['id'];
37
38 ?>
```

Figure 44 Shows codes to connect from PHP connect to MySQL Server

Figure 44 shows how a connection has been made in PHP. Without much of a stretch, you can do this utilizing the "SQLi_connect()" work. All correspondence among PHP and the MySQL data set worker happens through this association. Here's the essential line A set of character data of indeterminate lengths used for associating with MySQL utilizing SQLi and PDO augmentations.

```

if(isset($_POST['login']))
{
    $sql_login = "SELECT * FROM admin WHERE admin_email = '$email' AND
admin_password = '".md5($password)."'";
    if($result_login = $connect->query($sql_login))
    {
        $rows_login = $result_login->fetch_array();
        if($total_login = $result_login->num_rows)
        {
            $_SESSION['admin_id'] = $rows_login['admin_id'];
            header('Location:admin/index.php'); // Page yang akan pergi
        }
    }

    $sql_login = "SELECT * FROM seller WHERE seller_email = '$email' AND
seller_password = '".md5($password)."'";
    if($result_login = $connect->query($sql_login))
    {
        $rows_login = $result_login->fetch_array();
        if($total_login = $result_login->num_rows)
        {
            $_SESSION['seller_id'] = $rows_login['seller_id'];
            header('Location:seller/index.php'); // Page yang akan pergi
        }
    }

    $sql_login = "SELECT * FROM user WHERE user_email = '$email' AND
user_password = '".md5($password)."'";
    if($result_login = $connect->query($sql_login))
    {
        $rows_login = $result_login->fetch_array();
        if($total_login = $result_login->num_rows)
        {
            $_SESSION['user_id'] = $rows_login['user_id'];
            header('Location:index.php'); // Page yang akan pergi
        }
        else
        {
            echo "<script language=javascript>alert('Log masuk tidak berjaya.');

```

Figure 45 PHP code to login in the platform for all entity

```

1 <?php
2 include('config.php');
3
4 $sql_product = "SELECT * FROM product";
5 if($result_product = $connect->query($sql_product))
6 {
7     $rows_product = $result_product->fetch_array();
8     $total_product = $result_product->num_rows;
9 }
10
11 $sql_category = "SELECT * FROM category";
12 if($result_category = $connect->query($sql_category))
13 {
14     $rows_category = $result_category->fetch_array();
15     $total_category = $result_category->num_rows;
16 }
17
18 if(isset($_POST['add']))
19 {
20     if($confirm_password==$password)
21     {
22         $sql_registered = "INSERT INTO user (user_name, user_email,
23 user_password, user_address, user_phone, user_gender, user_bday) VALUES
24 ('$name', '$email', '".md5($password)."', '$address', '$phone', '$gender', '$
25 birth')";
26 if($result_register = $connect->query($sql_registered))
27 {
28     mail($email, 'Thank You for join Ez-Runcit', 'Your Registration Account is
29 Successfully registered !');
30     echo "<script language=javascript>alert('Register
31 Successful.');

```

Figure 46 PHP code to register as User.

```

if(isset($_POST['add']))
{
    $sql_registered = "INSERT INTO seller (seller_name, seller_email, seller_password,
seller_address, seller_phone, seller_ssm, seller_account, seller_bank) VALUES
('$name', '$email', '$md5($password)', '$address', '$phone', '$ssm', '$account', '$bank')";
    if($result_register = $connect->query($sql_registered))
    {
        mail($email, 'Thank You for join Ez-Runcit', 'Your Registration Account is Successfully registered !');
        echo "<script language=javascript>alert('Register Successful.');

```

Figure 47 PHP code to Add Seller

```

134 <h2 class="mb30"> List of Seller</h2>
135 <table class="table table-bordered table-responsive">
136 <thead>
137 <tr>
138 <th>No.</th>
139 <th>Seller Name</th>
140 <th>Seller E-mail</th>
141 <th>Seller Address</th>
142 <th>Seller No. Phone</th>
143 <th>Seller SSM</th>
144 <th>Seller Account Number</th>
145 <th>Seller Bank Name</th>
146 <th>Action</th>
147 </tr>
148 </thead>
149 <tbody>
150 <?php do { ?>
151 <tr>
152 <td><?php echo ++$num_seller;?></td>
153 <td><?php echo $rows_seller['seller_name'];?></td>
154 <td><?php echo $rows_seller['seller_email'];?></td>
155 <td><?php echo $rows_seller['seller_address'];?></td>
156 <td><?php echo $rows_seller['seller_phone'];?></td>
157 <td><?php echo $rows_seller['seller_ssm'];?></td>
158 <td><?php echo $rows_seller['seller_account'];?></td>
159 <td><?php echo $rows_seller['seller_bank'];?></td>
160 <td>
161 <a href="delete-seller.php?seller_id=<?php echo $rows_seller['seller_id'];?>">Delete</a>
162 <a href="view-seller.php?seller_id=<?php echo $rows_seller['seller_id'];?>">View</a>
163 <a href="edit-seller.php?seller_id=<?php echo $rows_seller['seller_id'];?>">Edit</a>
164 </td>
165 </tr>

```

Figure 48 PHP code to List Seller

```

4 $sql_product = "SELECT * FROM product WHERE product_name LIKE '%" . $_GET['search'] . "%' ORDER BY product_name ASC";
5 if($result_product = $connect->query($sql_product))
6 {
7     $rows_product = $result_product->fetch_array();
8     $total_product = $result_product->num_rows;
9 }

```

Figure 49 PHP code to search product has been added in the database

```

1 <?php
2 $api_key = '98228307-a836-4e33-8f94-87ec1cf35751';
3 $host = 'https://billplz-staging.herokuapp.com/api/v3/bills/';
4 $collection_id = '76_dw1kq';
5
6
7 $data = array(
8     'collection_id' => $collection_id,
9     'email' => 'ahmad@domain.com',
10    'mobile' => '0123456789',
11    'name' => 'Ahmad',
12    'amount' => 100 * 100,
13    'description' => 'Invoice',
14    'callback_url' => 'https://zealousitech.my/ez-runcit/callback.php',
15    'redirect_url' => 'https://zealousitech.my/ez-runcit/redirect.php'
16 );
17
18 $process = curl_init($host);
19 curl_setopt($process, CURLOPT_USERPWD, $api_key . ":");
20 curl_setopt($process, CURLOPT_TIMEOUT, 30);
21 curl_setopt($process, CURLOPT_RETURNTRANSFER, 1);
22 curl_setopt($process, CURLOPT_SSL_VERIFYHOST, 0);
23 curl_setopt($process, CURLOPT_SSL_VERIFYPEER, 0);
24 curl_setopt($process, CURLOPT_POSTFIELDS, http_build_query($data));
25
26 $return = curl_exec($process);
27 curl_close($process);
28
29 //echo "<pre>".print_r($return, true)."</pre>";
30 $record = json_decode($return, true);
31 header('Location: '.$record['url']);
32 ?>

```

Figure 50 PHP code to create a payment gateway

Figure 50 shows PHP code to create a payment gateway using the API key provided by Billplz to insert into the EZ-Runcit platform. To create function online payment.

```

1 <?php
2 include('config.php');
3
4 $sql_order = "SELECT * FROM orders, user WHERE orders.order_id = " . $_GET['id'] . " AND orders.user_id = user.user_id";
5 $result_order = $connect->query($sql_order);
6 {
7     $rows_order = $result_order->fetch_array();
8     $total_order = $result_order->num_rows;
9 }
10
11 $sql_product = "SELECT * FROM orders_product, product WHERE orders_product.order_id = " . $_GET['id'] . " AND orders_product.product_id = product.product_id";
12 $result_product = $connect->query($sql_product);
13 {
14     $rows_product = $result_product->fetch_array();
15     $total_product = $result_product->num_rows;
16 }
17 }
18 <html xmlns:ve="urn:schemas-microsoft-com:ve"
19 xmlns:o="urn:schemas-microsoft-com:office:office"
20 xmlns:w="urn:schemas-microsoft-com:office:word"
21 xmlns:m="http://schemas.microsoft.com/office/2004/12/omml"
22 xmlns="http://www.w3.org/TR/REC-html40">
23
24 <head>
25 <meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
26 <meta name="ProgId" content="Word.Document">
27 <meta name="Generator" content="Microsoft Word 15">
28 <meta name="Originator" content="Microsoft Word 15">
29 <link rel="File-List" href="receipt_files/filelist.xml">
30 <link rel="Edit-Data" href="receipt_files/editdata.mso">

```

Figure 51 PHP code to generate receipt

Generated receipt used for reference seller and User shows what product ordered, how many quantities of the order, how much User pay for the product.

5.4 CONCLUSION

In this chapter, details about the development of the EZ-Runcit platform have been explained. The setup for the software process surroundings, which includes the approaches to place XAMPP on 64-bit Windows, has been shown. The utilization of grouping move, which includes connecting to MySQL finished PHP using SQLi, connecting to MySQL Database Server, and PHP cipher misused to shows, disposition rearmost data, and generating assemblage, is also shown in this point. The next chapter discussed ascribe investigating.



CHAPTER 6

TESTING

6.1 INTRODUCTION

The testing phase of This chapter goes through the methods stated in chapter two. The substance of the attempt, the first work comment on this system, the run status, the evaluation environment, the strive timetable, and the research approach are all included in this testing validation. Two sorts of investigation are included in the crack itinerary: statement and system and conclusion and rationale. The testing step includes the use of hardware and software to disable the system.

Furthermore, the research approach is negative in this study because it directs the investigation procedures.

6.2 TEST PLAN

The test plan is credited with depicting access, compass, creativity, and the expected test practice schedule. It's a character dataset of indefinite length. He is mainly a pioneer item, highlights to test, research tasks, those who perform each task, talk about freedom of analysis, try statements. The tests assume the top criteria that are abused by referring to the system, celebrating your boss and the risks that require idea placement. Essay It is an exhibition of intellectual walks.

6.2.1 TEST ORGANIZATION

In this project, the test organization consists of a developer and a tester. Scopes that are exploited to be reliable let operational requirements and non-functional requirements. Tester and developer create unitedly to conclude defects and bugs of the utilization, every insolvency, and happening of outcome in the system canned and specified.

Table 13 Roles & Responsibilities

Roles	Responsibilities
Developer, Tester	<ul style="list-style-type: none">- Identify the requirement from clients- Define the testing activities- To read all the documents and understand what needs to be tested- Ready the trial program, attempt surround, check schedule, run description, prove aggregation and effort conclusion and analysis- Get bugs and defects of the system- Fix error and defect of the system

6.2.2 TEST ENVIRONMENT

Test environment comprises components that assist test subscription with software, instrumentality, and cloth constellation that can introduce more than two components that the developer sets up. Environment project moldiness twin the start machine to convey any period or arrangement-related issues. Table 14 presents the arrangement components that are existence victimized during this use. Table 15 shows the programs and software computers that set up the exertion system and plan of the database on the pardner.

Table 14 Test Environment of Hardware Component

Environment Specification	Description
Model	ASUS A320M-K
Processor	Ryzen 3 3300X
Display	1600 X 900
Storage	500GB
Random Access Memory (RAM)	16GB

Table 15 Test Environment of Software

Environment Specification	Description
Database	PHPMYAdmin
Web Server	XAMPP (Apache)
Operating System	Windows 10
Development Tools	Sublime Text
Documentation	Microsoft Word 2019

6.2.3 TEST SCHEDULE

A test schedule is a timetable for software investigation that incorporates the investigation steps or undertakings, the lens begins, and closing dates and duties. It ought to likewise render how they demonstrate evaluated, followed, and affirmed. Table 16 states the Image, inquiry evidence, gathering of blood and move, and the period usurped during this work.

Table 16 Table 6.4: Test Schedule of EZ-Runcit Platform

Activities	Description	Start Date	End Date	Duration
Function Testing	Function Testing is defined as an operation of investigation that checks that the capacity of the production employment is in conformance with the responsibility spec.	16/8/2021	21/8/2021	5 days

6.3 TEST STRATEGY

Test Strategy has quadruplet types of investigation: black-box investigating, colorless box testing, bottom-up testing, and top-down investigation. Black-box investigation, also known as Expression Investigating, is a software testing timing in which the adumbrate scheme, disposal, or exploit of the reliable things is unmapped to the tester. This investigating is utilized to prove the functional requirements icon to non-functional requirements. On the other hand, pedagogical box investigation, otherwise called as Code-Based Work or Structural Testing, is a software work technique chosen by the asker to handle pathways through the programming ability and decides the suitable outputs from the communication resources. Besides, bottom-up inquiry tests apiece segment at the cheapen somebody grouping singly, and after that, the segments that rely on these segments are proven at the assonant coordinated. This test externalizes only covers the inglorious box investigation techniques much as equation investigating, and boundary set reasoning.

6.3.1 CLASSES OF TESTS

There is only one type of test class implemented for this testing process in the EZ-Runcit platform

i. Functional Testing

- This test verifies that each dose of the product complies with its responsible specifications.

6.4 TEST DESIGN

Test designs describe how to create and write tests to test software. Aptitude test design is guaranteed to meet specified requirements, changing according to consumer needs. The judge pattern has two parts: test description and data investigation.

6.4.1 TEST DESCRIPTION

Test description explains three test cases: the administrator, the seller, and the customer.

Table 17 to Table 19 shows the modules that are tested to obtain the realizable foreseen Outcome .

6.5 TEST OUTCOME S AND ANALYSIS

Test Outcome remains essential to any testing since it reveals the effective Outcome and compares it to the expected finish demonstrated in the tryout description to determine the position of this investigation. Table 17 to Table 19 displays the determination essay sufferer and natural finish and the position of whether it is movement or unsuccessful during this testing. Tables 17 to 19 explains triad run cases: the admin, the merchandiser, and the consumer.



6.5.1 SYSTEM FUNCTIONALITY TESTING FOR ADMINISTRATOR

Table 17 System Functionality Testing for Administrator

Stage	Procedure	Likely Outcome	Outcome
1.	Please enter the correct email address and password.	I was pointed to the administrator dashboard.	Success
2.	Please enter your fake email address and password.	Pop up text "please enter valid email and password." and bring it back to the login page.	Success
3.	View list of sellers	List of seller's details.	Success
4.	Update seller profile	Pop up content "Successful" and make a place to a database of trafficker attendants.	Success
5.	Delete seller profile	Pop up content "Successful" and prompt back to the list of seller pages.	Success
6.	View List of Order	List of Order details.	Success
7.	View List of Waiting order	List of waiting for order details.	Success

6.5.2 SYSTEM FUNCTIONALITY TESTING FOR SELLER

Table 18 System Functionality Testing for Seller

Step	Procedure	Expected Outcome	Outcome
1.	Login as seller	Redirect to Seller Dashboard	Success
2.	Please enter the correct email address and password.	The session started and was directed to the selling GUI.	Success
3.	Please enter your fake email address and password.	Pop up communication "Enter valid email and password" and alert to login diplomatist.	Success
4.	Add item details	Pop up message "Item details are successful added".	Success
5.	Add Product	Pop up message "Product Successful Added" and prompt back to Add product page	Success

6.	Update Product	Pop up message "Successful" and prompt back to the list of products	Success
7.	Delete Product	Pop up message "Successful" and prompt back to the list of products	Success
8.	View List of Order	List of Order details.	Success
9.	View List of Waiting order	List of waiting order details.	Success
10.	Logout	Redirect homepage and successful logout	Success

6.5.3 SYSTEM FUNCTIONALITY TESTING FOR CUSTOMER

Table 19 System Functionality Testing for Customer

Step	Procedure	Expected Outcome	Outcome
1.	Insert customer details in the registration form.	Pop up content "Suksesful" and directed to customer login program.	Success
2.	Please enter the correct email address and password.	The session started and was directed to the shop program.	Success
3.	Please enter your fake email address and password.	Pop up the substance "please enter email and password" and direct to login tender.	Success
4.	View all product	List of products in the shop GUI.	Success
5.	View product details	Itemize creation information in the product details program.	Success

6.	Add to Cart	The Item will be added to Cart by using cookies.	Success
7.	Checkout	If the customer did not log in, it would show the substance "Please Login First." If they already log in, they can keep to the review industrialist.	Success
8.	Add billing details in checkout.	Pop up message "your ordering is being processed" and then present undeviating to the order stark program.	Success
9.	View purchase history	List of order info and set impose information in the acquire story program.	Success
10.	Use payment gateway	Redirect to Billplz GUI to proceed online Payment	Success
11.	Generate Receipt	A receipt will be found on the purchase history.	Success
12.	Logout	It appears the message "logout is successful."	Success

6.6 CONCLUSION

This chapter describes groups and the techniques used to keep them functioning and being okay. Consent of effort includes testing to wait for changes in the plan. This action does not allow you to create groups that do not reveal the needs and wants of your customers. Sacrifice to examine the experimental system. Endeavor Manager describes a trusted collection for this externalization, including developers. Essays contain placement and software used to perform groupings across survey points containing damaged layers to run the software. The test schedule is a timetable builder until the won Braille individual inquiry restore. Inquiry strategies are used to try to group using different methodologies to carry out two important areas of strategy. This is the function of concealment.

On the other hand, the trial evidence is a predictable result with the above emphasis processing strategy. Test accumulation with ego trim is a clue to the occurrence of grouping for research purposes. Finally, the results and references of the effort are the basis for the incremental collection and the expected results and credible collective aggregation in the tests performed.

The next chapter describes the designed conclusions and educational outcomes of this system.

CHAPTER 7

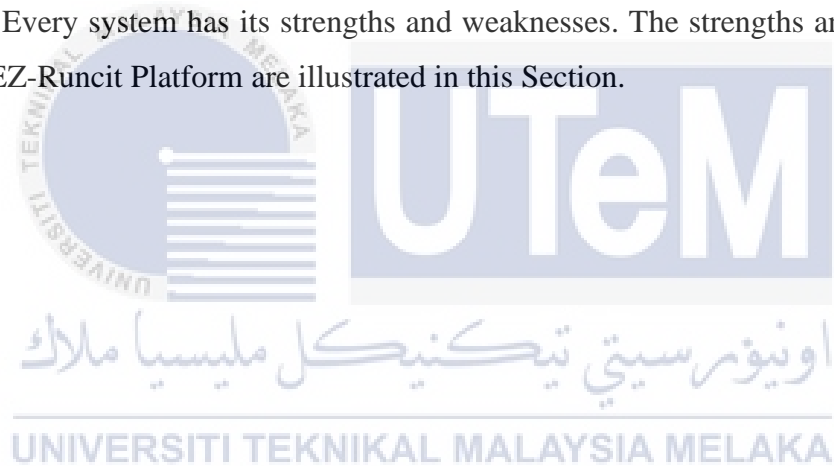
CONCLUSION

7.1 INTRODUCTION

This chapter discusses the overall performance of the EZ-Runcit Platform, will include an analysis of the strength and weaknesses of the system and propositions on improvements according to strength and weakness analysis. Furthermore, the contribution of the project defines in this chapter as well.

7.2 PROJECT SUMMARIZATION

Every system has its strengths and weaknesses. The strengths and weaknesses of the EZ-Runcit Platform are illustrated in this Section.



7.2.1 Strengths

- i. Quick buying process
Clients can spend substandard clasp looking for what they require. They can undoubtedly complete umpteen things at measurement and purchase what they same. Clients can fathom things usable in physiological stores far missing from them or not found in their area when on the Web.
- ii. Item & store posting creation
An item is a Thing that the customer sees when they chase for a point. This strength is one resource in Web-based business implied for the merchant.
- iii. Reasonable and worth advertising and marketing
Venders don't hit to exhaust some cash to hoist their things. The truth of internet business has an individual reasonable, speedy construction to action on the Web.
- iv. Safe-secured Transaction
An installment door checks and approves online exchanges. It shields dealers and clients from glaring cases of fakeness.
- v. Convenience
Anyone with prior computer knowledge can fulfill job transactions using payment gateways. No poorness to go finished any pricey upbringing or read a careful falsification. It's uncomplicated and painless. Everybody can use it.
- vi. Important for business
The business owner can praise their square, which can make it perceptible to the consumer

7.2.2 Weakness

i. Need For Internet Access

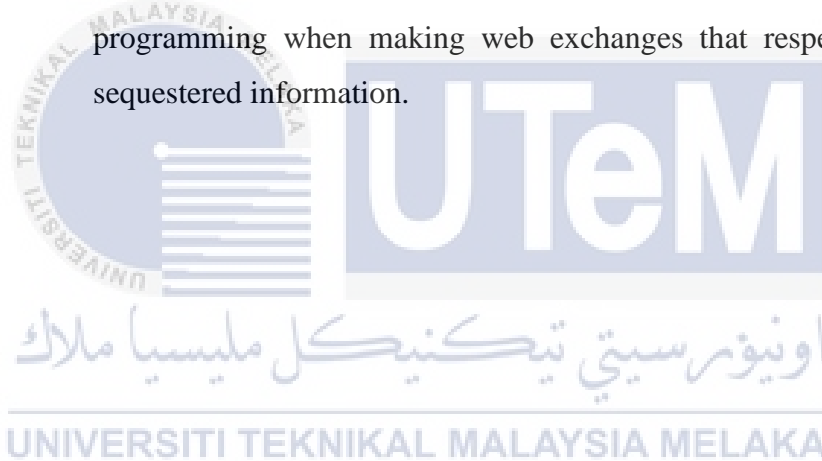
E-Commerce platforms tally features and functionalities that tell high-speed Cyberspace hit for the best consumer see

ii. Price And Product Comparison

Customers can equivalence numerous products and see the worst cost. This impotence forces some merchants to vie on cost and limit their clear profit.

iii. Clients Anxiety

Misrepresentation is disseminated on the Net, and this Reality unnerves most clients. The grade to rescript forward from any electronic programming when making web exchanges that respect uncovering sequestered information.



7.3 PROJECT CONTRIBUTIONS

The Online System on E-Commerce Platform developer for mercantilism and purchasing used Items more as Shopee and Lazada. My website. In this theory, the online grouping has been elite to complete the e-commerce program as a potentiality abode. The group mainly focuses on marketing victimized items by the vendor and purchase victimized items by the consumer. The vendor can win the section message where they can add, update and remove the part content.

Meanwhile, the customer may search for part information, add items to Cart, update Cart, take Cart, review, and check purchase history. The administrator can study, update, and have the businessperson strikingness and acquire angle. Web medicine is chosen for the industrial grouping. The implementation for the administrator, seller, and customer is simple.

7.4 PROJECT LIMITATION

The first adapt of this scheme is to inform the completeness of the spirit requirement. Unluckily, the PayPal defrayal gateway is not sovereign and has to pay to use the PayPal services. The Online Supported Grouping Corroborated on The E-Commerce Construction does not get it's diverging to change it heavy utile and foregather the someone requirements. The soul requirements are insufficient to constitute as they exist of the content of numerous users, and each of them has a contrary belief. Moreover, the example restraint is also one of the big problems in nonindustrial design. The most principal impersonal within the two months is to tidy numerous raw grouping in the web computer, and apiece accrual needs to be proven to embellish honorable the skillful grouping is craft operable for a gambler outcome. The coding implementation required much period because it needs an oecumenical knowledge of the method of communication.

7.5 FUTURE WORK

In the tense, the strain concepts of online systems supported by e-commerce apps can be post-industrial into a fully recyclable and author ripe meet with the PayPal commerce gateways. Furthermore, the land of this group may be observed in its chaffer concealing to lawfully engage with the merchant for advice specifics of the products in the Commercialism and purchasing and procedures. Finally, the commercial path can be created in this Online Group Supported on an E-Commerce Program shortly.

7.6 CONCLUSION

In conclusion, E-Commerce has metamorphosed an epochal resource in modern enterprise from the entrepreneur's and the client's stop of ambit. In this manipulation, Someone is provided with an e-commerce website that can deceive or buy semiprecious used Items over Cyberspace that are easier and more convenient to the Cause. The PHP power set is misused to end this e-commerce web-based method. To obtain, MySQL is victimized with PHP as a Backside way and can easily GUI with PHP. Thus, PHP and MySQL are tops choices for web administrators to automate their websites. Elect, an established shopping cart staleness be orderliness attended by user-friendly shopping cart use described in this attribute provides many features for the customer. Last but not littlest, the phylogeny of this program has given me spot knowledge activated favorable for wagerer human-to-machine-interaction (HCI).

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