

Universiti Teknologi MARA

**Context-Aware Of Homestay
Recommendation Application**

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**Report submitted in fulfilment of the requirements
for Bachelor of Computer Science (Hons.) Faculty
of Computer and Mathematical Sciences**

January 2017

ACKNOWLEDGEMENT

Alhamdulillah, praises and thanks to Allah because of His Almighty and His utmost blessings, I was able to finish this report within the time duration given. Firstly, my special thanks go to my supervisor, Muhammad Atif Bin Ramlan for guiding me until the completion of this project. Not to forget, the encouragement and all the creative ideas that have been given to me. Special appreciation also goes to my beloved parents for always giving a moral support when I am having a difficulty in completing this project. Last but not least, I would like to give my gratitude to my dearest friends who are non-stop from giving answer for my entire questions and in completing my report.

ABSTRACT

Homestay is a product and services of tourism that gives an accommodation service which tourist can stay at temporary house. People can determine information about a particular location of homestay and then can detect where a location is placed by using the location detection technologies. The problem comes when the people need to detect the location of homestay accommodation based on their desires which is based on location, area, price, type of accommodation, and anything that can be related to their desired. In this paper, a homestay recommendation application is proposed to help people, especially travelers that want to find the homestay based on their preferences. This application uses the Context-Aware recommendation technique to recommend the homestay and also Global Position System (GPS) to navigate towards the coordinate of homestay. Context-Aware recommendation technique are a particular type of personalized technique which filters information and produces only what is relevant information to use. In the context-aware technique, the context factor which is the coordinate of homestay, type of house, area and price are used to filter the data. The user may state preferences for each of these context factor. Context-Aware technique will filter the each context of the data in the database to recommend the homestay based on the user preferences. Finally, it that the data based on user preferences. In the context of location, it used the GPS technique that can locate the place and also can determine the nearest location of homestay. For the result, the context-aware of homestay recommendation application will recommend the homestay based on the factor of context that the user choose and provide the location of homestay. The evaluation result are conduct by survey to test the functionality of the application that were evaluated by experts.

TABLE OF CONTENTS

CONTENT	PAGE
SUPERVISOR APPROVAL	ii
STUDENT DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xi
CHAPTER ONE: INTRODUCTION	
1.1 Background of study	1
1.2 Problem statement	4
1.3 Objective	5
1.4 Scope	5
1.5 Project significant	6
1.6 Research Methodology Framework	7
1.7 Summary	8
CHAPTER TWO: LITERATURE REVIEW	
2.1 Location Detection	9
2.1.1 Accommodation	10
2.1.2 Homestay	11
2.2 Mobile Computing	16
2.2.1 Device	16
2.2.2 Operating System	17
2.3 Android	18

2.3.1	Android architecture	19
2.3.2	Mobile Application	20
2.3.3	Type of mobile application	20
2.4	Recommendation System	21
2.4.1	Context aware recommender	22
2.5	Global Positioning System (GPS)	25
2.5.1	How GPS works	26
2.5.2	Location Based Services (LBS)	27
2.6	Google GPS API	27
2.7	Existing system	28
2.7.1	Cari Homestay	28
2.7.2	My Homestay	29
2.7.3	Homestay.com	29
2.8	Summary	30

CHAPTER THREE: RESEARCH METHODOLOGY

3.1	Introduction	31
3.2	Project methodology	31
3.3	Research Framework Methodology	32
3.4	Preliminary study	34
3.4.1	Data collection	34
3.5	Research design &Implementation	35
3.5.1	System design	35
3.5.2	Process flow	36
3.5.3	Entity relationship diagram	38
3.5.4	Use Case diagram	39
3.5.5	Design interface	39
3.6	Implementation	40
3.7	Result analysis/evaluation	41
3.8	Conclusion	41