Universiti Teknologi MARA

UiTM Shah Alam Location Based Food Finder Mobile Application (USAFF)

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**Thesis submitted in fulfilment of the requirements
for Bachelor of Information Technology (Hons.)
Faculty of Computer and Mathematical Sciences**

December 2018

ACKNOWLEDGEMENT

Alhamdulillah, praises and thanks to Allah because of His Almighty and His utmost blessings, I was able to finish this project within the time duration given. Firstly, my special thanks goes to my supervisor, Dr Fariza Hanis Abdul Razak that accepted me as the supervisee this last two semester and whose contribution in inspiring ideas, suggestions and encouragement helped me to coordinate my project especially in writing this report. My gratitude also goes to my CSP600/CSP650 lecturer, Dr Emma Nuraihan Mior Ibrahim for guiding and checking every nook and cranny of this report and giving feedback on how to make this report better each class and all also other lecturers that teaches us on the development of the project. Special appreciation also goes to my beloved parents who have provided me through moral and emotional support from the beginning until the completion of the project. Last but not least, I would like to give my gratitude to all my friends who have supported me along the way in group discussion, changing ideas and supporting each other.

ABSTRACT

People are using more and more time each year using their phones to search for any information including looking for a place to eat. Hence, the objective of the project is to develop, designing and developing USAFF mobile application based on the requirement gathered for the student of UiTM Shah Alam. This is due to the fact that the current limitation for the students in searching for the location of the cafeteria becomes a bothersome task when the information that they needed are not available both on the internet and in the physical form. In order to minimize the time taken and effort it takes for them to locate the information needed, this mobile application provide the essential features for finder application such as location-based service and geo-location that automatically detect the users location, map and navigation that shows which route to take and user generated rating for them to give their opinion about the cafeteria. The project used Android as its mobile platform since the number of students using Android is much higher than iOS. The methodology used is Mobile Application Development Life Cycle (MADLC). In the future, this project can be expanded by including other UiTM campuses across the nation. As a conclusion, this project aims to deliver information about cafeteria of UiTM Shah Alam to the students.

Keywords: UiTM Shah Alam, food finder, location-based service, geo-location, mobile application, navigation, user generated rating and Mobile Application Development Life Cycle (MADLC).

TABLE OF CONTENTS

CONTENT	PAGE

CHAPTER 1

INTRODUCTION

This chapter show the project background, problem statement regarding the current issues identified, objectives of the project, project scope and limitation and the significance of the project.

1.1 Project Background

Location-Based Service is defined as providing information of a device or a user that are frequently offered as a service through the use of different media. Currently, location based services are widely agreed to be one of the most important technology advancement and considered to be a major catalyst for innovations in the sector of mobile internet applications (Stephanie, R. 2015). As a result, there exists a large number of technologies and systems that utilize the use of location based. Furthermore, Allied Market Research (2017), found that the market will reach $61,897m globally by 2022 from Location-Based Service around the globe.

A mobile application is a type of application software designed to run on a mobile device, such as a smartphone or tablet. Even though mobile application development is a new and rapidly growing sector, smartphone's computing power keep growing as mobile applications continue to control the digital engagement, apps have become a new frontier for evolving field experiment methodology (Zhang, J. 2017) resulting in a global positive impact of mobile application. The usefulness of mobile devices has increased greatly in recent years allowing users to perform more tasks in a mobile context. Now a day, so many people are using mobile application to contact friends, browse the internet, use file content management, handling documents, entertainment and so on.

Location finder is a feature found on the websites of business with multiple location allowing visitors on the site to find the locations of the business within their proximity of an address within a selected region (Martel, L. H. 2004). This technology greatly changes