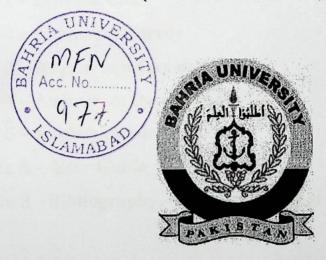
Web Portal of city Islamabad

FINAL PROJECT REPORT

Developed by

Muhammad Haroon Rashid

(Roll Number 144002-014)



Supervised by Mrs. Farzana Khan

This Report is submitted to Bahria University in partial fulfillment for the requirements of the degree of Masters in Computer Science

Department of Computer Sciences

Bahria Institute of Management & Computer Sciences, Islamabad

Bahria University Islamabad

Table of Contents

List of Figures	4
Dedication	4
Acknowledgements	5
Preface	6
Abstract	7
Approvals	9
Chapter 1 – Introduction	11
Chapter 2 – Literature Survey	15
Chapter 3 – Requirement Analysis	17
Chapter 4 – Analysis & Design Phase	24
Chapter 5 – Implementation & Testing	43
Appendix A – User Guide	49
Appendix B - Bibliography - Books & Internet resources used	70

Table Of Contents

1	Introduction	11
1.1	Introduction to Internet	11
1.2	World Wide Web (www)	12
1.3	Project Background	12
1.4	Objectives & Benefits	13
1.5	Scope	13
2	Literature Survey	15
2.1	History of Portals	15
2.2	Types of Portals	15
2.2.1	Public Portals	15
2.2.2	Vertical Portals	15
2.2.3	Enterprise portals	15
2.3	Future portals	16
3	Requirement Analysis	17
3.1	Proposed system	17
3.1.1	User Interface	17
3.1.2	Administrator Interface	18
3.2	System Modules	19
3.2.1	User Module	19
3.2.2	Members Module	22
3.2.3	Administrators module	22
4	Analysis & Design Phase	24
4.1	Tools & Technologies	24
4.2	Functional Behavior	24
4.2.1	User Side	24
4.2.2	Administrator Side	24
4.3	Non-Functional Behavior	26
4.3.1	Correctness	26
4.3.2	Efficiency	26
4.3.3	User friendly Interface	27
4.3.4	Security	27
4.4	Web design	28
4.4.1	Main.asp	28
4.4.2	Job members area	33
4.5	Data Flow Diagram (DFD's)	39
4.5.1	Business Registration	39
4.5.2	User Registration & login	40
4.5.3	Search function	41
4.5.4	Article	41
4.5.5	Upload Registered Organization	42

5	Implementation & testing	43
5.1	Database design	43
5.2	Evaluation & testing	48
5.2.1	Tests conducted	48
5.2.2	Hardware platform testing	48
5.2.3	Software platform testing	48
Appendix - A	User Manual	49
	User Side	49
	Job registration	60
	Administrator area	65
Annendix – B	Ribliography	70

List Of Figures

Fig 3.1	Proposed facilities to be provided in user module	21
Fig 3.2	Proposed facilities to be provided in Administrator module	23
Fig 4.1	Main page	28
Fig 4.2	Business categories	29
Fig 4.3		30
Fig 4.4	Search function	31
Fig 4.5	Guest page	32
Fig 4.6	User registration	33
Fig 4.7	User profile	36
Fig 4.8	Unsubscribe	37
Fig 4.9	Maps of Islamabad	38
Fig 4.10	Business registration (DFD)	39
Fig 4.11	User registration & login (DFD)	40
Fig 4.12	Search function (DFD)	41
Fig 4.13	Viewing an article (DFD)	41
Fig 4.14	How the Administrator uploads an organization (DFD)	42

DEDICATION

I Dedicate this
Project to my Loving
Parents

&

teachers
In my whole educational career.
Without their help I would
Not have been able to
Succeed.

ACKNOWLEDGEMENTS

I am very grateful to the almighty Allah Who gave me the knowledge, courage and insight to complete this project.

I also acknowledge the help of all the persons who helped me in this project. First of all I would thank "Mrs. Farzana Khan" for supervising this project. Her advices and directions helped me a lot in documenting this project.

I would also like to thank "Mr. Shahzad Ali Qureshi" for teaching us Web development and ASP during our 1st semester. Today when I am able to do a lot of good work in ASP, I can't forget the dedication and hard work with which he taught us.

I cannot also forget the valuable help provided by my office seniors especially "Mr. Aleem Ahmed" and "Mr. Shahbaz Ghias" for helping me develop the graphics for this web portal.

Finally, I would like to acknowledge that Bahria University has given us a professional sense and has advanced us to the practical life.

PREFACE

It is a matter of great pleasure for me to complete the task of preparation of this report. I want to mention here that despite a lot of proof reading, there might be some misprints or use of inaccurate words. I fully take responsibility for such an occurrence and I shall be very thankful to the readers who point out any mistakes. Any suggestions for improvement would also be highly appreciated.

ABSTRACT

With the passage of time, progress of science by leaps and bounds in the life of human beings is shaping, tuning and turning towards luxury. Man is busy in molding the life towards the ease not only in his home but also in his offices. With the rapid development of web sites, the concept of web portal took birth. A web portal is a super site on the Internet that provides a comprehensive entry point for a huge array of resources and services.

City web portals are typically helpful to not only domestic Internet users but also to foreigners. City web portals may contain not only the above facilities but also may contain additional things such as city maps, complete address and contact number lists of all the hotels and restaurants, bakeries, hospitals, clinics, laboratories, schools, colleges, universities, book shops, superstores, clubs, cinemas, video shops, boutiques and what not.

Although this is a very vast topic and need a lot of research and hard work, I have tried my level best to develop a web portal while considering a few of its aspects.

This web portal will not only help the Pakistani people but the foreigners as well, especially the tourists. It provides a detailed address list of all kind of businesses mentioned above, a complete set of maps, showing all the important locations in Islamabad city. The portal provides the user the facility to see the map of every sector of Islamabad. It also provides the companies a facility to advertise their jobs and also provide a facility to the job seekers to apply for these jobs on-line. This web portal contains the web links to all government offices and ministries as well. It has also got information and pictures of important locations like the president's house, Supreme court of Pakistan, Parliament house, Serena Hotel, Shah Faisal mosque, Shakar Pahrian. The portal also gives the users the ability to send free "Web SMS". The users can also get up to date information on PIA flight schedules and Railways schedule. The news section of this portal gives up-to-date national and international news, business and sports news. It also contains links to national newspaper websites and websites of international news

broadcasting agencies like CNN, BBC, Reuters and Skynews. The portal also provides the user the ability to post a question, comments or suggestions to the administrator.

The portal will have a separate administrator section as well. This will facilitate the administrators to run the web portal in an efficient manner.

CERTIFICATE

We accept the work contained in this report as confirming to the required standard for the partial fulfillment of the degree of MCS with specialization in "Computer Networks".

Head of Department

Supervisor

nternal Examiner

External Examiner