

Final Year Project Report



Seek Restaurant System

By

Ammarah Khalid	14476	BSE
Zehra Naqvi	14497	BSE

Project Advisor: Engr. Tazeen Muzzamil

Deliverables

Report 1 Volume

Software 1 CD

Department of Software Engineering
Bahria University Karachi Campus 2012

Acknowledgments

First of all we would like to thank all those who supported us to make this project possible. Secondly, we would like to thank the Head of Department for providing us with the platform, resources and facilities required for this project.

We would also like to thank our supervisor Engr. Tazeen Muzzamil, as without her help, guidance, suggestions and encouragements, this project was not possible.

We would also like to thank Mr. Usman Waheed our Project Co-coordinator for their invaluable help and support.

This report could not have been written without Mr. Usman Waheed who served us by helping and providing us with necessary guidelines not only in the development of the project but also in the preparation of this report.

Especially, we would like to give our special thanks to ALLAH who enabled us to complete this project.

Abstract

Seek restaurant system is an online web application which provide users and customers an adequate amount of information about cheapest and the nearby restaurants from there locality for them to make an informed choice about where to eat. Main objective to build this website is to provide customer the facility to order service through SMS and to search for restaurants by cuisine, name and city. As a result of this searching, website provides particular restaurant location in the map. This website is designed taking into account the possible scenarios of two people choosing a restaurant first is the viewer or user and second is the hotel manager. To come to an agreement two users need:

- Access to the list of available restaurants and a filtering system like a search engine.
- Access to restaurant information.

It maintains the employee information and update restaurant information. The site allow customer to choose the services offered by the restaurant and order for food under restaurant's exclusive home delivery service. Our website also provides rating option for food and restaurants. Top 5 names of rated food or restaurants give user choice to pick the most preferred restaurant. Hence Seek Restaurant is the website where user can order food and can choose from where to eat; moreover it allows other restaurant to register them self so it can be very beneficial and valuable for them to express their new services and get it liked by customer and users.

Table of Content

1. Introduction	2
1.1. Reporter's Questions:	2
1.2. Report Structure:.....	3
1.2.1. Introduction.....	3
1.2.2. Background and Literature Review.....	4
1.2.3. Aim and statement of the Problem.....	4
1.2.4. System Analysis and Design	4
1.2.5. Implementation.....	4
1.2.6. Testing.....	4
1.2.7. Results	4
1.2.8. Discussion	4
1.2.9. Conclusion.....	5
1.2.10.Future Work.....	5
2. Background and Literature Review	7
2.1. Conduct Survey:	8
2.2. Existing Systems:	8
3. Aim and Statement of Problem	11
3.1. Problem Statement.....	11
3.2. Aim of the Project.....	11
3.3. Scope of the Project	11
4. System Analysis and Design (SAD)	14
4.1. Capturing Requirements	14
4.1.1. Interview	14
4.1.2. Questionnaire.....	14
4.1.3. Observations.....	15
4.1.4. Research	15
4.2. Related Algorithms.....	15
4.3. Project Plan	15
4.3.1. Total Number of days for Analysis phase 9 weeks	15
4.3.2. Total Number of days for Design phase 10 weeks.....	15
4.3.3. Total Number of days for Implementation Phase 17 weeks.....	16
4.3.4. Total Number of days for Testing Phase 1 weeks	16
4.4. Risk Management Table.....	16
4.5. Feasibility Report.....	18
4.5.1. Technical Feasibility	19
4.5.2. Operational Feasibility	19
4.5.3. Economic Feasibility.....	22

4.6. Diagrams and Use cases:	23
4.6.1. Actor Use case Diagram-.....	23
4.6.2. Use case.....	24
4.6.3. Deployment Diagram.....	32
4.6.4. Component Diagram.....	32
4.6.5. Context Diagram.....	33
4.6.6. Data Workflow Diagram.....	34
4.6.7. Entity Relation Diagram.....	35
4.6.8. Decomposition Diagram.....	36
4.6.9. Sequence Diagrams.....	37
5. Implementation	41
6. Testing	58
6.1. White box Testing:	58
6.1.1. Modify Authenticated Restaurants.....	58
6.1.2. Delete Authenticated Restaurants.....	60
6.1.3. Add Restaurant Owner.....	61
6.1.4. Manage Restaurant.....	63
6.2. Black Box Testing	66
7. Results	69
8. Discussion	71
9. Conclusion	73
10. Future Work	75
11. Refrences	77
12. Appendix	79
12.1. Appendix 1: Screen Shots	79
12.2. Appendix 2: Survey on Online Food Service	83
12.3. Appendix 3: IEEE paper	84
I. <i>Introduction</i>	85
II. <i>Background and Literature Review</i>	85
III. <i>Aim and statement of the Problem</i>	85
IV. <i>System Analysis and Design</i>	85
V. <i>Testing Results</i>	85
VI. <i>Discussion</i>	85
VII. <i>Future Work</i>	85
VIII. <i>Conclusion</i>	85
12.4. Appendix 4: Power Point Presentation	89