DESIGN MOBILE GUIDE FOR TIOMAN ISLAND

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DESIGN MOBILE GUIDE FOR TIOMAN ISLAND

A thesis submitted to the Graduate School in partial fulfillment of the requirements for the degree Master of Science (Information and Communication Technology)

University Utara Malaysia

By

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ABSTRACT

WAP is positioned at the convergence of two rapidly evolving network technologies, wireless data and the Internet. Both the wireless data market and the Internet are growing very quickly and are continuously reaching new customers. The explosive growth of the Internet has fuelled the creation of new and exciting information services. The goals of this research was to developed mobile guide application for Tioman Island using WAP technology that supports the use of smart phone for the benefits of tourists. The development process and problems encountered when designing the prototype was discussed. The usability testing conducted in this research revealed the WAP site application is effective.
ACKNOWLEDGEMENTS

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<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ARPA</td>
<td>Advance Research Projects Agency</td>
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<tr>
<td>WWW</td>
<td>World Wide Web</td>
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<td>API</td>
<td>Application Programming Interface</td>
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<td>JDBC</td>
<td>Java Database Connectivity</td>
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<td>HTTP</td>
<td>HyperText Terminal Protocol</td>
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<tr>
<td>HTML</td>
<td>HyperText Markup Language</td>
</tr>
<tr>
<td>SQL</td>
<td>Structure Query Language</td>
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<tr>
<td>TAM</td>
<td>Technology Acceptance Model</td>
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<tr>
<td>SDLC</td>
<td>Software Development Life Cycle</td>
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<tr>
<td>OOSAD</td>
<td>Object-oriented System Analysis and Design</td>
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<tr>
<td>CSS</td>
<td>Cascading Style Sheets</td>
</tr>
<tr>
<td>UML</td>
<td>Unified modeling Language</td>
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<tr>
<td>OMG</td>
<td>Object Management Group</td>
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<tr>
<td>WTTC</td>
<td>World Travel and Tourism Council</td>
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<tr>
<td>WTO</td>
<td>World Tourism Organization</td>
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<td>WAP</td>
<td>Wireless Application Protocol</td>
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<tr>
<td>WML</td>
<td>Wireless Markup Language</td>
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<tr>
<td>VGUI</td>
<td>Visualization and Usability</td>
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<tr>
<td>WAE</td>
<td>Wireless Application Environment</td>
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<tr>
<td>WSP</td>
<td>Wireless Session Protocol</td>
</tr>
<tr>
<td>WTP</td>
<td>Wireless Transaction Protocol</td>
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<tr>
<td>TLS</td>
<td>Transport Layer Security</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
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<tr>
<td>SSL</td>
<td>Secure Sockets Layer</td>
</tr>
<tr>
<td>WDP</td>
<td>Wireless Datagram Protocol</td>
</tr>
<tr>
<td>GSM</td>
<td>Global System for mobile communication</td>
</tr>
<tr>
<td>GPRS</td>
<td>General Packet Radio Service</td>
</tr>
<tr>
<td>ERD</td>
<td>Entity Relationship Diagram</td>
</tr>
<tr>
<td>CDMA</td>
<td>Code Division Multiple Access</td>
</tr>
<tr>
<td>UMTS</td>
<td>Universal Mobile Telephone System</td>
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CHAPTER ONE

INTRODUCTION

This chapter briefly elaborates the main idea of this work, providing answer of the question why the study was conducted and what is the main element involved in the study. The first sub-topic describes the overall idea in this study through the scenario and motivation that lead to the implementation of the whole thesis. This is followed by the problem statement, objectives of the study, significance of the study and scope of the study. The last sub-topic elaborates the way this thesis is organized.

1.1 Background

Tourism in Malaysia has to convince the state. In fact, has become one of the contributors to the economic growth in Malaysia. Although the tourism sector is clearly developing in these days, but the growth of the tourism industry has started since in 1970. At the same time, the Malaysia's economy was largely dependent on primary commodities, including rubber, palm oil and timber. But then the government has taken steps to create more sources of economic growth through recognition of the service industry as one of the contributors, including tourism. As a result of the constant effort of development in the field of tourism in 1987 in the tourism industry in Malaysia is ranked fifth in terms of potential revenue from
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