


Mobile Reservation Application for Kedah Public Library Corporation (MRA-KPLC)

**A thesis submitted to the Graduate School in partial fulfillment of the requirements
for the degree Master of Science (Information and Connection Technology)
Universiti Utara Malaysia**

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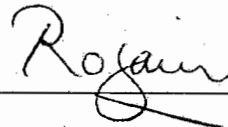
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ABSTRACT

Mobile technology enables people to access digital information located in the Internet or also beyond the reach of stationary Internet access. The focus of this project is to apply Mobile-application field, particularly in library services. To describe a development of mobile application to be prospect solution in Perbadanan Perpustakaan Awam Kedah or (Kedah Public Library Corporation). The research is dedicated to find new way for those who want to reserve library books and other functions like search source, loan issue, return, renew duration whenever they want, and wherever they are. The research provides methods and techniques to collect the data from interviews to analysis of data using multiple-methods and the Object-Oriented approach. The methodology phases of this project were adopted from Object Oriented Development Life Cycle. Lastly to evaluate this application, a questionnaire usability testing was conducted.

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CHAPTER ONE

INTRODUCTION

This chapter highlights introduction (see 1.1 section), it discusses the problem statement (see 1.2 section), significance of study (see 1.3 section), research question (see 1.4 section), objectives of research project (see 1.5 section), Research Scope (see 1.6 section), and report structure (see 1.7 section).

1.1 Introduction

In the last two centuries mobility has been redefined, both physical and virtual objects are now mobile. Mobility of physical objects relate to movement of matters, whereas movements of virtual objects relate to movements of bits and bytes (Talukder & Yavagal, 2007). The past century has brought about many changes in information and communications technology, from the invention of the telephone and broadcast technologies to the invention of the personal computer and the internet. These changes have enabled us to exchange information with other individuals and to retrieve data from vast databases instantly (Milroy, et al, 2002; Trappey, et al, 2004). Nowadays, self dealing of library material and other self-service activities are becoming increasingly prevalent as users are given more choice over how they manage their library support, not only do the users have more control, but also self-service helps others by cutting down the need for queuing and releasing staff time to concentrate on providing other value services such as information handling skills training and individual tutorial help (Morgan & Atkinson, 2000).

According to Madam Nurina, a system analyst from Kedah Public Library Corporation-KPLC or (Perbadanan Perpustakaan Awam Kedah), the library has been established in 1978 in Alor Star City, between that year up to 1993 the library was moved from one location to another. Finally, in 1994 the present Sultan of Kedah opened the new site for library located in Jalan Kolam Air within the city center. KPLC plays a vital role to disseminate knowledge among the city community, and its objectives:

- a. To provide useful free and unlimited information.

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the thesis is for
internal user
only

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