ASTRONOMICAL & SPACE SCIENCE PORTAL

INFORMATION SYSTEM DESIGN FOR LCRSSS CENTER IN
LIBYA

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ABSTRACT

The internet technologies are rapidly increasing. The aim of the study is to design and develop an astronomical & space science portal information system (WASSIS). The WASSIS is a real-time application system which provides a convenient graphics user interface (GUI) for both user and Libyan Centre for Remote Sensing and Space Science (LCRSSS) staff. It allows user to make self-registration to become as member of the system, update information, view announcement, view astronomical and space information time-to-time. It also allows administrator to manage user/staff account and view report. All of the services are possible anywhere at any time.
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# TABLE OF CONTENT

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERMISSION TO USE</td>
<td>i</td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>ii</td>
</tr>
<tr>
<td>ACKNOWLEDGEMENT</td>
<td>iii</td>
</tr>
<tr>
<td>TABLE OF CONTENT</td>
<td>iv</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 CHARTS</td>
<td>xii</td>
</tr>
<tr>
<td>LIST OF ABBREVIATIONS</td>
<td>xiii</td>
</tr>
</tbody>
</table>

## CHAPTER 1: INTRODUCTION

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 Background</td>
<td>1</td>
</tr>
<tr>
<td>1.2 Problem Statement</td>
<td>3</td>
</tr>
<tr>
<td>1.3 Research Objectives</td>
<td>3</td>
</tr>
<tr>
<td>1.4 Research Questions</td>
<td>4</td>
</tr>
<tr>
<td>1.5 Research Scopes</td>
<td>4</td>
</tr>
<tr>
<td>1.6 Significance of the Research</td>
<td>4</td>
</tr>
<tr>
<td>1.7 Thesis Organization</td>
<td>5</td>
</tr>
</tbody>
</table>

## CHAPTER 2: LITERATURE REVIEW

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1 Concepts and Definition</td>
<td>6</td>
</tr>
<tr>
<td>2.1.2 WEB and Internet</td>
<td>7</td>
</tr>
<tr>
<td>2.1.2 The WWW</td>
<td>7</td>
</tr>
<tr>
<td>2.1.3 Web-based System</td>
<td>8</td>
</tr>
</tbody>
</table>
CHAPTER 3: RESEARCH METHODOLOGY

3.1 Research Methodology 18
   3.1.1 Selection & Planning 19
   3.1.2 Requirement Analysis 19
      3.1.2.1 Hardware & Software Requirements 20
   3.1.3 Design Requirement Model 22
      3.1.3.1 Design Use Case Diagram 23
   3.1.4 Write Codes 26
   3.1.5 Functionality Test 26

3.2 Summary 26

CHAPTER 4: FINDINGS

4.1 Analysis Approach 27
   4.1.1 Project Selection & Planning 27
   4.1.2 Requirements Analysis 27
      4.1.2.1 Current System 27
      4.1.2.2 Data Acquisition 28
4.2 Use Case Specification

4.3 Sequence Diagram

4.3.1 Login [WASSIS_UCD001]

4.3.2 View General Info [WASSIS_UCD002]

4.3.3 Join Forum [WASSIS_UCD004]

4.3.4 Do Registration [WASSIS_UCD005]

4.3.5 View Announcement [WASSIS_UCD007]

4.3.6 Add Announcement [WASSIS_UCD008]

4.3.7 Add Member Account [WASSIS_UCD010]

4.3.8 Edit Member Account/Profile [WASSIS_UCD011]

4.3.9 View Member Profile [WASSIS_UCD010]

4.3.10 Delete Member Account [WASSIS_UCD013]

4.3.11 Search Member Account [WASSIS_UCD014]

4.3.12 Add User Account [WASSIS_UCD015]

4.3.13 Edit User Account [WASSIS_UCD016]

4.3.14 View User Profile/Account [WASSIS_UCD017]

4.3.15 Delete User Account [WASSIS_UCD018]

4.3.16 Search User Account [WASSIS_UCD019]

4.3.17 Request Password [WASSIS_UCD020]

4.3.18 Change Password [WASSIS_UCD021]

4.4 Class Diagram

4.5 Functionality Testing

4.5.1 Login Interface

4.5.2 View General Info

4.5.3 Join Forum
4.5.4 Do Registration
4.5.5 View Announcement
4.5.6 Add Announcement
4.5.7 Add Member Account
4.5.8 Edit Member Account/Profile
4.5.9 View Member Profile
4.5.10 Delete Member Account
4.5.11 Search Member Account
4.5.12 Add User Account
4.5.13 Edit User Account
4.5.14 View User Profile/Account
4.5.15 Delete User Account
4.5.16 Search User Account
4.5.17 Request Password
4.5.18 Change Password
4.6 User Feedback and Functionality Testing Result
4.7 Summary

CHAPTER 5: DISCUSSION AND CONCLUSION
5.1 Recommendation
5.2 Future Work
5.3 Conclusion

REFERENCES
LIST OF FIGURES

Figure 2.1: General Web Portal System Architecture

Figure 2.2: Web Content Information Architecture

Figure 2.3: Web Content Structure based on Web Layer

Figure 3.1: Agile Software Development Methodology (XP Approach)

Figure 3.2: Use Case Diagram

Figure 4.1: Sequence Diagram for Login

Figure 4.2: Login Interface

Figure 4.4: View General Info Interface

Figure 4.5: Sequence Diagram for Join Forum

Figure 4.6: Join Forum Interface

Figure 4.7: Sequence Diagram for Registration

Figure 4.8: Registration Interface

Figure 4.9: Sequence Diagram for View Announcement

Figure 4.10: View Announcement Interface

Figure 4.11: Sequence Diagram for Add Announcement

Figure 4.12: Add Announcement Interface

Figure 4.13: Sequence Diagram for Add Member Account

Figure 4.14: Add Member Account Interface

Figure 4.15: Sequence Diagram for Edit Member Profile/Account

Figure 4.16: Edit Member Account Interface

Figure 4.17: Sequence Diagram for View Member Profile

Figure 4.18: View Member Profile Interface

Figure 4.19: Sequence Diagram for Delete Member Account

Figure 4.20: Delete Member Account Interface
Figure 4.21: Sequence Diagram for Search Member Account
Figure 4.22: Search Member Account Interface
Figure 4.23: Sequence Diagram for Add User Account
Figure 4.24: Add User Account Interface
Figure 4.25: Sequence Diagram for Edit User Account
Figure 4.26: Edit User Account Interface
Figure 4.27: Sequence Diagram for View User Account/ Profile
Figure 4.28: View User Profile Interface
Figure 4.29: Sequence Diagram for Delete User Account
Figure 4.30: Delete User Account Interface
Figure 4.31: Sequence Diagram for Search User Account
Figure 4.32: Search User Account
Figure 4.33: Sequence Diagram for Request Password
Figure 4.34: Request Password Interface
Figure 4.35: Sequence Diagram for Change Password
Figure 4.36: Change Password Interface Figure
Figure 4.37: Class Diagram
Figure 4.38: Login Interface
Figure 4.39: View General Info Interface
Figure 4.40: Join Forum Interface
Figure 4.41: Registration Interface
Figure 4.42: View Announcement Interface
Figure 4.43: Add Announcement Interface
Figure 4.44: Add Member Account Interface
Figure 4.45: Edit Member Account Interface
LIST OF TABLES

Table 3.1: Hardware Requirements
Table 3.2: Software Requirements
Table 3.3: List of Software Tools and Programmer Languages
Table 3.4: Use Case Look-up Table

LIST OF ABBREVIATIONS

ASP  Active Server Page
IIS  Internet Information Service
MCQ  Multiple Choice Question
OO  Object-Oriented
CHAPTER 1

INTRODUCTION

1.1 Introduction

Web informational system or portal technology has been used to aggregate scattered, distributed information, application and processes across world boundaries. A web portal system provides the clients a single point of access to information and applications regardless of their location or storage mechanism. Through the portal system, multiple applications can be accessed, related and integrated into a workflow. It provides a centralized storage of information and a unified hub to the integrated information, application and services. Clients can access to multiple system or application via the web portal with a single registration and authentication (Awre, 2002).

The web services model can be implemented using a web portal system. Applications and information sources are wrapped and deployed as individual web portals, which are web services units that a web portal system can integrated and reuse. Web portals are subprograms that encapsulate a single or a number of web applications (Dar, 2008). Web portals contain in a portal system and become visible and accessible via the portal system. The sessions and user preferences of each portlet are also stored and managed in the portal system.
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