Universiti Teknologi MARA

Real Estate Information Retrieval Mobile Application System Using Quick Response (QR) Code

Siti Aishah binti Ahmad Pisal

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

January 2019

ACKNOWLEDGEMENT

In the name of Allah, the Most Merciful and the Most Compassionate.

ABSTRACT

This project presents a mobile application development to retrieve real-time information on real estate property. Real estate market is one of the highly critical process as it involves the human right of property. It consumes a high rate of money profit or loss, including time taken for each process to be done properly. However, in the real estate market, issues such as poor rate of time responding and cases of misleading information may occur due to the difficulty of gaining the real-time data. Hence, this thesis represents a solution that combines the Quick Response (QR) code technology integrated in the mobile application to create a platform that give a good feature of time management and convenience of receiving data for user. The real estate data is taken from the residential area of the market only. Data from several cities in Selangor is used in this project development. The project incorporates Rapid Application Development methodology for the development guidance. The result from this project, which is the application, can be used by any responsible associations as its IT services for marketing and advertisement. The application can be further upgrade to facilitate the real estate industry market.

TABLE OF CONTENTS

CONTENT	PAGE

CHAPTER 1

INTRODUCTION

This chapter fundamentally sets the background for the research, portraying the role of an introduction to the study. It also provides an overview of the following points of the chapter such as the project background, problems statements, the objectives of the project, the scopes and the significance of the project.

1.1   Project Background

A real estate is a property that is made up of land and buildings on it, which also include the natural resources of the land. Real estate can be grouped into several categories based on its functionality which are residential, commercial, industrial and land. Residential real estate which people commonly know is it includes both any new construction projects and resale houses such as condominium, terrace and bungalow. Commercial real estate however includes buildings that is used to produce income and give profit such as the shopping malls, offices and hotels. Next is the industrial real estate which is buildings that is used for the production, manufacturing and research of products. Finally, the land category includes vacant land, working farms and ranches. The subcategories within vacant land include undeveloped, early development or reuse, subdivision and site assembly.("Real estate,")

The real estate industry involves many categories of individuals such as the agent, owner, buyer, property investors, appraisals and lawyers. Each of them with their own roles to be run in order for the any buying, renting or investing processes run smoothly.

1