Universiti Teknologi MARA

MyClinic: Location Awareness Mobile Application using Geo-Fencing

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STUDENT’S DECLARATION

I certify this report and the research is the product of my own work and any of idea or quotation from the work of other people, published or otherwise are fully acknowledge in accordance with the standard referring practices of the discipline.

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MyClinic is a mobile application that implement location awareness technique by using geo-fencing. Location awareness refers to the devices that can determine their location either passively or actively. At this moment, government clinics patient often wasting their time at the clinics waiting for treatment due to the numbers of patient keep increasing. They also find that it is tough to find and save the nearest government clinics number phone. Therefore, this project has proposed MyClinic application which has been developed to be used at government clinics in Malaysia. By using this application, the user can take queue number using the application when they are in the geo-fencing of the clinics. It also gives a help for the user to contact the nearest government clinic by using this application with the help of Google Places API. The project has been successfully developed. The application also has been evaluated in terms of the waiting time. The results show that the waiting time have been affected by the network coverage used by the user. The average waiting time for 4G network coverage is within 4 seconds. In conclusion, MyClinic can help in providing the queue numbers taking process by mobile phone and help contacting nearest government clinics.
TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>CONTENT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUPERVISOR APPROVAL</td>
<td>ii</td>
</tr>
<tr>
<td>STUDENT DECLARATION</td>
<td>iii</td>
</tr>
<tr>
<td>ACKNOWLEDGMENT</td>
<td>iv</td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>v</td>
</tr>
<tr>
<td>TABLE OF CONTENTS</td>
<td>vi</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>x</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>xii</td>
</tr>
<tr>
<td>LIST OF ABBREVIATIONS</td>
<td>xiii</td>
</tr>
</tbody>
</table>

CHAPTER ONE: INTRODUCTION

1.1 Project Background 1
1.2 Problem Statement 2
1.3 Project Objective 4
1.4 Scope of the Project 5
1.4.1 User 5
1.4.2 Device 5
1.4.3 Functionality 5
1.5 Significance of the Project 6
CHAPTER TWO: LITERATURE REVIEW

2.1 Health Facility in Malaysia 7
2.2 Mobile Application 9
   2.2.1 Mobile Operating System 10
   2.2.2 Types of Mobile Application 11
2.3 Queue Management Concept 13
2.4 Location Based Service Technique 14
2.5 Application Programming Interface (API) 16
   2.5.1 Google Places API 16
2.6 Identification and Data Capture 17
2.7 Related Work 19
   2.7.1 BookDoc 19
   2.7.2 MHC Clinic Network Locator 21
   2.7.3 GetDoc 22
   2.7.4 Comparison 23
2.8 Conclusion 23

CHAPTER THREE: METHODOLOGY

3.1 Waterfall Model 25
3.2 Information Gathering Phase 27
3.3 Design Phase 34
   3.3.1 MyClinic Architecture 35
   3.3.2 Activity Diagram 37
   3.3.3 Entity Relationship Diagram 38
   3.3.4 Interface Design 39
3.4 Implementation Phase 49