

Institution information system



SESSION (2014-2016)

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DEDICATION

DEDICATED TO MY RESPECTED PARENTS AND FAMILY WHOSE UTMOST LOVE, CARE AND STRUGGLE AGAINST ALL ODDS BROUGHT ME TO THIS HEIGHT OF KNOWLEDGE AND ENCOURAGED ME TO COMPLETE THIS DEGREE AND WERE MAJOR DRIVING FORCE BEHIND MY ALL EFFORTS WITH THE BLESSINGS OF ALMIGHTY ALLAH

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This project is submitted to the School of Professional Advancement, University of Management & Technology Lahore, for the partial fulfillment of the requirement for Master Degree in Computer Science.

Approved on: _____

Project Supervisor

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ABSTRACT

Education is considered to be the building block of any progressive society as US president Barack Obama says “Education laid the foundation for opportunities”. It is very regrettable that in Pakistan, due to so many loopholes in educational system, our country is not progressing well. One of the main reason of our low literacy is that no proper attention is paid to the children while they are in school. This project focuses to deal with such types of flaws in our educational system. The developed system provides an ideal environment of interaction between institutes and parents for the sake of proper vigilance of children while they are in school. The system involves the major activities of student i-e Evaluation of Attendance, Behavior analysis, Class activities, Exams. The teacher provides academic updates about the particular subject which in turn is viewed by the parents who acting as a supervising figure, indulge their children in completing the assigned tasks. Students submit the desired tasks to the teacher who evaluates them and uploads the results on the system for the parents to view the performance of their children. The system emphasizes on the behavioral activities of the children too. That includes their personal hygiene and discipline. The most important concern of every parent is the attendance of their children given the fact that children today are swayed by the outside adventures which makes them to skip the school and indulge them in unhealthy activities. To address the given problem the system has the capability of online attendance system which evaluates the attendance and promptly uploads it for the parent to view. Quiz, Assignments, Class and Extra Curricular Activities all works in the same fashion. The flow of the system is described by the Data Flow Diagram (DFD). Moreover, all the activities of the stakeholders in the manner of their functionalities are depicted in the Use Case Diagrams followed by their elaboration. The process of precedence of the stakeholders is defined by their respective Sequence Diagrams. The reliability of the system is ensured by implementing the test cases that helped in making it comprehensive. The implementation details are also made part of the document to show the salient details of the system.

Contents

DEDICATION	II
ACKNOWLEDGEMENT.....	III
Project Supervisor	IV
Mr. Abdul Haseeb Shujja	IV
ABSTRACT	V
1. INTRODUCTION	3
1.1 PROJECT OVERVIEW	
.....	31.2PROBLEM
STATEMENT	
.....	31.3CUSTOMER.....
.....	3
1.4AFFECTED GROUPS	4
1.5ASSUMPTIONS	
1.6DEPENDENCIES/EXTERNAL SYSTEMS	
1.7 DEFINITIONS AND ACRONYMS	4
1.8 GOALS	4
2. STAKE HOLDERS	6
2.1 INSTITUTES	6
2.2 TEACHERS.....	6
2.3 PARENTS	6
2.4 STUDENTS	6
2.5DEVELOPING TEAM	6
3. DOMAIN ANALYSIS	8
4. FUNCTIONAL/NON-FUNCTIONAL REQUIREMENTS	10
SYSTEMFUNCTIONS/FUNCTIONALREQUIREMENTS.....	9
1.Login.....	9
2.Examinations.....	10
3.CO/ExtraCurricular.....	10
5.Behavioural Analysis.....	10
NON-FUNCTIONAL REQUIREMENT	12
1. Consistent uptime	12
2. Load and concurrency	12
3. Dealing with large quantities of data	12
4. Familiar Interface	12
5. Notification System	12
6. Focused Layout	12

7. Effective Recovery	12
<hr/>	
5. SYSTEM ARCHITECTURE	14
5.1 SYSTEM ARCHITECTURE DIAGRAM	14
6. DATA FLOW DIAGRAM	16
6.1 DATA FLOW DIAGRAM	16
7. USE CASE DIAGRAM	18
ADMIN(USECASEDIAGRAM)	18
PARENT (USECASEDIAGRAM)	19
Teacher(USECASE DIAGRAM).....	19
8. ELABORATED USECASE.....	20
Admin	
Teacher	
Parent	
9. SYSTEM SEQUENCE DIAGRAMS	50
Admin.....	51
Teacher.....	52
Parent.....	53
10.CLASS DIAGRAMS.....	55
Class Graph.....	56
Class DIAGRAM.....	57-63
11.TEST CASES.....	64
Admin.....	64-78
Teacher.....	79-93
Parent	94-101
RESULTS.....	102
Admin.....	102
Teacher.....	103
Parent	104
12.IMPLEMENTATION.....	105-119
13.FUTURE HORIZONS.....	120
14.CONCLUSION.....	121

1. INTRODUCTION

This project automates institute management system based on a web application.

Education is definitely a basic necessity and to ensure quality education, being delivered to the children, one must have enough access to the institution so that he can be aware of the activities regarding their beloved ones. That is exactly what the above mentioned system can accomplish.

Basically, it bridges the distance between parents/guardians and the institutes.