

## BORANG PENGESAHAN STATUS TESIS

JUDUL: Driving License Application (DriveApps)

SESI PENGAJIAN: 2012/2013

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**DRIVING LICENSE APPLICATION (DriveApps)**

**NOR SYAMIMI BINTI ZULKIFLI**

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

**FACULTY OF INFORMATION AND COMMUNICATION  
TECHNOLOGY**

**UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

**2013**

## DECLARATION


I hereby declare that this project report entitled

### DRIVING LICENSE APPLICATION (DriveApps)

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

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## **DEDICATION**

To my beloved parents, your supports and love are my greatest inspiration.

To all my friends, I would like to thanks for your kindness, encouragement, and guidance throughout the period of my study here.

To my lecturer, I appreciate all the advices and critics given in order to make me a better student.

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Universiti Teknikal Malaysia Melaka (UTeM) degree students are required to be involved in the final year project as one of the prerequisite for graduation. It is the main reason this project is conducted as well as to train student to apply what they have learn before simulating the real working world environment. The researches and assessment are carried out during study time in order to challenge the student to be capable of managing time and resources to be more competent in applying and sharpening their knowledge and skills. However, the product produced in the end of the project can still be improved for upcoming workforce. Therefore, I am grateful to the university for providing adequate facilities and services in order to complete my project.

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## **ABSTRACT**

Driving License application (DriveApps) is a mobile application tool that assists user in schedule arrangement. DriveApps is used by user or customer of Zul Agency Sdn Bhd. DriveApps is supported by License Management System (LMS) which is conducted by administrator and also used by trainer. DriveApps function is to give information about user schedule which already stated by trainer. User can view their schedule using their mobile phone and can make approval. This application also allows user to make an appointment with their trainer when they want to do training. They need to set the date and time which they are available to go for training. Trainer or administrator will see the appointment request by LMS system. Then they will decide whether want to accept or decline the request. User can see status of their appointment by this application in user mobile phone. DriveApps also include information about user payment. This application will display payment history. This application will list out the date and amount that user already paid to the agency. This can avoid scams where user can check their payment after they had paid to company or trainer. Other than that, DriveApps contains information about trainer and basic information such as information about license, condition and procedure that user must follow.

## ABSTRAK

Aplikasi Permohonan Lesen Memandu (DriveApps) merupakan aplikasi telefon yang membantu pengguna dalam pengaturan jadual. Aplikasi DriveApps ini digunakan oleh pengguna atau pelanggan Zul Agency Sdn Bhd. DriveApps disokong oleh Sistem Pengurusan Lesen (LMS) yang digunakan oleh pentadbir dan jurulatih. DriveApps berfungsi untuk memberi maklumat mengenai jadual pengguna yang telah ditetapkan oleh jurulatih. Pengguna boleh melihat jadual mereka menggunakan telefon mudah alih mereka dan boleh membuat kelulusan samada untuk bersetuju atau tidak. Aplikasi ini juga membolehkan pengguna untuk membuat temujanji dengan jurulatih mereka apabila mereka mahu membuat latihan. Pengguna perlu menetapkan tarikh dan masa yang sesuai untuk hadir ke latihan. Jurulatih atau pentadbir akan melihat permohonan temujanji yang dibuat melalui sistem LMS. Kemudian mereka akan membuat keputusan sama ada mahu menerima atau menolak permohonan tersebut. Pengguna boleh melihat status permohonan temujanji mereka dengan menggunakan aplikasi ini dalam telefon bimbit mereka. DriveApps juga memaparkan maklumat mengenai pembayaran. Aplikasi ini akan memaparkan senarai pembayaran yang telah dibuat. Aplikasi ini akan menyenaraikan tarikh dan jumlah yang telah dibayar oleh pengguna kepada agensi. Ini boleh mengelakkan penipuan di mana pengguna boleh menyemak bayaran mereka selepas membuat pembayaran kepada syarikat atau melalui jurulatih. Selain itu, DriveApps mengandungi maklumat mengenai jurulatih dan maklumat asas seperti maklumat mengenai lesen, syarat dan prosedur mesti diikuti oleh pengguna.

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## **CHAPTER I**

### **INTRODUCTION**

#### **1.1 Introduction**

Driving License application (DriveApps) is a mobile application tool that assists user in schedule arrangement. DriveApps function is to give information about user schedule which already stated by trainer. User can view their schedule using their mobile phone and can make approval. This application also allows user to make an appointment with their trainer when they want to do training. They need to set the date and time which they are available to go for training. Then, DriveApps also include information about user payment. This application will display payment history. This application will list out the date and amount that user already paid to the agency. This

can avoid scams where user can check their payment after they had paid to company or trainer. Other than that, DriveApps contains information about trainer and basic information such as information about license, condition and procedure that user must follow. DriveApps is supported by License Management System (LMS) which is conducted by administrator and also used by trainer. Administrator or trainer will check their schedule or appointment that made by customer using LMS system.

## 1.2 Problem Statement

- ✚ The trainer hard to mention user about their schedule
- ✚ User cannot remember their payment history
- ✚ User need to attend to the office or make a call to make an appointment
- ✚ User does not know about the procedure of driving course

## 1.3 Objective

- ✚ Help trainer to assist user schedule
- ✚ Give information about user payment
- ✚ Reduce user time to make appointment
- ✚ Provide guideline for user to follow

## **1.4 Project Scope**

### **1.4.1 Module**

i. Login and Logout

This module is used to manage the user access into the application. The application is intended to be used by customer that register with Zul Agensi Sdn Bhd. User can access into the application by entering identification card number.

ii. View agency information

This module is to view the user schedule that stated by agency or trainer. These modules also view the user payment record. All payment that made by user will record into the LMS system and user are able to review using their mobile. It also provides agency information such as trainer details, type of license, condition and procedure that user must follow.

iii. Make appointment

This module is to allow customer to make an appointment with their trainer using their mobile phone. User must enter the available date and time.

### **1.4.2 Target User**

i. Zul Agency Sdn.Bhd customers

a. This application allow user to view their schedule.

b. This application provide guide to user to follow.

c. This application display user payment history.

## 1.5 Project Significance

This system tries to contribute to the following aspects:

- i. Time management  
User will be able to check their training schedule.
- ii. Help user to make registration  
It may help user to make an appointment using their mobile phone.
- iii. Avoid to follow more steps  
This application can avoid user forget the procedure that already stated by agency.

## 1.6 Expected Output

The Driving License application (DriveApps) that is a mobile application has not been used in any driving agency in Malaysia. The development of the application will definitely yields positive effect from the field. The expected result from the last stage of the project is figure out as below:

- i. Security measures and access control on confidential files  
This application only enable authorized user to login and do the registration task.
- ii. Make appointment via mobile phone  
This application will allow user to make appointment using their mobile phone.



## 1.7 Conclusion

In general, Chapter I give an overview of the study which includes background, problem statements, objectives, scope, significance of study and expected output of the Driving License application (DriveApps). In the following chapter, the findings will be discussed based on the facts in this chapter to build up a conceptual framework relevant to the study. Besides, project schedule and milestone will be developed to make sure the project is completed in the purposed time.

## **CHAPTER II**

### **LITERATURE REVIEW**

#### **2.1 Introduction**

In this chapter, the literature section review and past research regarding the Driving License application (DriveApps). The aim of the review is to find the appropriate solution and approach in developing the Driving License application (DriveApps) for Zul Agency Sdn.Bhd customer. This will be done by conducting literature through electronic and published media and personal communication for other experts. From the literature review, the significant evolution of a project over time will be described.

## **2.2 Fact and Findings**

This section discuss about the domain and features that refer from the existing system.

### **2.2.1 Domain**

The domain related to the Driving License application (DriveApps) is information system. Information system is a computer system or mobile application that supports end users. There are six types of information system are Executive Support System, Management Information System, Decision support System, Knowledge Management System, Transaction Processing System, and Office Automation System.

Since Driving License application (DriveApps) is helping Zul Agency Sdn.Bhd customers to make appointment, it is considered as a Management Information System. A Management Information System (MIS) is a system or process that provides the information necessary to conduct the registration effectively. In this case, this application facilitates is the making appointments for agency customers.

## **2.2.2 Existing System**

Currently, driving agencies in Malaysia are still using manual system to handle their daily operation of customer appointment management. Thus, driving agency system has very bright in this field as it can solve the problem of making appointment in any agency. Some of the agency already has their own management system to manage their daily operation. But, that system is just used by administrator or staff in that agency. Therefore, this system is going to develop by referring to one of driving agency system.

### **2.2.2.1 Institut Memandu Yakin Pandu Sdn. Bhd Portal**

Institut Memandu Yakin Pandu Sdn. Bhd Portal is used by Institut Memandu Yakin Pandu Sdn. Bhd staff to manage their customer. In this portal consist information about agency, condition, procedure, customer registration, and facilities that provided by the agency. Mostly this portal only been used by the admin only. Users that want to check their appointment must refer to their trainer or directly to agency. Customer that want to know about the next appointment must to refer with person in charge if they want to make appointment or want to know the next date to training that already setting by trainer or agency. Users that want to check their payment also must refer to their trainer or directly to agency. It is quite difficult to user to know the amount that they already pay before. Customer that wants to see the procedure must refer to the system or

The screenshot shows the website interface for Institut Pemanduan Berhemat Yakini Pandu Sdn Bhd. The header includes the company logo, navigation menu (Laman Utama, Lesen Mendaunda, Kemudahan, Pihak Pengurusan, Mengenai Kami, Pendaftaran, Hubungi Kami), and a search bar. The main content area displays a registration form titled "Pendaftaran Institut Pemanduan Berhemat Yakini Pandu" with the following fields:

- Nama Penuh (\*)
- Alamat (\*)
- Poskod (\*)
- Bandar (\*)
- Negeri (\*)
- No. Kad Pengenalan (\*)
- Kad Pengenalan/Passport
- Tarikh Lahir (\*)
- Umur (\*)
- Jantina (\*)
- Lelaki  Perempuan

Figure 2.1: Interface design of current system

### 2.2.3 Technique

There are several techniques had been applied to gather some information as a guide for develop this application. The technique that has been done is interview and observation. An interview has been made with the owner of Zul Agency Sdn.Bhd. Some observations also have been made to gain more information as a guide to develop this system. Most of the observation is made through the internet.

## **2.3 Project Requirement**

Project requirement is condition or necessity that is needed in the project development. This includes software requirement, hardware requirement, and other requirement that applicable.

### **2.3.1 Software Requirement**

Software requirement is software that needed in developing the project. Software that required in developing the Driving License application (DriveApps) and License Management System (LMS) are Adobe Flash Builder 4.6, Eclipse, Adobe Dreamweaver CS4, WampServer, Adobe Photoshop CS3, Google Chrome / Internet Explorer, Microsoft Office Word, Microsoft Office Power Point, Microsoft Office Visio, StarUML and Microsoft Office Project.

### **2.3.2 Hardware Requirement**

Hardware requirement is hardware that needed in developing the project. Hardware that required in developing the Driving License application (DriveApps) are personal computer and operating system with Microsoft Window 7 Home Premium and smart phone with android version 2.3.5.

### **2.3.3 Other Requirement**

Other requirements that needed are broadband, printer and USB cable.

## **2.4 Conclusion**

As a conclusion, chapter II has explained about the existing system before developing the Driving License application (DriveApps) and License Management System (LMS). The next chapter will explain on the problem and requirement analysis of the project.

## **CHAPTER III**

### **PROJECT METHODOLOGY**

#### **3.1 Introduction**

In this chapter, the project methodology is a systematic way of performing research and system development work for this PSM. Methodology can properly refer to the theoretical analysis of the methods appropriate to a field of study which helps developer to structure, plan, and control the process for developing a software project systematically.