

**SWE-431 Project / Thesis**

**Project Documentation**

**WEDDING WITNESS (An event management firm)**

**Supervised by:**

**Mr. Md Fahad Bin Zamal**

Assistant Professor

Department of Software Engineering

Daffodil International University

**Submitted by:**

**Ovishak Roy Chowdhury Pritom**

171-35-1886

Department of Software Engineering

Daffodil International University

**Acknowledgment**

First of all, I would like to thank to the Almighty for giving me the grace to complete this project well. Then I would like to thank my advisor Mr. Md Fahad Bin Jamal Assistant Professor, Daffodil International University. I am truly grateful to him. His experience, concentration, skills, valuable direction and encouragement have given me tremendous inspiration to complete this project. It is doubtful that I would not have been able to complete this project without his support and guidance. I am also grateful to those who have unselfishly helped me to complete this project. As a software department student, I don't want to miss the opportunity to thank my faculty members.

Table of Contents

Chapter 1.......................................................................................................................................................1

Introduction ..................................................................................................................................................1

1.1 Project Overview ............................................................................................................................1

1.2 Project Purpose ...............................................................................................................................2

1.2.1 Background..................................................................................................................................2

1.2.2 Benefits & Beneficiaries..............................................................................................................2

1.2.3 Goals............................................................................................................................................3

1.3 Stakeholders....................................................................................................................................3

1.4 Proposed System Model .................................................................................................................4

1.5 Project Schedule .............................................................................................................................5

1.5.1 Gantt Chart...................................................................................................................................5

1.5.2 Release Plan or Milestone............................................................................................................6

Chapter 2.......................................................................................................................................................7

2.1 Functional Requirements................................................................................................................7

2.1.1 Login for Shop Owner .................................................................................................................9

2.1.2 Shop Owner post for Employee...................................................................................................9

2.1.3 Shop Owner see candidate list .....................................................................................................9

2.1.4 Shop Owner accept/reject Candidate profile..............................................................................10

2.1.5 Shop Owner post for Meal service.............................................................................................10

2.1.6 Shop Owner get accept/reject notification for Meal service......................................................10

2.1.7 Shop Owner can view their own profile ....................................................................................11

2.1.8 Shop Owner can view their recent post......................................................................................11

2.1.9 Shop Owner can view their previous post..................................................................................11

2.1.10 Login for Admin ......................................................................................................................12

2.1.11 Admin can Shop Owner registration........................................................................................12

2.1.12 Admin get Employee recruitment request ...............................................................................12

2.1.13 Admin sent Candidate profile to Shop Owner.........................................................................13

2.1.14 Admin add new Candidate.......................................................................................................13

2.1.15 Admin view Shop Owner and Candidate profile .....................................................................13

2.1.16 Admin can delete Shop Owner and Candidate profile.............................................................14

2.1.17 Admin accept/reject Meal service request ...............................................................................14

2.1.18 Admin view the recent post .....................................................................................................14

2.1.19 Admin view the previous post .................................................................................................15

2.2 Data Requirements........................................................................................................................15

2.3 Performance Requirements...........................................................................................................15

2.3.1 Speed and Latency Requirements..............................................................................................16

2.3.2 Precision or Accuracy Requirements.........................................................................................16

2.3.3 Capacity Requirements..............................................................................................................16

2.4 Dependability Requirements ........................................................................................................17

2.4.1 Reliability Requirements............................................................................................................17

2.4.2 Availability Requirements.........................................................................................................17

2.4.3 Robustness or Fault-Tolerance Requirements ...........................................................................18

2.4.4 Safety-Critical Requirements.....................................................................................................18

2.5 Maintainability & Supportability Requirements...........................................................................18

2.5.1 Maintenance Requirements........................................................................................................19

2.5.2 Supportability Requirements......................................................................................................19

2.5.3 Adaptability Requirements ........................................................................................................19

2.5.4 Scalability or Extensibility Requirements..................................................................................19

Make sure the system can easily adapt to new functionality, interfaces, devices and new input types......19

2.6 Security Requirements..................................................................................................................19

2.6.1 Access Requirements.................................................................................................................20

2.6.2 Integrity Requirements...............................................................................................................20

2.6.3 Privacy Requirements................................................................................................................20

2.7 Usability and Human-Interaction Requirements ..........................................................................20

2.7.1 Ease of Use Requirements.........................................................................................................20

2.7.2 Personalization and Internationalization Requirements.............................................................20

2.7.3 Understandability and Politeness Requirements........................................................................21

2.7.4 Accessibility Requirements........................................................................................................21

2.7.5 User Documentation Requirements...........................................................................................21

2.7.6 Training Requirements...............................................................................................................21

2.8 Look and Feel Requirements........................................................................................................21

2.8.1 Appearance Requirements.........................................................................................................22

2.8.2 Style Requirements....................................................................................................................22

2.9 Operational and Environmental Requirements.............................................................................22

2.9.1 Expected Physical Requirements...............................................................................................23

2.9.2 Requirements for Interfacing with Adjacent Systems ...............................................................23

2.9.3 Release Requirements................................................................................................................23

2.10 Legal Requirements....................................................................................................................23

2.10.1 Compliance Requirements.......................................................................................................23

2.10.2 Standards Requirements...........................................................................................................23

Chapter 3.....................................................................................................................................................24

3.1 Use Case Diagram ........................................................................................................................25

Use Case Description..................................................................................................................................25

3.1.1 Login for Shop Owner ...............................................................................................................26

3.1.2 Shop Owner post for Employee.................................................................................................26

3.1.3 Shop Owner post for Meal service.............................................................................................27

3.1.4 Shop Owner view Candidate list................................................................................................27

3.1.5 Shop Owner can view their profile ............................................................................................28

3.1.6 Shop Owner sees recent post .....................................................................................................28

3.1.7 Shop Owner sees previous history.............................................................................................29

3.1.8 Get Accept/Reject notification for Meal service........................................................................29

3.1.9 Login for Admin ........................................................................................................................30

3.1.10 Shop Owner registration ..........................................................................................................30

3.1.11 Admin can view Shop Owner Profile ......................................................................................31

3.1.12 Admin can delete Shop Owner profile.....................................................................................31

3.1.13 Admin get request for employee recruitment...........................................................................32

3.1.14 Admin send Candidate profile .................................................................................................32

3.1.15 Admin can view Candidate profile ..........................................................................................33

3.1.16 Admin can add new Candidate profile.....................................................................................33

3.1.17 Admin can delete Candidate profile.........................................................................................34

3.1.18 Admin get request for Meal service.........................................................................................34

3.1.19 Amin accept/reject Meal service request .................................................................................35

3.1.20 Admin can View Recent post...................................................................................................35

3.1.21 Admin can see previous history...............................................................................................36

3.2 Activity Diagram ..........................................................................................................................36

3.2.1 Login for Shop Owner ...............................................................................................................37

3.2.2 Shop Owner post for Employee.................................................................................................38

3.2.3 Shop Owner view Candidate list................................................................................................39

3.2.4 Shop Owner can Accept/Reject candidate .................................................................................40

3.2.5 Shop Owner post for Meal service.............................................................................................41

3.2.6 Shop Owner get accept/reject notification for Meal service......................................................42

3.2.7 Shop Owner can view profile.....................................................................................................43

3.2.8 Shop Owner sees previous history.............................................................................................44

3.2.9 Shop Owner sees recent post .....................................................................................................45

3.2.10 Login for Admin ......................................................................................................................46

3.2.11 Admin create shop owner registration .....................................................................................47

3.2.12 Admin sees previous history....................................................................................................48

3.2.13 Admin sees recent post ............................................................................................................49

3.2.14 Admin can view shop owner profile ........................................................................................50

3.2.15 Admin can delete shop owner profile ......................................................................................51

3.2.16 Admin get employee request....................................................................................................52

3.2.17 Admin send candidate profile ..................................................................................................53

3.2.18 Admin view candidate profile..................................................................................................54

3.2.19 Admin add new candidate profile ............................................................................................55

3.2.20 Admin delete candidate profile ................................................................................................56

3.2.21 Admin get Meal service request...............................................................................................57

3.2.22 Admin Accept/Reject Meal service request.............................................................................58

3.3 Sequence Diagrams ......................................................................................................................59

3.3.1 Login for Shop Owner ...............................................................................................................59

3.3.2 Shop Owner post for Employee.................................................................................................60

3.3.3 Shop Owner view Candidate list................................................................................................61

3.3.4 Shop Owner can Accept/Reject candidate .................................................................................62

3.3.5 Shop Owner post for Meal service.............................................................................................63

3.3.6 Shop Owner get accept/reject notification for Meal service......................................................64

3.3.7 Shop Owner can view profile.....................................................................................................65

3.3.8 Shop Owner sees previous history.............................................................................................66

3.3.9 Shop Owner sees recent post .....................................................................................................67

3.3.10 Login for Admin ......................................................................................................................68

3.3.11 Admin create shop owner registration .....................................................................................69

3.3.12 Admin sees previous history....................................................................................................70

3.3.13 Admin sees recent post ............................................................................................................71

3.3.14 Admin can view shop owner profile ........................................................................................72

3.3.15 Admin can delete shop owner profile ......................................................................................73

3.3.16 Admin get employee request....................................................................................................74

3.3.17 Admin send candidate profile ..................................................................................................75

3.3.18 Admin view candidate profile..................................................................................................76

3.3.19 Admin add new candidate profile ............................................................................................77

3.3.20 Admin delete candidate profile ................................................................................................78

3.3.21 Admin get Meal service request...............................................................................................79

3.3.22 Admin Accept/Reject Meal service request.............................................................................80

Chapter 4.....................................................................................................................................................81

4.1 Development tools and technology...............................................................................................81

4.1.1 User Interface Technology.........................................................................................................81

4.1.2 Implemented tools and platform ................................................................................................82

4.2 Class Diagram...............................................................................................................................83

4.3 Database Design Diagram ............................................................................................................84

Chapter 5.....................................................................................................................................................85

5.1 Testing Features............................................................................................................................85

5.1.1 Feature to be tested ....................................................................................................................85

5.2 Testing Strategy............................................................................................................................86

5.2.1 Test approach.............................................................................................................................86

5.3 Testing Schedule...........................................................................................................................88

5.4 Trace Ability Matrix.....................................................................................................................89

5.5 Testing Environment ....................................................................................................................90

5.6 Test Cases.....................................................................................................................................91

5.6.1 Log In.........................................................................................................................................92

5.6.2 Shop Owner Post for Employee.................................................................................................93

5.6.3 Shop Owner Post for Meal service ............................................................................................93

5.6.4 Shop owner view candidate list .................................................................................................94

5.6.5 Get employee selected confirmation message ...........................................................................95

5.6.6 Get meal service confirmation message.....................................................................................96

5.6.7 See previous history...................................................................................................................97

5.6.8 See recent post ...........................................................................................................................98

5.6.9 View own profile .......................................................................................................................99

5.6.10 Edit Profile .............................................................................................................................100

5.6.11 Login for Admin ....................................................................................................................101

5.6.12 Confirm or Reject employee request .....................................................................................102

5.6.13 Update candidate details........................................................................................................103

5.6.14 Registration shop owner profile.............................................................................................104

5.6.15 Admin view previous history.................................................................................................105

5.6.16 Admin view recent post .........................................................................................................106

5.6.17 Admin Edit Profile.................................................................................................................107

5.6.18 Admin Delete Profile .............................................................................................................108

Chapter 6...................................................................................................................................................109

6.1 Shop Owner login page ..............................................................................................................109

6.2 Home page (Shop Owner) ..........................................................................................................110

6.3 Shop owner post for Employee recruitment ...............................................................................111

6.4 Shop Owner post for booking Meal service ...............................................................................113

6.5 Shop Owner can view their profile.............................................................................................114

6.6 Admin login page .......................................................................................................................115

6.7 Shop owner registration..............................................................................................................116

6.8 Apartment owner list & add apartment owner............................................................................117

Chapter 7...................................................................................................................................................118

7.1 GitHub Link................................................................................................................................118

7.2 Project Summary ........................................................................................................................118

7.3 Limitations..................................................................................................................................119

7.4 Obstacles and Achievements......................................................................................................119

7.5 Future Scope ...............................................................................................................................120 References................................................................................................................................................121

**Chapter 1**

**Introduction**

* 1. **Project Overview**

Every business needs a beautiful environment and a good management system. Because a management system can manage a business in the best way so that the trader and his customers can enjoy a service beautifully. When a trader conducts his business he needs to keep in touch with the customer, process the customer's orders, deliver them on time and monitor their feedback and their problems well and this monitoring and all related matters need an ideal management system that can give two traders a nice business environment.

In addition, technology can play the most important role in creating this beautiful environment because technology is not just for entertainment. Technology is an ideal way to solve the work in the easiest and most beautiful way. Technology makes life beautiful with easy solutions to difficult problems.

When a trader sets up a business, he has to look at some things like the activities of his employee, the activities of his customers, the product quality, his delivery activities and most importantly, the satisfaction of the customer. An important role in this decision-making is played by a modern information technology through which he can easily bring all his problems to a beautiful solution.

Considering the above information, I am thinking of creating a management system that will be a helpful guide for a businessperson in all his problems.

* 1. Project Purpose

To make business easier than ever before and to provide better service to achieve customer satisfaction

1.2.1 Background

An event management firm has many functions such as the customer prefers a service by looking at the services of the company and that service is not from there and if the customer has to like that service then he must visit this firm otherwise he can be contacted through someone. He will have to accept the package. In order to solve this problem, we will come up with a system that will not allow the customer care personally. He will be able to take his orders or packages of his choice from a distance and inform the Even Management Firm. Will be able to collect and provide services in a timely manner without deleting them as well as event management companies will be able to create their daily work schedule and perform daily income expenditure or daily order placement and order delivery and monthly accounting through a single system effortlessly.

1.2.2 Benefits of this system

* Provide the best security of your business information
* Build the business efficiency
* Make a perfect alignment of your business
* Maintaining the best consistency between firm and customer

1.2.3 Goals

The ultimate goal of this project is to create a web-based application that will create a synergy between customer and vendor as well as the system has different modules and each module fulfills different functional requirements differently.