## Universiti Teknologi MARA

# Food and Beverage (F&B) Mobile Application for Burger King Restaurant

Siti Nurul Sakinah Binti Harun

Thesis submitted in fulfillment of the requirements for Bachelor of Science (Hons) Netcentric Computing Faculty of Computer and Mathematical Sciences

**July 2013** 

#### **ACKNOWLEDGEMENT**

Alhamdulillah, praise and thank to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given. Firstly, most special thanks go to my supervisor, Puan Shapina Hj Abdullah as she guide me through the process of developing this project and for the knowledge that has been shared along the way with full of patient and sincerity.

Special appreciation also goes to my beloved parents who always give me support and pray for my success in everything that I do. A bunch of appreciation to my others course mate for sharing information, views and tips and also for showing their support to help me in completing this project.

Last but not least, I would like to give my gratitude to my dearest friends, Nur Afiqah Ain A Majid and Farah Azila Fazen as my supportive group mates and always giving help when I'm in needed.

#### **ABSTRACT**

Smart phone has become a trend to most of the people these days as a lot of tasks can be done with it. People can browse the internet, email, social networking, and do business transaction anytime and anywhere. Therefore, Burger King, a fast food chain proposes a web-based mobile application for their fast food delivery services. The current method used by customers to place their orders is by making a phone call. However, the method is time consuming during peak hours and causes a lot of mistakes during ordering take place. Thus, Food and Beverage (F&B) Mobile Application is being proposed to provide fast food delivery ordering via mobile for the customers. The users can view the menus and place their orders with this application. They can also track the status of their order and locate the nearest Burger King's store. Moreover, this application also allows users to email their feedback to the company. The implementation of this mobile application will bring greater mobility, convenience and accessibility to customers. The system architecture to design this system are XAMPP server, HTML5, Java Script and PHP as programming language, supported with Phone Gap framework and MySQL as database.

### TABLE OF CONTENTS

CON	TENTS PAGE		
SUPE	RVISOR'S APPROVALii		
DECI	ARATIONiii		
ACK	NOWLEDGEMENTiv		
ABST	TRACTv		
TABI	LE OF CONTENTSvi		
LIST	OF FIGURESviii		
CHAI	PTER 1		
INTR	ODUCTION1		
1.1	Introduction		
1.2	Problem Statement		
1.3	Project Objective		
1.4	Project Scope		
1.5	Significant of the Project5		
CHAI	PTER 2		
LITE	RATURE REVIEW6		
2.1	Analysis of Information and Technology 6		
2.1.1	Android Operating Systems 6		
2.1.2	Mobile Application7		
2.1.3	Wireless Technology7		
2.1.4	PhoneGap7		
2.2	System Software Requirement		
2.2.1	Xammp Apache Server 8		
2.2.2	Google Chrome9		
2.2.3	PHP Programming Language9		
2.2.4	MySQL Database9		
2.2.5	jQuery Mobile10		
2.3	Related Work		
2.4	Summary		
CHA	PTER 3		
METHODOLOGY12			

3.1	Project Formulation Framework	. 12
3.2	Identify Requirements	. 13
3.3	Quick Design	. 13
3.3.1	Use Case Diagram	. 13
3.3.2	Context Diagram	. 15
3.3.3	Process Flow Diagram	. 17
3.3.4	ER Diagram of F&B Main Portal	. 18
CHAPTER 4		. 21
RESULT AND FINDING		. 21
4.1	Interface	. 21
4.2	Summary	. 36
CHAF	PTER 5	. 37
CONC	CLUSION AND RECOMMENDATIONS	. 37
5.1	Limitation	. 37
5.2	Recommendation	. 38
5.3	Conclusion	. 39
Refere	ences	. 40