PRINTING SERVICE ON THE GO

NURUL HUSNA TASNIM BT MOHAMAD ZAMRI

A thesis submitted in fulfilment of the requirements for the award of the degree of Bachelor of Computer Science (Software Engineering)

Faculty of Computer System and Software Engineering

UNIVERSITI MALAYSIA PAHANG

DECEMBER 2018
ACKNOWLEDGEMENTS

I would like to express my deepest appreciation to all those who gave me the encouragement to finish this report. A special gratitude I dedicate to my final year project advisor Dr. Al-Fahim Bin Mubarak Ali for guiding and gave various suggestions while completing the project and also during process of writing this report. Sincerely thanks for those who motivated me to do this project well and help to point out errors and flaws.

Furthermore, I would like to acknowledge other lecturers and friends, who gave me their support and guiding me in finishing this report. A special thanks goes to my fellow classmates, who help me completing this report by spending their time to answer all of my questions.
ABSTRACT

Printing Service on the Go is a mobile application that is aimed for UMP student which purposes to help student find a place to print the assignments. The problems that are faced by UMP students regarding to this project are unaware the amount of the printing service shop available around UMP, insufficient time to find a place to print and have to spend most of the time just to line up in printing shop in UMP to print the assignment/s. The goal of this project is to develop a printing service on the go that is specific for UMP students. Rapid Application Development (RAD) is the methodology used for this project. Overall, this mobile application could solve the problem among UMP student to print the assignments.
# TABLE OF CONTENT

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE PAGE</td>
<td></td>
</tr>
<tr>
<td>ACKNOWLEDGEMENTS</td>
<td>ii</td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>iii</td>
</tr>
<tr>
<td>TABLE OF CONTENT</td>
<td>iv-v</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>vi</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>vi</td>
</tr>
<tr>
<td>LIST OF ABBREVIATIONS</td>
<td>vi</td>
</tr>
<tr>
<td>CHAPTER 1 INTRODUCTION</td>
<td>1</td>
</tr>
<tr>
<td>1.1 Introduction</td>
<td>1</td>
</tr>
<tr>
<td>1.2 Problem Statement</td>
<td>2</td>
</tr>
<tr>
<td>1.3 Objective</td>
<td>2</td>
</tr>
<tr>
<td>1.4 Scope</td>
<td>2</td>
</tr>
<tr>
<td>1.5 Thesis Organization</td>
<td>3</td>
</tr>
<tr>
<td>CHAPTER 2 LITERATURE REVIEW</td>
<td>4</td>
</tr>
<tr>
<td>2.1 Introduction</td>
<td>4</td>
</tr>
<tr>
<td>2.2 Review of Existing System</td>
<td>5</td>
</tr>
<tr>
<td>2.2.1 Excard Go</td>
<td>6</td>
</tr>
<tr>
<td>2.2.2 e-print</td>
<td>7</td>
</tr>
<tr>
<td>2.2.3 xPrint</td>
<td>7</td>
</tr>
<tr>
<td>2.3 Comparison Existing System</td>
<td>8</td>
</tr>
</tbody>
</table>
CHAPTER 3 METHODOLOGY

3.1 Introduction
3.2 Rapid Application Development (RAD) Methodology
3.3 Requirement Planning Phase
3.4 User Design Phase
3.5 Construction Phase
3.6 Cutover Phase
3.7 Hardware and Software

CHAPTER 4 IMPLEMENTATION, TESTING AND RESULT DISCUSSION

4.1 Introduction
4.2 Implementation
4.3 Testing and Result Discussion

CHAPTER 5 CONCLUSION

5.1 Introduction
5.2 Project Constraint
5.3 Future Work

REFERENCES

APPENDICES & APPENDIX A: SOFTWARE REQUIREMENT SYSTEM (SRS)

APPENDIX B: SOFTWARE DESIGN DOCUMENT

APPENDIX C: GANTT CHART

APPENDIX D: USER ACCEPTANCE TEST (UAT)
LIST OF TABLES

Table 2.1  Comparison Existing System  9
Table 3.1  List of Software Items  14

LIST OF FIGURES

Figure 2.1  Login/Register of Excard Go  5
Figure 2.2  Menu of Excard Go  6
Figure 2.3  Main Page of e-print  7
Figure 2.4  Main Page of xPrint  8
Figure 3.1  Rapid Application Development Phase  9

LIST OF ABBREVIATIONS

UMP  Universiti Malaysia Pahang
UML  Unified Model Language
RAD  Rapid Application Development
DFD  Data Flow Diagram
SRS  Software Requirement System
SDD  Software Design Document
UAT  User Acceptance Test
CHAPTER 1

INTRODUCTION

1.1 Introduction

There are many courses offered in this university and for each courses there will be an average like 5 subjects taken by UMP students. Each subject will definitely have different type of assignments assigned to it by lecturers like it could be one or more. In order to complete the assignments, some of the subject required hardcopy submission which means it needs to print. Mostly UMP students tend to finish the assignment on last minute which results in facing difficulties to find place to print it in such short amount of time. Plus, there are still many students who are in fact unaware of the actual number of shops that are available in UMP that runs the printing service. For example, in a case where students who took Final Year Project (FYP) subject which the printing is crucial for them because they have to print out the report and it needs more than one copy.

So a mobile application called Printing Service on the Go could be immensely a great solution for the situation above. Additionally, most of people in the world including students are using smartphone for literally everything from business to educational purposes. It is better to utilize the opportunity by developing a helpful application like this on mobile platform for students to print out their assignment efficiently. With this application, they have options to choose shops around UMP that they never heard of before, fill the assignment details, select printing details and pick time to collect it. This way is more convenient rather than print the assignments on the spot.
1.2 Problem Statement

The problems that are faced by UMP students regarding to this project are including:

i. Unaware the amount of the printing service shop available around UMP.

ii. Insufficient time to find a place to print.

iii. Have to spend most of the time just to line up in printing shop in UMP to print the assignment/s.

1.3 Objective

The goal of this project is to develop a printing service on the go that is specific for UMP students. In order to achieve the objective, this is following sub objectives need to be fulfilled:

i. To design a mobile application system for Printing Service on the Go.

ii. To develop a mobile application system for Printing Service on the Go.

iii. To evaluate a mobile application system for Printing Service on the Go.

1.4 Scope

The application will focus on mobile application development which will be available only on Android.
References


xPrint - Online Printing Malaysia. (n.d.). Retrieved from xPrint: http://www2.xprint.co/eprinting/visitor/

xPrint - Online Printing Malaysia. (n.d.). Retrieved from xPrint: http://www2.xprint.co/eprinting/visitor/about_xprint.aspx