

Universiti Teknologi MARA

**Food Charity
Mobile Application**

Nurul Farah Adila binti Ismail

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

June 2019

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 and sincere gratitude goes to my supervisor, Dr. Emma Nuraihan binti Mior Ibrahim for all her guidance as well as suggestions in completing this project. Next, I would also like to extend my special thanks to my Final Year Project lecturer, Dr. Afdallyna Fathiyah binti Harun for all the supports, knowledge as well as for her kindness when conducting this project. Well, without their supports and assistance, I would not have the ability to complete this project on my own. Moreover, I would like to convey my gratitude to my examiner, Sir Fauzi Mohd Saman for her well-worth comments and suggestions regarding this project. Furthermore, my special appreciation also goes to my beloved parents who gave a lot of never ending emotional support and prayers for me throughout this project. Last but not least, I would like to give my gratitude to my dearest classmates, seniors and friends for their help during the development of the project. For the last time, thank you for those who have been involved directly or indirectly in making this project a success.

ABSTRACT

Charity is not only focused on money and clothes but foods also can be one of the charities to the needs. The current food donation system in Malaysia is done by non-government organization. The objective of this project is basically to simplify the process of food donation from nearby welfare homes as well as to provide accurate location by developing Food Share mobile application. The application focuses on finding the nearest welfare homes within the area of Shah Alam. Android Studio is used for the developing the functions in this mobile application. As for the methodology, Mobile Application Development Life Cycle (MADLC) is adopted throughout the making of this project and only the planning, design, development, prototyping and testing phases are being covered for the project. Besides, donate process, location-based services, geolocation and call functions are included in the mobile application as they are crucial features for the food charity apps. The significance of this project is that it benefits the restaurant who wants to donate edible food excess. Finally, it is hoped that this Food Share apps shall help in donate edible food excess process.

Keywords: food donation, mobile application, MADLC, geolocation, location-based services.

TABLE OF CONTENTS

CONTENT	PAGE
SUPERVISOR APPROVAL	i
STUDENT DECLARATION	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
TABLE OF CONTENTS	v
CHAPTER ONE: INTRODUCTION	
1.1 Project Background	1
1.2 Problem Statement	2
1.3 Project Objectives	5
1.4 Project Scope/Limitations	5
1.5 Project Significance	5
1.6 Report Organization	6
CHAPTER TWO: LITERATURE REVIEW	
2.1 Food	8
2.2 Charity	8
2.3 Food Bank	9
2.4 Advantage and Disadvantage of Charitable Organization	10
2.5 Five Compelling Reasons to be a Food Donor	12
2.6 Food Redistribution Effort	14
2.7 Mobile Technology	14
	v

CHAPTER 1

INTRODUCTION

This section addressed general projects consisting of project background, issue statements, project goals, scopes, and project importance. The project's background will provide readers with an overview of what the project is all about. The issue declaration also relates to the present problems recognized as adherence to the project's need. In addition, the project's goal indicated the project's goal and outcome. Last but not least, the scope is justified and the project's meaning is discussed.

1.1 Project Background

Food charity is comparative not new in Malaysia. This is because we started give food or doing food charity since we are young. For an example, the neighbors gave foods to the neighbor who is poor. This statement was supported by Rosli Zakaria (2019) mentioned in New Straits Times where the neighbor who is known as Mardinah Dabe Martin help a poor family which provide rice and other essentials. Besides that, the tradition of giving dishes to the neighbors was a common thing (Rohimah, 2019).

In food and beverages industry point of view, every restaurants and hotels had food excess at the end of their operation hour every day and in order to decrease the food wastage in Malaysia they donate their edible food excess to the non-government organization(NGO) to share with the needs. For an example, Hotel Bangi Putrajaya was donating their surplus food to the Food Aid Foundation (FAF) during their month-long Ramadan buffet (Shahanaaz ,2016). Tesco