Exam Administration System



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Submitted by:

Rafaqat Hussain 2020-CS-104

Supervised by:

Sir Nazeef Ul Haq

Department of Computer Science and Engineering
University of Engineering and Technology
Lahore Pakistan

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Abstract

Exam administration framework is a desktop Application. This application is planned to ease the instructors so that they would oversee the understudy pricisely. The instructors are able to check participation of students. They can moreover make distinctive appraisals and assess the students. They are too given with the office that they can produce reports of the understudies and hence assess them on different premise....

Chapter 1

Project Details

1.1 Project Description

Exam Administration Framework is a desktop application . This application is outlined to ease the instructors so that they can effortlessly director the understudies . The educator is able to distinctive clos, against each clo distinctive rubrics and against each rubric , diverse rubric levels. The educator can include distinctive assessments. The educator can assess each understudy on the premise of distinctive criteria. The Instructor can stamp the participation of each student. The teacher can too spare the understudy execution within the difficult shape as he / she can create reports of the understudies on the premise of clo, assessment , each appraisal component and the participation within the class.

1.2 Business Need

we are living within the present day era of science, so we have to be take advantage of the cutting edge technology. In instruction system, the instructors put a part of exertion to oversee the students. The work is more hard when they had to keep track the information of each and each understudy within the class. If we utilize the old conventional apparatuses such that stamping understudy participation or keep record of each understudy execution within the exams isn't great way. As there continuously a plausibility of losing the data. The exam management system gives the office to keep the record of each student. The instructors can moreover evaluate each understudy on diverse criteria easily utilizing this application . It is additionally ser neighborly so they would get a part of offer assistance from it. The Instruction segment would be progressed with this application.

1.3 Motivation

Critical thinking is developed through education. This is critical in teaching a person how to make decisions and connect with others using logic (e.g., boosting creativity, enhancing time management). Taking tests and keeping track of students required more manual effort in the beginning. Teachers must put in a lot of effort in order to evaluate their students. When we use traditional resources, we also run the risk of losing data. As a result, a solution to this problem is required. This solution takes the shape of an exam administration system. Teachers will be able to judge students more effectively as a result of this application, which will reduce human work.

- Reduction of human labor
- Management of Student
- Students should be assessed on different criteria
- Prevention of student data

1.4 Project Features

1.4.1 Student

- Add, Remove and Update Student
- Mark Student Attendance
- Mark Student Evaluation

1.4.2 CLO

- Add ,Update and Remove CLO
- Manage Rubric in each CLO
- Manage Rubric Level in each Rubric

1.4.3 Assessment

- Add, Update and Remove Assessments
- Manage Assessment Components in each Assessment
- Manage Assessment Components against each Rubric

1.4.4 Reports

- Class Attendance Report
- Student Attendance Report
- CLO wise Student Performance Report
- Assessment wise Student Performance Report
- Assessment Component wise Student Performance Report

1.5 Project Plan

Milestone	Expected Completion Date
User Interface Implimentation	17 Feb 2022
Crud Operations	20 Feb 2022
Student Attendance	23 Feb 2022
Student Result	27 Feb 2022
Validations	1 Mar 2022
Report Generation	3 Mar 2022
Student Reports	5 Mar 2022

Chapter 2

Use Case

2.1 UI-01

Name	UI-01
StackHolder	Instructor
UI Description	This user interface allows the teachers to add,update and delete the
	students. The teacher is able to view the students .

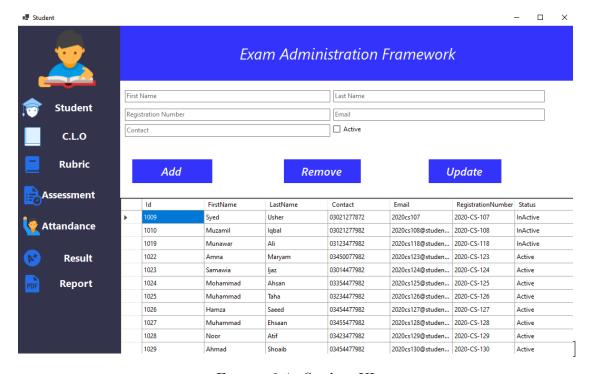


FIGURE 2.1: Student UI

2.2 UI-02

Name	UI-02
StackHolder	Instructor
UI Description	This user interface allows the teachers to add, update and delete
	different CLO. The teacher is able to view the all the clo's .

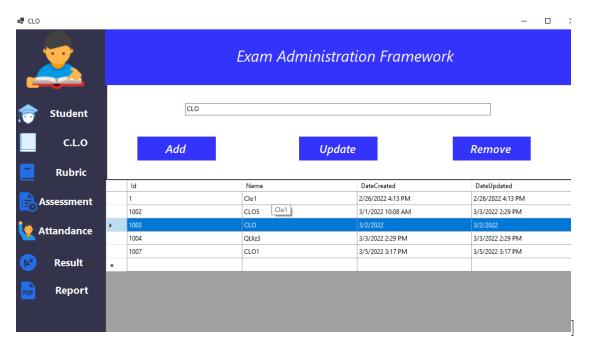


FIGURE 2.2: CLO UI

2.3 UI-03

Name	UI-03
StackHolder	Instructor
UI Description	This user interface allows the teachers to add,update and delete
	different rubrics against a CLO. The teacher is able to view the all
	the clo's .

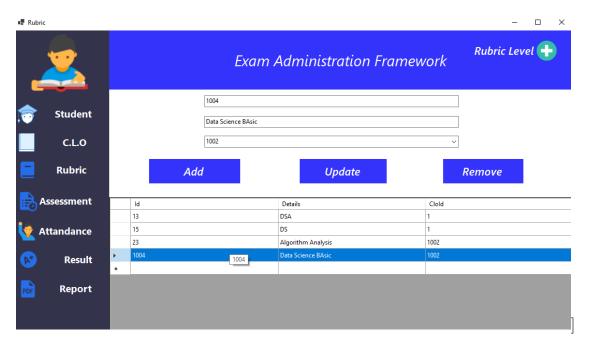


FIGURE 2.3: Rubric UI

2.4 UI-04

Name	UI-04
StackHolder	Instructor
UI Description	This user interface allows the teachers to add,update and delete
	different Rubric Levels against each Rubric. The teacher is able to
	view the all the Rubric Levels along with Rubric ID .

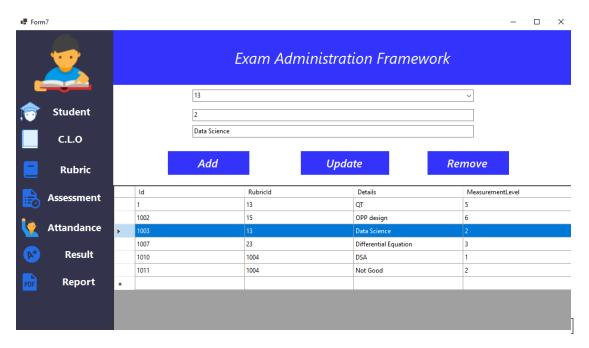


FIGURE 2.4: Rubric Level UI

2.5 UI-05

Name	UI-05
StackHolder	Instructor
UI Description	This user interface allows the teachers to add,update and delete
	different Assessments. The teacher is able to view the all the As-
	sessments. The title of each assessment should be unique .

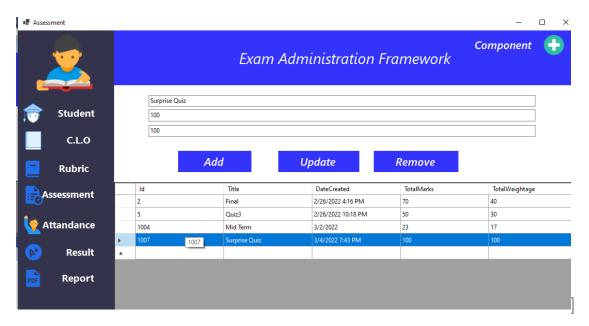


FIGURE 2.5: Assessment UI

2.6 UI-06

Name	UI-06
StackHolder	Instructor
UI Description	This user interface allows the teachers to add, update and delete dif-
	ferent assessment components against each assessment. The teacher
	is able to view the all the Assessment Components along with the
	Assessment ID .

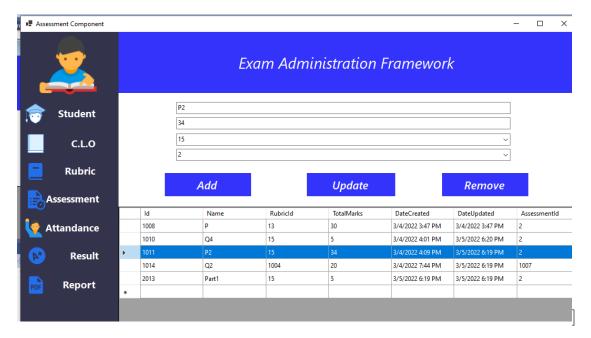


FIGURE 2.6: Assessment Component UI

2.7 UI-07

Name	UI-07
StackHolder	Instructor
UI Description	This user interface allows the teacher to mark the attendance of
	each student. The teacher is able to view who is present in the class
	and whom not. The teacher can mark the attendance of only those
	students which are active in the class.

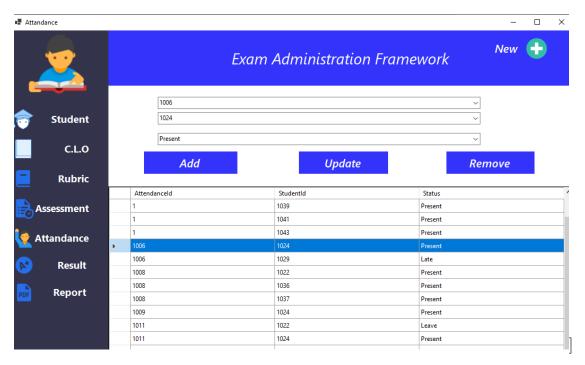


FIGURE 2.7: Student Attendance UI

2.8 UI-08

Name	UI-08
StackHolder	Instructor
UI Description	This user interface allows the teachers to manage new atten-
	dance. The teacher is able to view the all the Attendance Dates

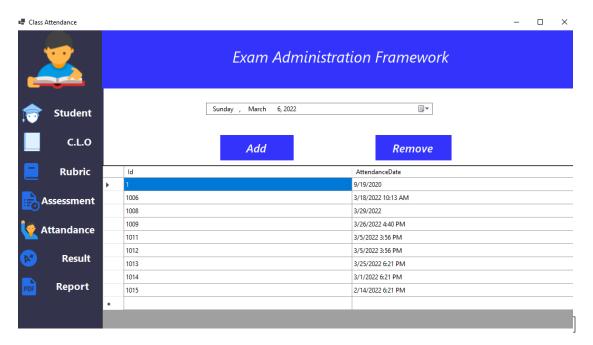


FIGURE 2.8: New Attendance UI

2.9 UI-09

Name	UI-09
StackHolder	Instructor
UI Description	This user interface allows the teachers to add,update and delete
	Student Result in different assessments. The teacher is able to view
	that whose evaluation has been done.

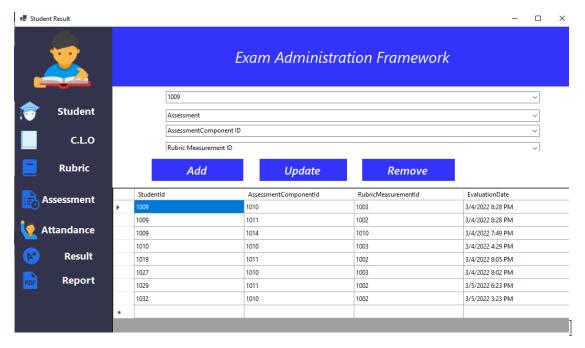


FIGURE 2.9: Result UI

2.10 UI-010

Name	UI-10
StackHolder	Instructor
UI Description	This user interface allows the teachers to view and generate
	student attendance and performance reports on the basis of
	CLO, Assessments and Assessment Components. The teacher is able
	to view the all the clo's .

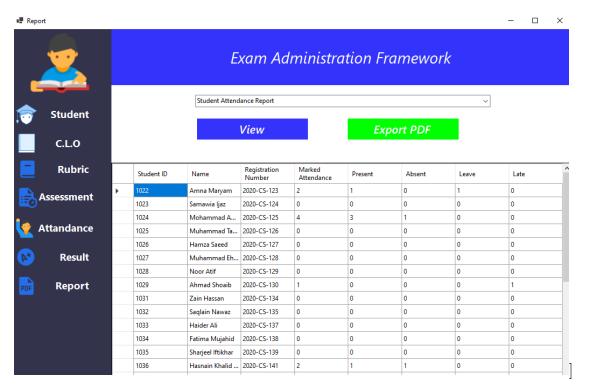


FIGURE 2.10: Report UI

2.11 Flow of Exam Administration Framework

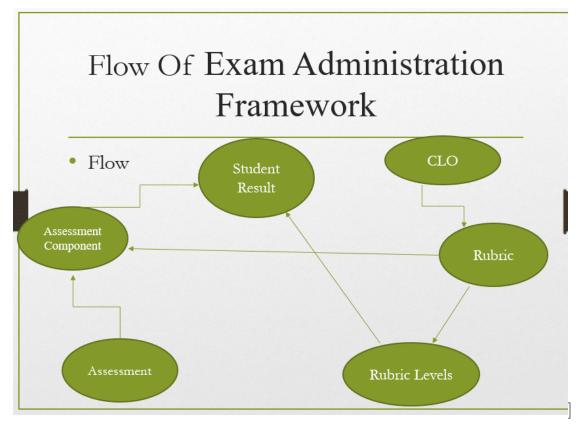
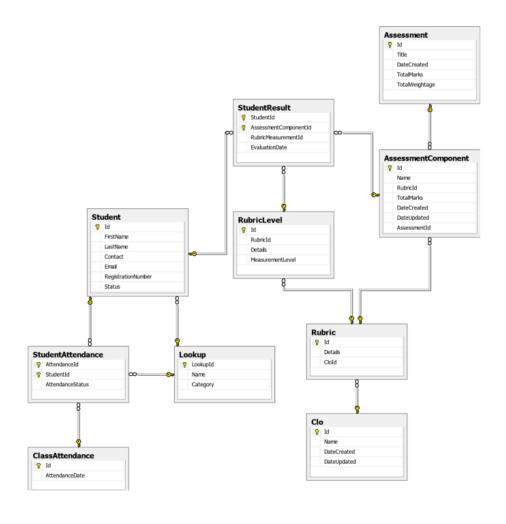


FIGURE 2.11: flow diagram

Chapter 3

DataBase Model



3.1 User Interface Details

Use Case ID	Text Edits	Buttons	Tables	Labels	DropDown	CheckBox	DatePicker
UI-01	5	10	1	1	0	1	0
UI-02	1	10	1	1	0	0	0
UI-03	2	11	1	1	1	1	0
UI-04	2	10	1	1	1	0	0
UI-05	3	11	1	1	0	0	0
UI-06	2	10	1	1	2	0	0
UI-07	0	11	1	1	3	1	0
UI-08	5	10	1	1	0	0	1
UI-09	0	10	1	1	4	0	0
UI-10	0	9	1	1	1	0	0

3.2 Stack Technology

Language	C-Sharp	
Platform(Web/Desktop)	Desktop	
Fronted Technology	Visual Studio	
I.E.D	Visual Studio 2019	
Database	MicroSoft SQL Server	
Database Language	T-SQL	

3.3 Data Storage

3.3.1 Assessment Report

File Name	Result.Pdf	
File Type	pdf	
Data Formate	Assessment ID Student ID Registration Number Obtained Marks	
	Total Marks Evaluated Total Marks Obtained Percentage	

3.3.2 Student Attendance Report

File Name	Result.Pdf		
File Type	pdf		
Data Formate	Student ID Name Registration Number Marked Attendance		
	Present Absents Leave Late		

3.3.3 Class Attendance Report

File Name	Result.Pdf	
File Type	pdf	
Data Formate	Date Student Present Student Absent student on Leave	
	Late Student Attendance not marked	

3.3.4 CLO Report

File Name	Result.Pdf
File Type	pdf
Data Formate	CLO Student ID Registration Number Obtained Marks
	Total Marks Evaluated Total CLO Marks

3.3.5 Assessment Component Report

File Name	Result.Pdf	
File Type	pdf	
Data Formate	Assessment ID Student ID Registration Number	
	Assessment Component ID Obtained Marks Total Marks	