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Halal Restaurants Kuala Lumpur iPhone Application

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Abstract

This project is about an iPhone application that shows restaurants that serves Halal food in Kuala Lumpur. This application evolved from traditional mobile phones application like notepad, call registry, and exedra. As technology advances and engineers are able to include more sophisticated functions in mobile devices, so does the advancements of the applications inside the mobiles itself. From basic function of making calls, mobile phones today are smartphones that combines features that are normally done on the personal computer such as internet browsing, location-based services, to name a few.

Using the development Software Development Kit for iPhone developed by Apple, known as Xcode, developers are able to create applications for the iPhone. Unlike other Software Development Kits, Xcode combines both interface building, programming, compiling and debugging, as well as simulation together in Xcode.

The aim of this project is to develop an iPhone application that runs natively on Apple's original iPhone 3G, 3GS or later, which has a built in GPS receiver in order to locate one's location. The flow of the application has been mentioned in details and the reasons for developing this game have also been highlighted, while Objective-C language is also briefly discussed in this project.

Various literatures on mobile applications have been reviewed, in addition to real-life data regarding tourism industry and the Muslim religion. All of these reviews are essential to emphasize the relevance of my project to the demand of the market. The implementation of this product has also been analyzed, while testing, limitations and problems faced, as well as a recommendation for future work and enhancements.

Apart from Xcode, the other major software used to finalize this report is Rational Rose (enterprise edition) which has been used to model the UML diagrams for the iPhone application.