

SCALE FEES INFORMATION APPLICATION FOR MOBILE USER

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A thesis submitted in fulfilment of the
requirements for the award of degree of
Master of Bachelor of Science(Geomatics)

FACULTY OF GEOINFORMATION AND REAL ESTATE

UNIVERSITI TEKNOLOGI MALAYSIA

JANUARY 2015

DEDICATION

To my beloved mother and father

SALBIAH BT ALIAS & ABD KARIM B MERAHALLI

To my siblings

NURUL NADIA BT ABD KARIM

AMIRUL HAKIM B ABD KARIM

AMIRUL AIMAN B ABD KARIM

NURUL AINA AFIQAH BT ABD KARIM

To all my friends

ACKNOWLEDGEMENT

Alhamdulillah, all praise to Allah S.W.T and may Allah praise His Prophet Muhammad S.A.W and his household for giving me the chances and oppuetunity to realize my ideas and orks into this project.

A big thank you to my supervisor Tn Hj Shahrudin bin Mohd Said who patiently guide and help me in order to complete this project. Also a big thank you to all my friends

My big praise and thanks to my parents Mr Abd Karim Bin Merahali and Mrs Salbiah Binti Alias who always be there to support and encourage whenever i needed. A big thank also to my siblings who always cheer me up during my hard time. Besides, other thanks to all my friend who give me the strength, knowledge ad help. I hope that all your good deed will be paid off by Allah S.W.T.

ABSTRACT

Land Scale Fees have been prepared by the Land Survey Board for the surveyors especially for the guide to deal with the customer. The information regarding Land Scale Fees can be acquired from the Land Survey Board website. Besides, the information is only can be acquired through the Land Survey Board website. Hence, the internet connection is the important requirement to get attached with the information. Through the website, the information provided might be useful to the users. However, it cannot solve an extended problems like wifi connection. In addition, the people also do not have much knowledge about the land scale fees and do not know how to find the information. To solve this problems, an application has developed in Android platform. By categorizing the information into groups, the information can be easily understand by the user. Besides, by integrating Macromedia Flash CS6 , an application is developed to give a numerous function to the user. Hence, the information can be delivered in more efficient ways and more importantly, can be visualized and later give better understanding to the user.

ABSTRAK

Skala Bayaran tanah telah disediakan oleh Lembaga Ukur Tanah terutamanya untuk juruuku rsebagai panduan untuk berurusan dengan pelanggan. Maklumat mengenai Skala Bayaran tanah boleh diperolehi daripada laman web Lembaga Ukur Tanah(LJT). Selain itu, maklumat tersebut hanya boleh diperolehi melalui laman web Lembaga Ukur Tanah. Oleh kerana itu, sambungan internet adalah keperluan penting untuk mendapatkan maklumat tersebut. Melalui laman web ini, maklumat yang diberikan mungkin berguna kepada pengguna. Walau bagaimanapun, ia tidak boleh menyelesaikan sesuatu masalah seperti sambungan wifi. Selain itu, tidak semua orang mempunyai banyak pengetahuan mengenai Skala Bayaran tanah dan tidak mengetahui bagaimana untuk mencari maklumat tersebut. . Untuk menyelesaikan masalah ini, satu aplikasi telah dibangunkan dalam platform Android. . Dengan mengkategorikan maklumat ke dalam kumpulan, maklumat tersebut mudah difahami oleh pengguna. Selain itu, dengan mengintegrasikan Macromedia Flash CS6, aplikasi dibangunkan untuk memberikan pelbagai fungsi kepada pengguna. Oleh itu, maklumat yang boleh disampaikan dalam cara yang lebih cekap dan lebih penting lagi, boleh diperlihatkan dan kemudian memberikan kefahaman yang lebih baik kepada pengguna.

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LIST OF ABBREVIATIONS

AIR	-	Adobe Integrated Airtime
CPD	-	Continuing Professionla Development
FCC	-	Federal Communication Commission
FLV	-	Flash Video
GPS	-	Global Ppositioning System
GSM	-	Global System for Mobile Communication
GUI	-	Graphical User Interface
HTML	-	Hyper Text Markup Language
LCD	-	Liquid Crystal Display
LJT	-	Lembaga Jurukur Tanah
MP3	-	Music Player 3
OS	-	Operating System
PC	-	Personal Computer
PDA	-	Personal Digital Assisstant
RIA	-	Rich Internet Application
SDK	-	Software Development Kit
SMS	-	Short Message Service
TLF	-	Temporary Lodging Facility
UI	-	User Interface
UK	-	United Kingdom

XML	-	Extensible Markup Language
2G	-	Second Generation
3D	-	Three Dimension
3G	-	Third Generation

Chapter 1

INTRODUCTION

1.1 Overview

Nowadays, people and hand phones are different parties but have strong and relationships between each other. Hand phones undoubtedly is one of the best invention created by the people. Alexander Graham Bell have invented telephone as we know that hand phones nowadays become very important tools to everyone. With the upcoming advanced technology, the hand phones itself have it's evolution. From the telephone to the smartphone which is the current generation is using nowadays. Smartphone today has been upgraded with the Android system. Android is becoming phenomenon all over the world. Android is a mobile operating system (OS) based on the Linux kernel and currently developed by Google. With a user interface based on direct manipulation, Android is designed primarily for touchscreen mobile devices such as smartphones and tablet computers, with specialized user interfaces for televisions (Android TV), cars (Android Auto), and wrist watches (Android Wear). The OS uses touch inputs that loosely correspond to real-world actions, like swiping, tapping, pinching, and reverse pinching to manipulate on-screen objects, and a virtual keyboard. Despite being primarily designed for touchscreen input, it also has been used in game consoles, digital cameras, regular PC and other electronics.

1.2 Background of the study

Land Survey Board or *Lembaga Jurukur Tanah* (LJT) is a familiar name among surveyors in Malaysia. Nowadays, land becoming more important to all the people as it is a place that we can contribute benefit for future. Everyone is looking for the land for future benefits for their next generation. However, not everybody know that Land scale fees is a fees that comes from the land survey board. All the 11 schedule can be download from Land Survey Board website. For surveyors, there are familiar with the term in land scale fees as it is what they are deal with for their daily life. Nowadays, through hand phone, everyone can search for the information. With the advanced technology created by mankind today, hand phone also have been upgraded to the high level. Everyone are using smartphone that are provided with Android system. Hence, they can search everything from their hand phones. However, the internet connection is the requirement to do so. Hence, the application that are developed with using no internet connection is easy for them to be used as they can obtain the information anytime. With application, the information can be visualized and later give much more understanding to the user.

1.3 Statements of Problem

Land Scale Fees has been prepared by Land Survey Board. Without a doubt, Land Survey Board is very important to surveyors for their daily life to deal with the people. Usually, the surveyors will handle the land scale fees for their customers. The customers just need to pay based on the scale fees to the surveyors. All 11 schedule of land scale fees can be acquired from Land Survey Board website. Besides, to obtain the information, the user must connect to internet connection. Hence, the internet connection is the requirement to connect to the website. Throughout the advanced technology nowadays,, many people tend to use technology as their tool to solve, help or make it easier for their job or work. Same as people who need survey information especially those who really need information about the scale fees of land. We can see how the technology can help in the matter of development, maintaining and enhancement. For an example, the survey info application now are served with the information about the scale fees of land. People who really seek for this information might not know how to get this information unless they have to ask the people at Land Survey Departments. Information about

the scale fees of land is very important, not only to licensed surveyor but also to those who really need to seek for the information. Hence, to solve this problems, we need a few ways of delivering information and with the expanding use of technology, an application that specially designed for the land scale fees can be developed and later will solve the problems regarding the WI-FI connection and those people who seek for the land scale fees information.

1.4 Research Objective

1. To design and develop the application for scale fees of licensed surveyor board for android mobile.
2. To test and evaluate the capability of the application among public user.

1.5 Scope of the study

To define the scope of study, there are several important aspects that need to be highlighted. The aspects are:

- i. Research Data
- ii. Equipment
- iii. Target user
- iv. Software

1.5.1 Research Data

In this research, the data from the Land Survey Board *or Lembaga Jurukur Tanah(LJT)* is acquired.

1.5.2 Equipment

Hand phone

A hand phone which is Android –based smartphone is used to undergo application.

1.5.3 Target User

i. Surveyor

The main study of study is to help the surveyor who need the information about the scale fees of land. Besides, this application is very useful to those who are newbie o surveyor.

ii. Public user

The main study is to help the people who needs the information about the scale fees of land in Peninsular Malaysia.

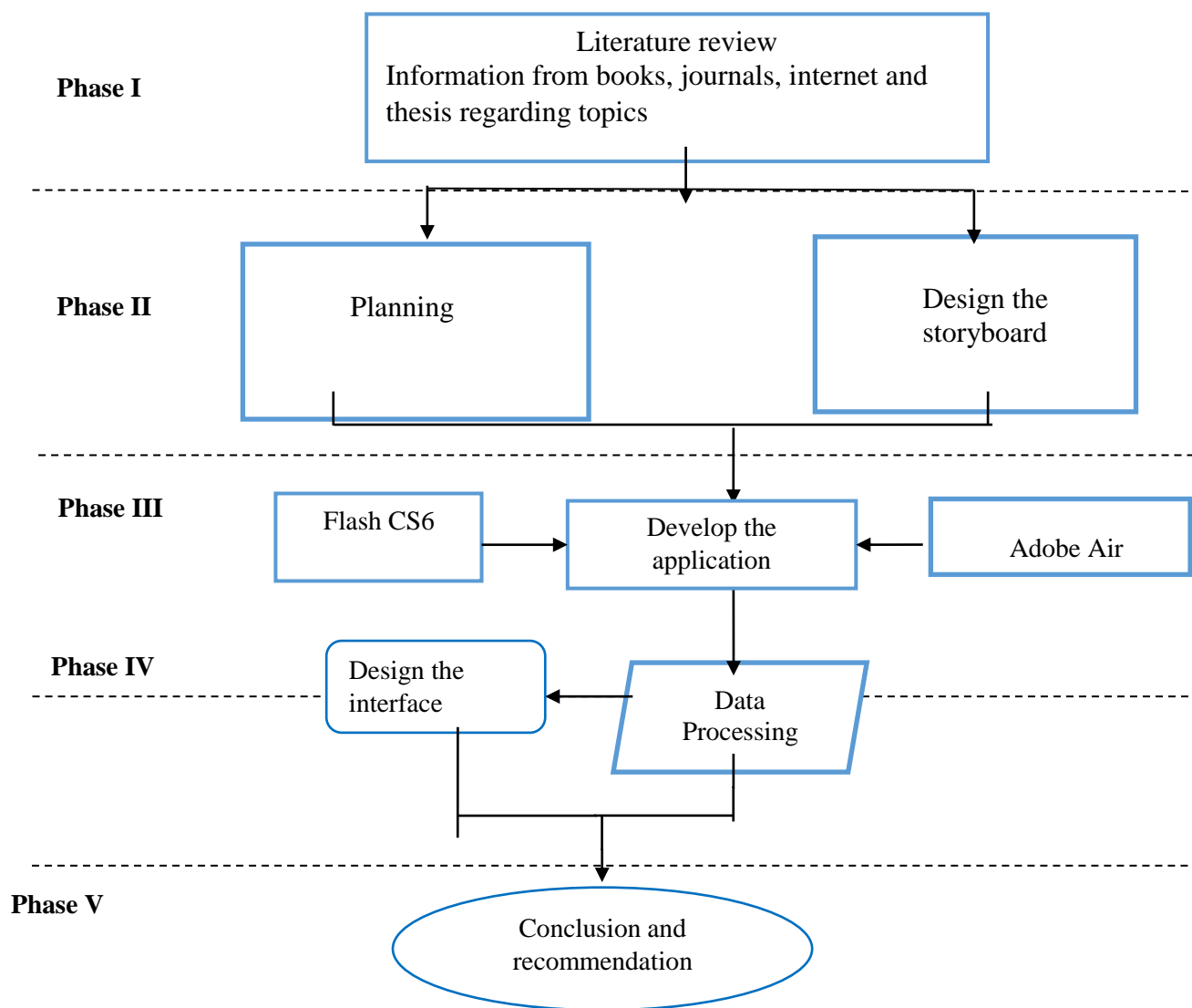
1.5.4 Software

- i. Macromedia Flash CS6 is the special software that will be used in this study to undergo the process making the android application.
- ii. Java is needed for the programming language
- iii. Adobe AIR is the software for connecting the application to the hand phone

1.6 Significance of study.

- i. Will benefit future surveyors that who are interested in knowing more about the potential of hand phone developed an application
- ii. Will benefit the people in other professions such as the vendors of the hand phones.
- iii. Give guidance to the people on how to produce android application using Flash CS6
- iv. Show understanding on how implement the application by using android application..

1.7 RESEARCH METHODOLOGY



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