Universiti Teknologi MARA

All-In-One Mobile Halal Restaurant Application

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ABSTRACT

Evolvement of digital application has changed from desktop to mobile. The necessity of mobile app is crucial in providing information and also in locating places. This case also applied to Muslim tourist in their finding for Halal food. To find it, it is not suitable if they search via web page or social media as it turns out to be waste of time. To cater this problem, the need of all-in-one Halal mobile app is developed. Five features are centred in this project are business information, location, review rating and add restaurant. This project used Mongo Atlas and the data is stored in MongoDB database. Scripting language is used to invoke these data and using AJAX to send the data to JavaScript before display it using Web Development Language. The data received from the database is in JSON format and translated into JavaScript object to enable viewing properties. There is a testing phase done by a group of user to test the effectiveness of the features. The findings are then accumulated and recorded. Hence, this mobile hybrid application is being developed throughout this project and tested in Android version 4.1.2 with integration of PhoneGap framework.

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CHAPTER 1

INTRODUCTION

This chapter describes the general introduction of this computing project and study which includes the project background, the problem of the project, the objectives, the project's scope, significance of the project and conclusion.

1.1 Project Background

The emergence and the huge number of 'easy-carry' mobile technologies likes smartphones and tablets available nowadays (Soyata et al., 2012), made it much easier for mobile end-users to find their respective needs at their fingertips. According to researchers, the usage of mobile phone daily is about five hours (Nottingham Trent University, 2015). With a plethora of users, there is no doubt that the mobile devices have become more powerful than before together with greater processing source, storage and functionalities (Soyata et al., 2012).

One of the needs of the Muslim users from the mobile technologies is that they want to find a Halal diner around the area. It is possible to locate the Halal restaurant even if they are not within the restaurant range. Numerous accessibility has been included in the mobile device today to easy the user's task such as GPS navigator, accelerometer, notification system, etc. Together with this accessibility, the mobile device has jump over the boundary not only to receive message text and call, but also to extract the information about a certain places.