

**Universiti Teknologi MARA**

**DEVELOPMENT OF MOBILE BASED  
APPLICATION FOR CAR RENTAL  
RESERVATION SYSTEM**

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**Thesis submitted in fulfilment of the requirement for  
Bachelor of Computer Science (Hons.)  
Faculty of Computer and Mathematical Sciences**

**JANUARY 2017**

## **ACKNOWLEDGEMENT**

Alhamdulillah, praises and thanks to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given. Firstly, my special thanks go to my supervisor, En Fauzi Mohd Saman for guiding me until the completion of this project. Not to forget, the encouragement and all the creative ideas that have been given to me. Special appreciation also goes to my beloved mother, and my father, Kamar Zaman for always giving a moral support when I am having a difficulty in completing this project.

## **ABSTRACT**

This study is focus on developing a mobile application which is Mobile-based Application for Car Rental Reservation System. This mobile application focus on booking system that allows user to book a car. The problem faced by the current car rental management is the user that want to rent the car must do walk in booking or call booking. The objective is to identify requirements, design and develop mobile application for car rental reservation system. The development tools used in developing the mobile application is Android Studio and Adobe Photoshop. This study is using Mobile Application Development Lifecycle (MADLC) as the methodology to develop this mobile application. In research and findings, the functional and non-functional requirements, use case and storyboard of the application were defined.

# TABLE OF CONTENTS

<b>CONTENT</b>	<b>PAGE</b>
<b>SUPERVISOR APPROVAL</b>	ii
<b>STUDENT DECLARATION</b>	iii
<b>ACKNOWLEDGEMENT</b>	iv
<b>ABSTRACT</b>	v
<b>TABLE OF CONTENTS</b>	vi
<b>LIST OF FIGURES</b>	xi
<b>LIST OF TABLES</b>	xiii
<b>CHAPTER 1: INTRODUCTION</b>	
1.1 Project background	1
1.2 Problem Statement	2
1.3 Research Questions	3
1.4 Project Objective	4
1.5 Project Scope	4
1.6 Project Significance	5
1.7 Summary	5

# CHAPTER 1

## INTRODUCTION

This chapter provides the background and rationale for the study.

### 1.1 Project Background

Car rental company is a company that provide their customer a temporary car for the amount of time that the customer want to rent the car for a periods of time ranging from hours to a few weeks. There are a lot of car rental company in Malaysia, but not all of them have a system that can make the user easily can book a car. The car rental company have to record the booking manually and manual system does not allow client to do booking online and hard to keep track on the records of rental cars.

This project will develop a new mobile application that user can use to rent a car. It is an application which customers can view cars and book a car. User can rent the car for the time that they want with a charge. User also can choose the type of vehicle that they want to rent and the amount of days that they want to rent the car. This mobile application can help user to save time because they does not have to do walk in booking because they can book a car online by using this application.

The aim of this final year project is to ease people on booking a car to rent without walk-in to the shop or call them. There are actually a lot of benefits of this project, one of them is it can reduce the time of the user to book a car.