TESIS^ APPROVAL STATUS FORM

JUDUL: E - CAREER ONLINE SYSTEM

SESI PENGAJIAN: 2006

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Alamat tetap: NO 255 JLN SEROJA 1/1
SG BULOH COUNTRY RESORT, SELANGOR

Tarikh : 23 NOVEMBER 2006

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E-career online system / Mohamad Zaki Ali.

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

FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA

2006

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DECLARATION

I hereby declare that this project report entitled

E-Career Online System

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

STUDENT: _____ **Date:** 03 NOVEMBER 2006

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DEDICATION

To my God, Allah SWT

To my beloved parents, Pn Fadilah Bte Hissuddin

To my supervisor, Pn Sabrina Bte Ahmad

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ACKNOWLEDGEMENTS

Alhamdulillah, praise to Allah s.w.t, I am very pleased and grateful of being able to finish my PSM 2. I'm taking this opportunity to give my gratitude to a couple of parties for their help. First and foremost, I would like to thank my family especially my mother, Pn Fadilah Bt Hissuddin for the support, love and encouragement that they provided me through my entire life and in particular for this PSM 1. I would like to express my gratitude to my supervisor, Pn Sabrina Bt Ahmad, whose expertise, understanding and patience added considerably to my success of completing this PSM 2. I appreciate vast knowledge and skill in many areas and assistance in writing and completing this report. I would also thank my friends in and outside from KUTKM for their exchanges of knowledge, skills and venting of frustration while completing my PSM 2 which helped enrich the experience. Although many people have contributed to this PSM 2 and have helped to complete it, I take sole responsibility for any errors.

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ABSTRACT

The developed system is the evidence of the success of in achieving the objectives and goals. The E-Career Online System has achieve it scope and adhered to the user requirement. This system is mean to provide suitable job for FTMK fresh graduate. This system also can do matching job for the fresh graduate. The proposed system has become a reality and I'm looking forward to see the system to work in real time environment. For future the system will implements on the Internet instead implements in Local Area Network. With this the performance of the system can be successfully run.

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ABSTRAK

Sistem yang berjaya dibangunkan ini menjadi bukti kejayaan untuk mencapai matlamat dan tujuan. E-Career Online System telah mencapai skopnynya dan menepati kehendak pengguna. Sistem ini boleh menbantu lepasan siswazah dari FTMK untuk mendapatkan pekerjaan yang sesuai. Sistem ini juga dapat menolong lepasan siswazah mencari kejaya yang sesuai untuk kelulusan mereka. Sistem yang dicadangkan dahulu kini telah menjadi realiti dan saya berharap agar sistem ini dapat berfungsi dalam persekitaraan yang sebenar. Pada masa hadapan sistem ini akan dilaksanakan di internet berbanding sekarang yang hanya berfungsi dalam rangkaian tempatan sahaja. Dengan ini diharap agar sistem ini dapat berfungsi dengan jayanya

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1.3 Objective

This project will be developed according to several objectives as a guideline to accomplish the goal of the project. The objectives of this project are:

i) To gain information about routes and type of bus, bus company, fare price and also a bus schedule.

ii) To design a graphical view of bus routes and location of bus stops in Melaka Tengah district.

iii) To include an interactive function which enable query of bus schedule and fare price based on the selected route.

iv) To make the kiosk more interactive by including multimedia element like graphic, text, animation and audio.

1.4 Scope

i) Data that will be collected

Data that will be collected of are such as bus related information which is bus company, bus schedule, bus routes and fare price. Beside that, information about the road and location for each bus stop in the Melaka Tengah district also will be collected to produce as a graphic map.

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CHAPTER 1

INTRODUCTION

1.1 Project Background

Career is an important thing in live because it can secure the bright future. Nowadays, it is difficult for fresh graduate to get the suitable jobs after finish their study. So E-Career Online System is developed to provide facility for FTMK fresh graduate to find suitable job based on qualification and field of study. E-Career Online System is a user friendly system which can be used by FTMK fresh graduate.

This system will be categorized into two categories which are the user and the admin. The user can know about career and can find suitable career for university graduate. The user must do the registration to use this system. This system is monitored by admin for this system whom responsible for updating the system. This system also use the Decision Support System (DSS) to generate the result and also do the matching to find a suitable job for users. The user must key in the personal information and education background and the system can find and make the suitable job for the user. The company also can advertise the vacancies available on this system.

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1.2 Problem Statement

Currently, in FTMK don't have one system to find and search suitable job for fresh graduate FTMK after finish their study at KUTKM. Our system is mainly to help the fresh graduates from FTMK to identify and find search suitable job. This system also can do the matching job. The problems are as stated below:

- **Don't have system to guide fresh graduate FTMK to find the suitable job.**

  Mostly, fresh graduate do not know suitable job for her/his after their finish study at KUTKM

- **Limited Functionality**

  The previous system provided a limited functionality. It only focuses on searching job but cannot do the matching suitable job for fresh graduate.

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1.3 Objectives for Project

Currently, FTMK don't have one system to find and search suitable job for fresh graduate FTMK after finish their study at KUTKM. Our system is mainly to help the fresh graduates from FTMK to find and search suitable job. This system also can do the matching to find suitable job for fresh graduate. The objectives are as stated below:

I. To develop a system that is user friendly.

The users of the system are the admin and the real user. This system will provide an easy and user-friendly system. The admin for this system can categorize the entire job with this system depends at qualification and background education. Beside that with this system, admin also can monitor the information from time to time for updating, deleting and adding that data.

II. To save the time and cost for graduate FTMK find the job

It can be done smoothly and the data can be accessed without any delayed.

III. To provide facility for FTMK graduate to find suitable job

The system can make easy to graduate FTMK do find and apply the suitable job

IV. To develop a systematic system.

The system that will be developed can ensure the to be more systematic and efficient.

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1.4 Scope of Project

To define the project scope, make sure the goal of the project first. As this E-Career Online System for FTMK fresh graduate and the scope is a:

- **To provide for FTMK fresh graduate find suitable job.**
  Only fresh graduate from FTMK can access this system to find the suitable job. E-Career Online System is a computerized system with high efficiency, error free and high quality services to the FTMK fresh graduate to find the suitable job.

- **To provide for company to advertise the job vacancy.**
  It can make easier to company to advertise the vacancy job and also can find the employee.

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1.5 Project Significance

In presenting computerize system E-Career Online System can make all the work easier. E-Career Online System also makes the entire user easy to work and make all the activities can do in smooth movement. This project is also make benefit to all users and company that has use this system because this system can find and do the matching suitable job for the users. For the company also cans advertise the vacancy at this system. For do advertise the vacancy, company must do the registration first for use this system. The system can find suitable job and do matching job for users. Beside that, with this E-Career Online System the users and company can save the time.

1.6 Conclusion

For the conclusion, after this system finish and fully complete, it will definitely help the user to manage, find and matching suitable job for the users. The expected result of this project can be more flexible to help all the users to find the suitable job an also to help the companies to find the employee.

After this, the next chapter that will be provided is Literature Review and Project Methodology. This part will review the previous project and make a comparison with project that has been proposed. Besides that, this chapter also explains about the methodology that will be used in this project.

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CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

The literature study in the previous system could give more references in system development process. All the advantage in the previous system can be implement in the system development. The characteristic of the previous system as module flow and process should be improve and enhance from the previous system.

The methodology that used in developing a project is the key of succeeding of finishing the project within time and able to satisfy users' requirements. Since there are many type of methodology, it is vital to select appropriate methodology that will be used. The method that will be used will determine speed of the project.

The main concept in this system is to find suitable job for FTMK fresh graduate after they finish their study at KUTKM. Literature review in methodologies, strategies and project analysis should be done in order to gain mare understanding on the project implementation study. It is important to establish solid principles first before design and constructing of the system.

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2.2 Fact on Finding

This part wills discus in detail about previous related system study including of system flow and system constraint. In this part also do some research about the Decision Support System (DSS). It will be research about definition of DSS, their characteristic, type of DSS and many more

2.2.1 Case study in review of Existing System

Case study 1: www.careers.org

For this study, the researches are based on the contribution and outcomes from previous study. This web based is a most popular and famous for user find the job and also the community web based. This web based makes better solution in order to give the best output for the user. These webs based have few step to use and the user must follow step by step in order to get the result.

System Constraints

These webs based have several constraints to fix. This web based cannot find suitable job for the user and also cannot do the matching job based on company requirements. It is difficult to users to find the job based on own requirements. This web based system also lack of help and supports functions may bring problems to new users where the user might not know how the flow of the system goes.

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Case study 2: www.truecareers.com

This case study about truecareers.com. Truecareers.com is a web based system. Functions available in truecareers.com are limited in many aspects. The truecareers.com doesn't provide any functions that will enable the user to know their request status whether their request has been approved or not. This is one of the drawbacks of the system where users found difficulties in knowing their request status. This web based too many advertisements

System Constraints

This web based not interesting because the background color not suitable. This web based system also lack of help and supports functions may bring problems to new users where the user might not know how the flow of the system goes.

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Comparison between existing and proposed system

	www.careers.org & www.truecareers.com	E-Career Online System
Interface	User friendly	User friendly
Security	Not secured	Secured
Function	Easy to use	Easy to use and systematic with additional function
Objective		Build the system to help the fresh graduate from FTMK to find the suitable job based on company requirements

Table 1 Comparison between existing system and proposed system

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2.2.2 Decision Support System (DSS)

2.2.2.1 Definitions of DSS

Decisions are the choice of one from among a number at alternatives: a statement indicating a commitment to a specific course of action. *"Decision are unprogrammed to the extend that they are novel, unstructured and unusually consequential. There is no cut-and-dried method for handling the problem because it has no arisen before, or because its precise nature and structure are elusive or complex, or because it is so important that it deserves custom-tailored treatment."*(Simon, 1977). Decision system are computer based programs and technologies that intended to make routine decisions, monitor and control processes, and aid or assist decision maker on semi-structured and/or non-routine decisions situations.

DSS are computer-based system that bring information from a variety of source, assist in the organization and analysis of information, and facilitate the evaluation of assumption underlying the use of specific model. In other words, these systems allow decision makers to access relevant data across the organization as they need it to make choice. The DSS allow decision makers to analyze data generated fro transaction processing systems and other internal information source easily. Finally, DSS allow decision makers the ability to analyze the information in a manner that will be helpful to that particular decision and will provide that support interactively.

According to Sprague and Watson (1996) conceptual models or frameworks are crucial to understanding a new and/or complex system. They define DSS broadly as an interactive computer based systems that help decision-makers use data and models to solve ill-structured, unstructured or semi-structured problems. DSS couple the intellectual resources of individuals with the capabilities of the computer to improve the quality of decisions (Keen and Scott Morton 1978). The term *decision support system* remains a useful and inclusive term for many types of information systems that support decision making. He humorously adds that every time a computerized system is not an on-line transaction processing system (OLTP), someone will be tempted to call it a DSS (Powel. 1977)

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2.2.2.2 Types of DSS

As mentioned earlier, DSS can be classified in many different categories. Amongst the common ones are the following:

2.2.2.3 Data driven DSS

These DSS has file drawer systems, data analysis systems, analysis information systems, data warehousing and emphasizes access to and manipulation of large databases of structured data

2.2.2.4 Model driven

The underlying model that drives the DSS can come from various disciplines or areas of specialty and might include accounting models, financial models, representation models, optimization models, etc. With model drive DSS the emphasize is on access to and manipulation of a model, rather than data, i.e. it uses data and parameters to aid decision makers in analyzing a situation. These systems usually are not data intensive and consequently are not linked to very large databases.

2.2.2.5 Knowledge driven

These systems provide recommendation and/or suggestion schemes which aid the user in selecting an appropriate alternative to a problem at hand. Knowledge driven DSS are often referred to as management expert systems or intelligent decision support systems. They focus on knowledge and recommends actions to managers based on an analysis of a certain knowledge base. Moreover, it has special problem solving expertise and are closely related to data mining i.e. sifting through large amounts of data to produce contend relationships.

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