



Bahria University
Discovering Knowledge

FINAL YEAR PROJECT REPORT

BAKHABAR

By

FURQAN ALI RAZA	31255	BSE
WAQAS NAZAR	31265	BSE
M.WALEED KAMRAN	31196	BSE

Supervised by
BUSHRA FAZAL

Bahria University (Karachi Campus)

Year: 2016

ABSTRACT

Is commonly a key concern framework "Bakhabar" identified with the everyday and routine base episode and various class of mishaps and the general population of various ranges does not have mindfulness about these mischance. Really these kind of circumstance step by step to build these cause bigly affect ground reality.

The issues of numerous classes of all occurrence how to determine issue like homicide, street mishap grabbing, terminating, activity and blackout issue and effect how the client to submit report these sorts The utilization of these reports of episode in examination in police term to negligible effect to assist of episode range and nation savvy.

Contents

CHAPTER 1. INTRODUCTION	15
1.1 PURPOSE OF THE PROJECT	16
1.1 USER CLASSES AND CHARACTERISTICS	17
PURPOSE OF THIS DOCUMENT.....	18
1.1 OVERVIEW OF THIS DOCUMENT.....	18
1.3.1 <i>Chapter 1 Introduction</i>	18
1.3.2 <i>Chapter 2 System Analysis</i>	18
1.3.3 <i>Chapter 3 Design Considerations</i>	19
1.3.4 <i>Chapter 4 System Design</i>	19
1.3.5 <i>Chapter 5 Validation and Implementation</i>	19
CHAPTER2. BACKGROUND AND APPLICATION REVIEW	20
2.1 EXISTING SYSTEM.....	21
2.1.1 <i>Existing system description</i>	21
2.1.2 <i>Problems in the existing system</i>	23
CHAPTER 3. AIM AND STATEMENT OF PROBLEM	23
3.1 SPECIFIC REQUIREMENTS.....	23
3.2 SYSTEM REQUIREMENTS	23
3.2.1 <i>Clients, customer and users</i>	24
3.2.2 <i>Functional and data requirements</i>	24
3.2.3 <i>Non-functional requirements</i>	24
3.3 LOOK AND FEEL REQUIREMENTS	24
3.3.1 <i>Usability requirements</i>	24
<i>US-1; All buttons and navigations in system are fully conventional.</i>	24
3.3.2 <i>Security requirements</i>	24
3.3.3 <i>Performance requirement</i>	25

3.3.4	<i>Portability requirements</i>	25
CHAPTER 4. ANALYSIS AND DESIGN.....		26
4.1	DATA ANALYSIS	27
4.1.1	WORK FLOW DIAGRAMS	27
4.1.2	USECASE DIAGRAM	27
4.1.3	ACTIVITY DIAGRAM	28
4.1.4	DEPLOYMENT DIAGRAM	28
4.1.5	COMPONENT DIAGRAM	29
4.1.6	ERD DIAGRAM (ENTITY RELATIONSHIP DIAGRAM)	30
4.2	USECASE SYSTEM ANALYSIS/NARRATION	30
4.2.1	<i>Submit a Report</i>	30
4.2.2	<i>Select Categories of Incident</i>	33
4.2.3	<i>Select Location</i>	35
4.2.4	<i>Fill Description</i>	37
4.2.5	<i>View Reports</i>	39
4.2.6	<i>Filter out Reports</i>	42
4.2.7	<i>Alert Report</i>	45
CHAPTER 5. DESIGN CONSIDERATION		49
DESIGN CONSTRAINTS		50
5.1.1	HARDWARE AND SOFTWARE ENVIRONMENT	50
5.1.1.1	<i>Hardware Environment</i>	50
5.1.1.2	<i>Software Environment</i>	50
5.1.1.3	<i>End user characteristics</i>	50
5.1.2	ARCHITECTURAL STRATEGIES	50
5.1.2.1	<i>Algorithm to be used.</i>	51
5.1.2.2	<i>Reuse of existing software components</i>	52
5.1.3	PROJECT MANAGEMENT STRATEGIES	52

<i>5.1.3.1 Project Scope Meetings.....</i>	52
<i>5.1.3.2 Assign Task to Member.....</i>	52
<i>5.1.3.3 Prototyping.....</i>	52
<i>5.1.3.4 Focus on Important Objectives:.....</i>	52
<i>5.1.3.5 Produce Deliverables on Time:.....</i>	53
5.1.7 DEVELOPMENT METHOD	55
5.1.8 DEVELOPMENT STRATEGIES	56
5.2 FUTURE ENHANCEMENTS/PLANS	56
CHAPTER 6. SYSTEM DESIGN	60
SYSTEM ARCHITECTURE AND PROGRAM FLOW.....	61
6.1.1 MAJOR MODULES.....	61
6.1.2 SUB MODULES.....	61
6.1.3 DETAILED SYSTEM DESIGN	61
6.1.4 DETAILED COMPONENT DESCRIPTION	61
<i>6.1.4.1 Submit A Report:</i>	61
<i>6.1.4.2 Categories of incident:</i>	61
<i>6.1.4.3 Incident Description:.....</i>	62
<i>6.1.4.4 Goggle map API.....</i>	62
<i>6.1.4.5 Upload Photo files Image.....</i>	62
6.1.5 HOME:.....	63
6.1.6 VIEW REPORT:.....	63
6.1.7 GET ALERT:	63
CONTACT US:.....	65
6.1.8 PROJECT INTERFACES AND DESCRIPTION	65
<i>6.1.8.1 Submit A Report.....</i>	65
<i>6.1.8.2 View Report.....</i>	66

6.1.8.3 <i>Home</i>	67
6.1.8.4 <i>Sign up</i>	68
<i>Web Application</i>	68
<i>Mobile Application</i>	68
.....	69
<i>Figure 28: Sign Up Interface</i>	69
6.1.8.5 <i>Sign in</i>	70
.....	70
CHAPTER 7. IMPLEMENTATION AND VALIDATION	71
VALIDATION TESTING.....	72
7.1.1 GENERAL INTERFACE TEST CASES.....	72
7.1.1.1 <i>Test Case for Submit A Report</i>	72
7.1.1.2 <i>Test Case for Home Interface</i>	73
7.1.1.3 <i>Test case For View Report</i>	74
7.1.1.4 <i>Test Case for Alert Report</i>	76
7.1.1.5 <i>Test Case for Find Location</i>	77
7.1.1.6 <i>Test Case for Contact Us</i>	78
7.1.1.7 <i>Test Case for signup</i>	79
CHAPTER 8. CODE (WEB & MOBILE APPLICATION).....	81
8.1 CODE WEB AND MOBILE APPLICATION:	82
8.1.1 MACHINE LEARNING ALGORITHM CODE (SEARCH INCIDENT LINKS)	82
<i>Search string Files</i>	82
<i>Gathering data from News Website</i>	82
<i>Gathering Data from Social Website</i>	85
<i>Index</i>	93
<i>Insert</i>	119
<i>Login</i>	120

<i>Logout</i>	123
<i>Session</i>	123
<i>Submit Report</i>	124
<i>Test</i>	125
<i>User stream-Simple</i>	126
<i>Configuration.php</i>	133
8.2 MOBILE APPLICATION CODE	133
<i>View Reports</i>	133
<i>Map Fragment</i>	137
<i>Bitmap Helper</i>	140
<i>After Login</i>	141
CHAPTER 9. QUESTIONAIRRIES	141
<i>9.1 'Questionnaires'</i>	142
CHAPTER 10. USER STORIES	145
10.1 USER STORIES DESCRIPTION	146
CHAPTER 11. RESULTS	150
CHAPTER 12. DISCUSSION	151
CHAPTER 13. CONCLUSION	152
CHAPTER 14. FUTURE WORK	153
CHAPTER 15. REFERENCES	154

LIST OF TABLES

TABLE 1: SUBMIT A REPORT	33
TABLE 2: SELECT CATEGORIES OF INCIDENT	35
TABLE 3: SELECT LOCATION	37
TABLE 4: FILL DESCRIPTION.....	39
TABLE 5: VIEW REPORT	41
TABLE 6: FILTER REPORT	44
TABLE 7: UC-ALERT REPORT	47
TABLE 8: TEST CASE FOR SUBMIT A REPORT	73
TABLE 9: TEST CASE FOR HOME INTERFACE.....	74
TABLE 10: TEST CASE OF VIEW REPORT	75
TABLE 11: TEST CASE FOR ALERT REPORT	77
TABLE 12: TEST CASE FOR FIND LOCATION.....	78
TABLE 13: TEST CASE FOR CONTACT US.....	79
TABLE 14: TEST CASE FOR SIGNUP INTERFACE.....	80
TABLE 15: QUESTIONNAIRE'S BAKHABAR.....	144
TABLE 16: USER STORIES DESCRIPTION:	149