DBMS PROJECT ONLINE EXAMINATION PORTAL

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DBMS PROJECT CHATTING APP LET'S CONNECT

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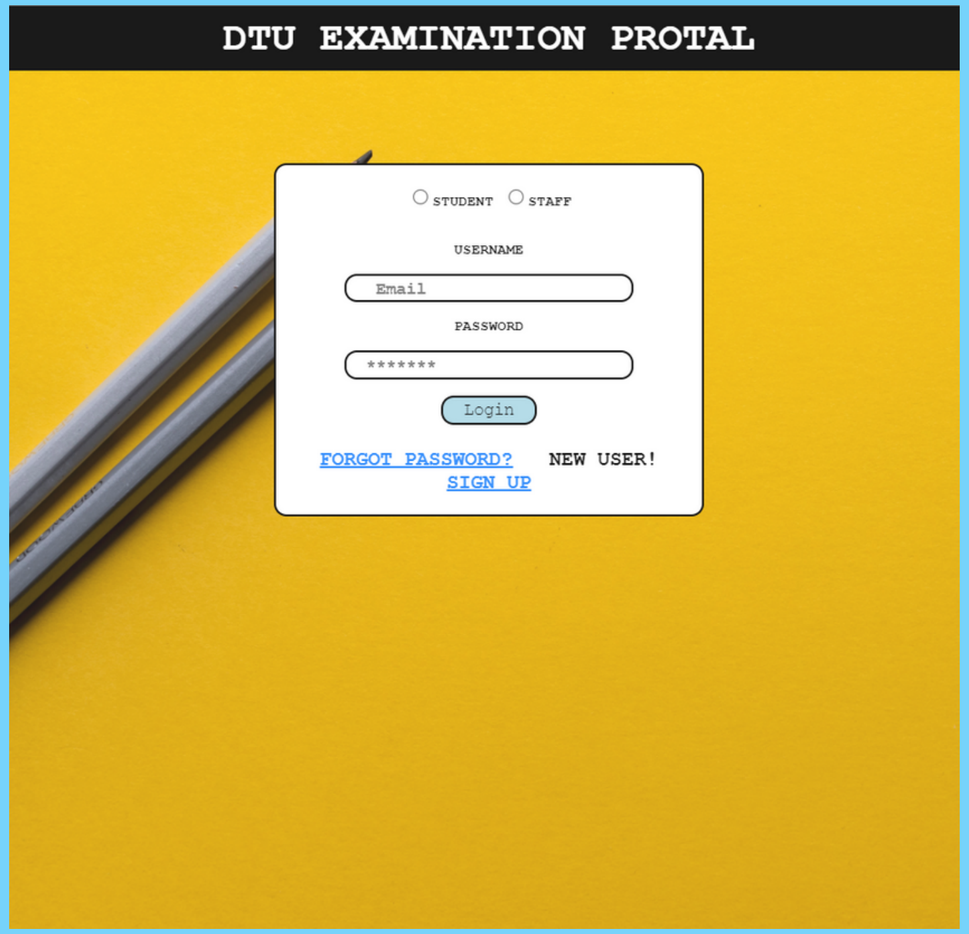
INTRODUCTION

1. DTU EXAMINATION PORTAL is is a web-based examination system to take online examination test in an efficient manner and without wasting time for manual checking of the test paper.
2. The main objective of this web based online examination system is to efficiently evaluate the student thoroughly through a fully automated system that not only saves lot of time but also gives fast and accurate results.
3. For students they give papers according to their convenience from any location by using internet and there is no need of using extra thing like paper, pen etc.

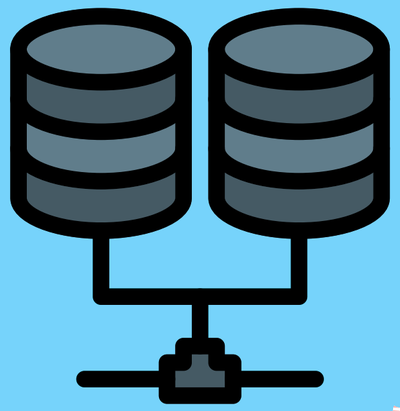


MAIN FEATURES

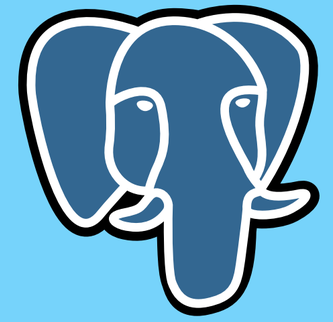
1. Registers new User and storing it to databases and provides a login feature.
2. Provides an option to add/delete quizzes with questions for staff users.
3. Provide an option to see and attend the quizzes
4. Generates and update results in profile after the exam.

SECURITY AND USABILITY

1. Encrpted Password.
2. Secured Users and Quizzes.
3. SQL injection is prevented
4. Easy to use Interface.



DATABASE ENTITIES



Student:

Student has to log in to the system and can then view all the quizzes. Student can see the quiz list and attend the quizzes. After attending the quizzes students will get instant result and the same will be stored in the database.

Staff:

Staff also has to log in to the system first, then they can add/remove quizzes. They can see the progress and they can also update the existing quiz.

Score:

Staff can see the scoreboard of the quiz which is added by him/her. And student can see the score of the quiz which he/she is attended.

MySQL®

DATABASE ENTITIES

Quiz:

Staff can add and remove the quiz. And also they can add extra questions to an existing quiz. Students can attempt the quiz.

Question:

Staff can add, remove and edit questions. Students can solve the questions part of a quiz and attempt them again in practice mode after the quiz.

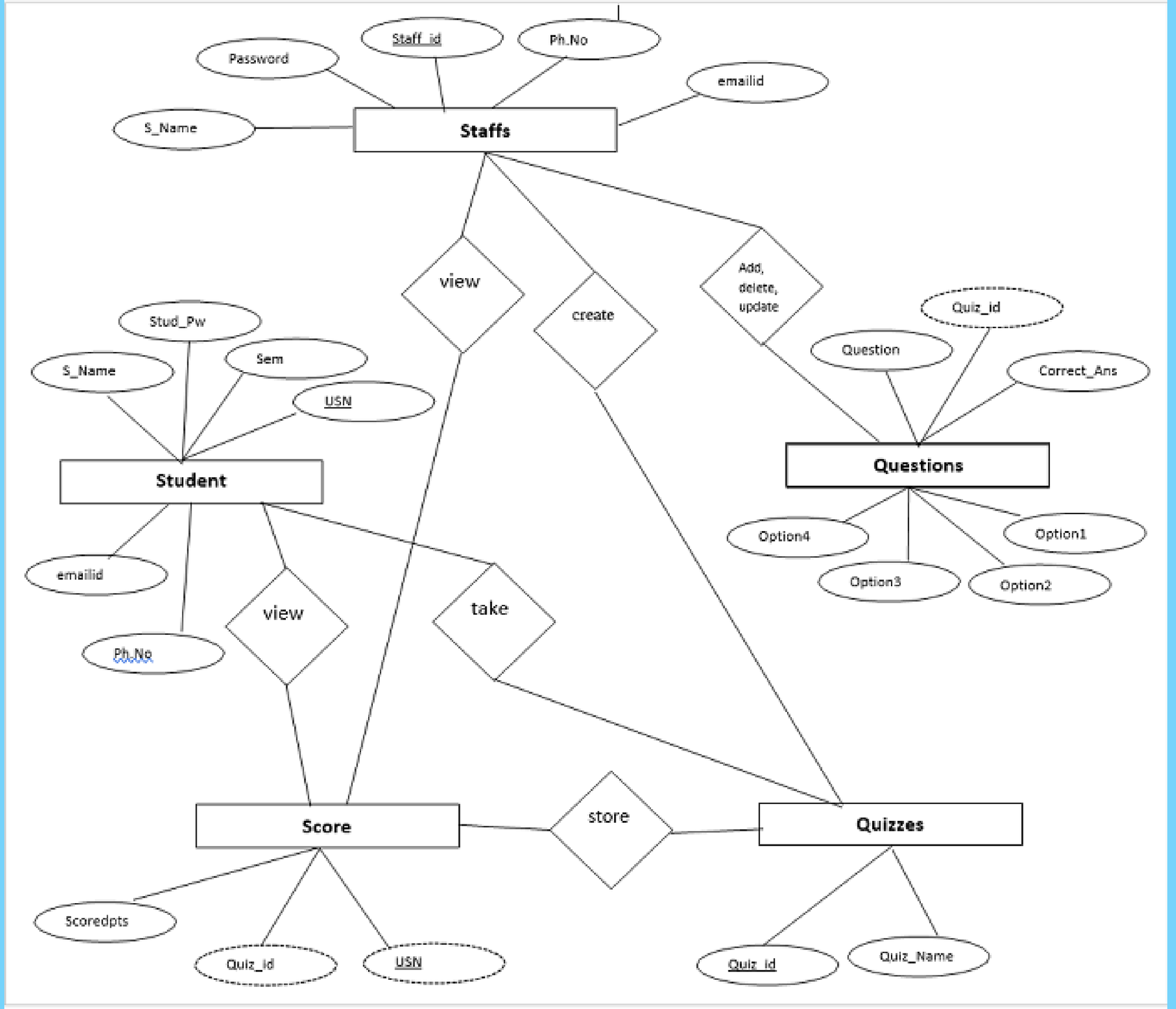
TECH STACK

1. PHP
2. HTML & CSS
3. JavaScript
1. PHPMailer

MODULES

1. Insert Module
2. Update Module
3. Delete Module
1. Retrieve Module
2. Trigger Module

ER DIAGRAM


Staff_id
Ph.No
Password
emailid
S_Name
Staffs
view
create
Add,
delete,
update
Quiz_id
Question
Correct_Ans
Stud_Pw
Sem
S_Name
USN
Student
Questions
Option4
Option1
Option3
Option2
emailid
view
take
Ph.No
Score
store
Quizzes
Scoredpts
Quiz_id
USN
Quiz_id
Quiz_Name

Schema

STUDENT

Email	Name	USN	Dept	Ph.No	Gender	DOB	Password

STAFF

Email	Name	Staff_id	Dept	Ph.No	Gender	DOB	Password

Quiz

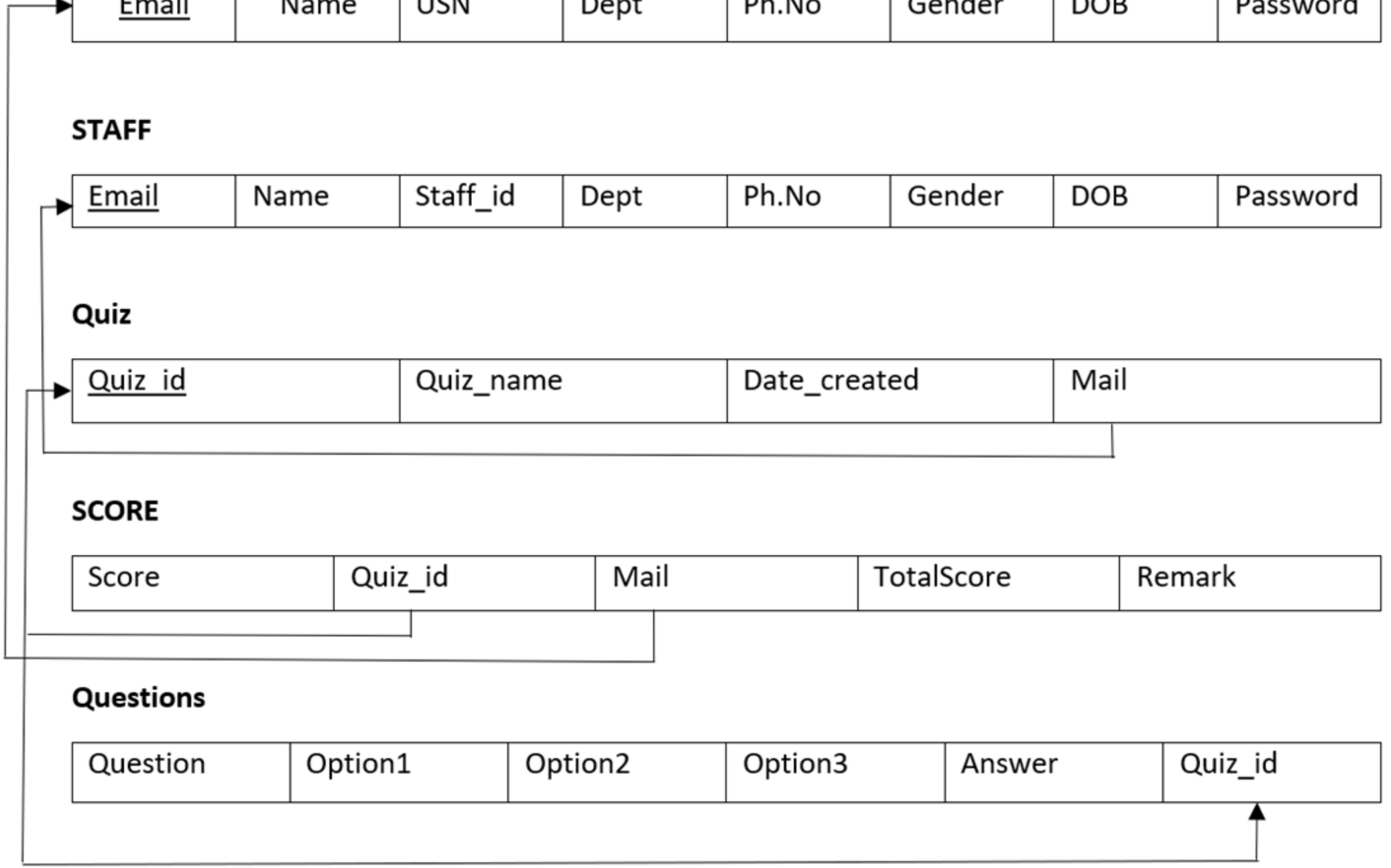
Quiz_id	Quiz_name	Date_created	Mail

SCORE

Score	Quiz_id	Mail	TotalScore	Remark

Questions

Question	Option1	Option2	Option3	Answer	Quiz_id



TEACHER DASHBOARD

DTU examination PORTAL Dashbord profile Quis Sign Out

Welcome to Online Examination System Prajjwal Kumar

Dashbord

Add Quiz Delete Quiz View Quiz

Leaderboard

Quiz Title	Student name	score obtained	Max Score
dbms lab	Aaryan	3	3
dbms lab	Aaryan	3	3
dbms lab test 2	Absaar	2	2
dbms lab	Absaar	2	3
dbms lab	Absaar	2	3
dbms lab test 2	Absaar	2	2
dbms lab	Absaar	1	3
dbms lab	Absaar	1	3
dbms lab	Naman	0	3
dbms lab test 2	Aaryan	0	2
dbms lab test 2	Aaryan	0	2
dbms lab	Naman	0	3

STUDENT DASHBOARD

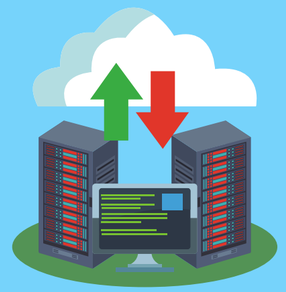
DTU EXAMINATION PORTAL Dashbord Profile Score Sign Out

Welcome to DTU Examination PORTAL Aaryan

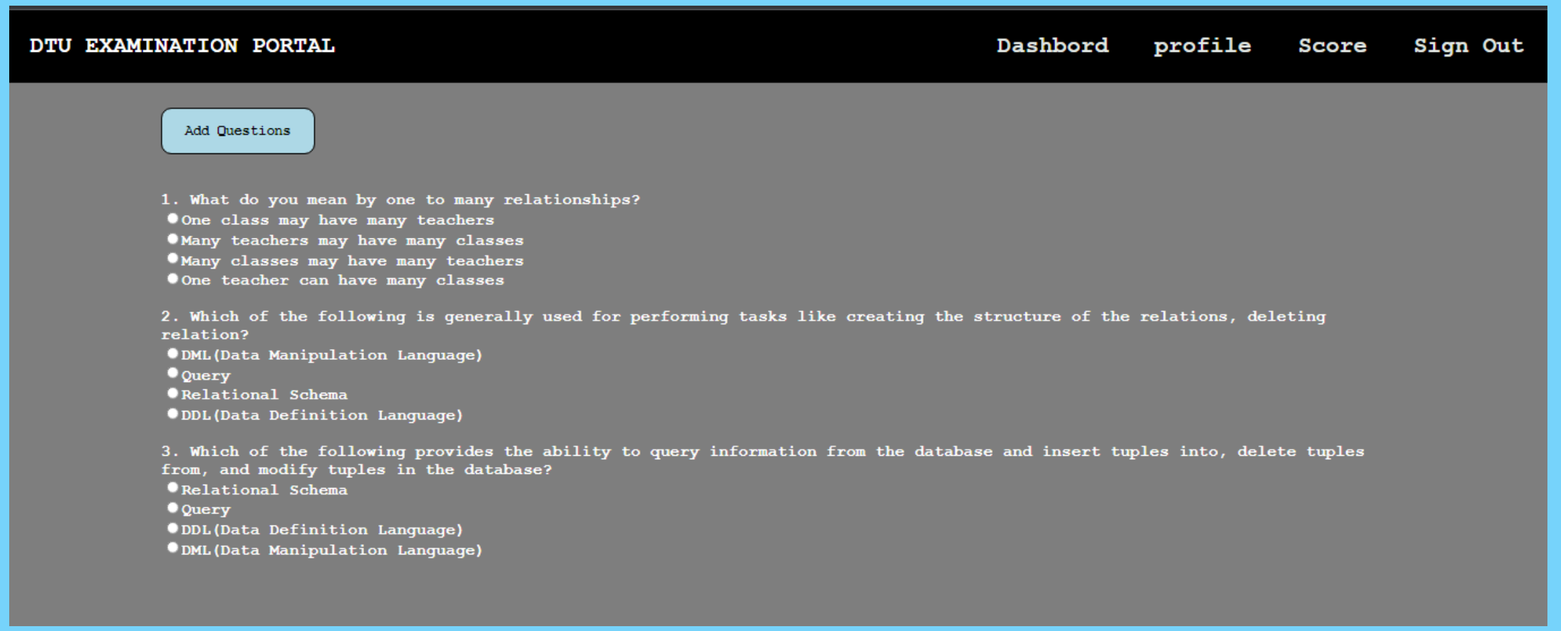
Quiz Title	Created on	Created By	
dbms lab	2022-04-23 20:13:21	test@gmail.com	Take Quiz
dbms lab test 2	2022-04-23 20:24:18	test@gmail.com	Take Quiz

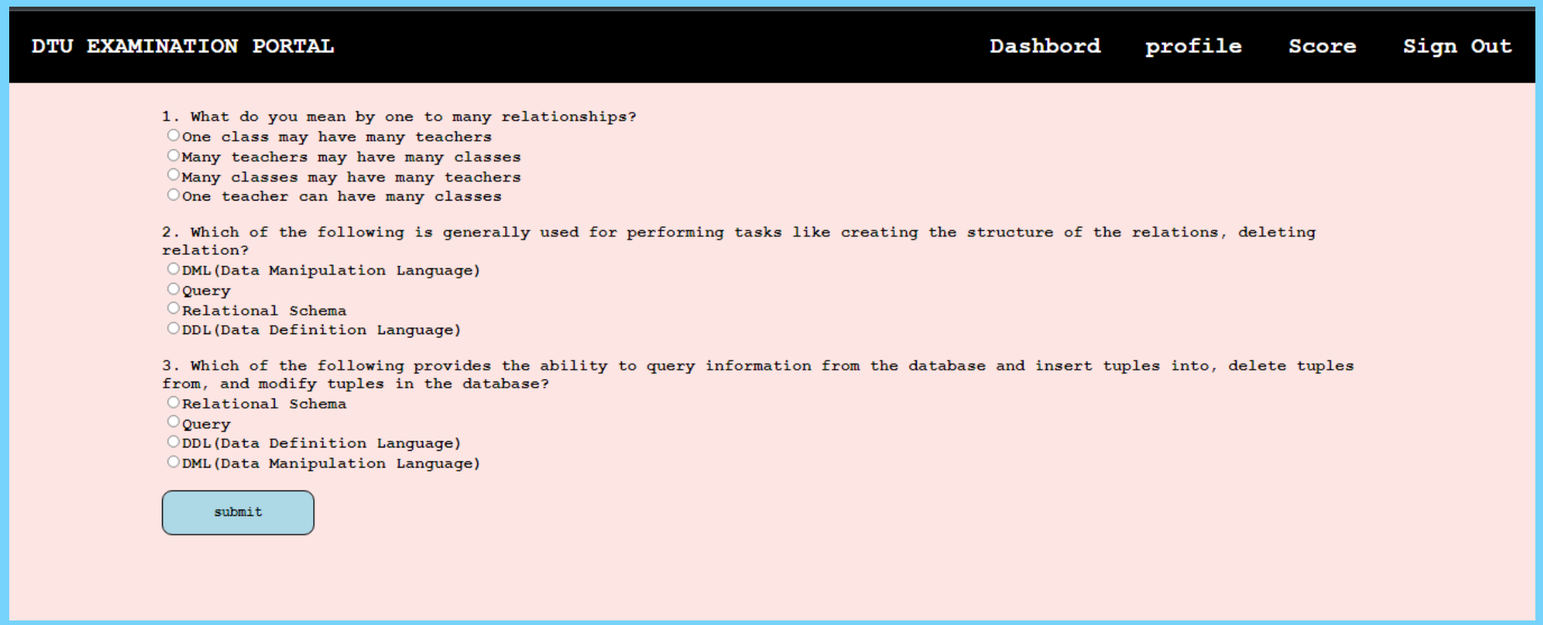
Leaderboard

Quiz Title	Score	Total Score	Student name	Student Mail ID
dbms lab	3	3	Aaryan	aaryan2134@gmail.com
dbms lab	2	3	Absaar	absaar123@gmail.com
dbms lab test 2	2	2	Absaar	absaar123@gmail.com
dbms lab	1	3	Absaar	absaar123@gmail.com
dbms lab	0	3	Naman	naman@gmail.com
dbms lab test 2	0	2	Aaryan	aaryan2134@gmail.com



QUIZ PORTAL


DTU EXAMINATION PORTAL
Dashbord
profile
Score
Sign Out
Add Questions
1. What do you mean by one to many relationships?
One class may have many teachers
Many teachers may have many classes
Many classes may have many teachers
One teacher can have many classes
2. Which of the following is generally used for performing tasks like creating the structure of the relations, deleting relation?
DML(Data Manipulation Language)
Query
Relational Schema
DDL(Data Definition Language)
3. Which of the following provides the ability to query information from the database and insert tuples into, delete tuples from, and modify tuples in the database?
Relational Schema
Query
DDL(Data Definition Language)
DML(Data Manipulation Language)


DTU EXAMINATION PORTAL
Dashbord
profile
Score
Sign Out
1. What do you mean by one to many relationships?
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2. Which of the following is generally used for performing tasks like creating the structure of the relations, deleting relation?
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Relational Schema
DDL(Data Definition Language)
3. Which of the following provides the ability to query information from the database and insert tuples into, delete tuples from, and modify tuples in the database?
Relational Schema
Query
DDL(Data Definition Language)
DML(Data Manipulation Language)
submit

KEY SQL QUERIES

SELECT QUERIES

select * from 'type' where mail='$username'

select * from quiz where mail='$username'

select quizid from quiz where quizname='$qname ';

SELECT QUERIES

select * from score,quiz where score.mail='{$username1}' and score.quizid=quiz.quizid

select quizname, s.name, score, totalscore from student s,staff st, score sc, quiz q where q.quizid = sc.quizid and s.mail = sc.mail and q.mail = '$username1' ORDER BY score DESC

INSERTING QUERIES

insert into student (usn, name, mail, phno, dept, gender, DOB, pw) values ('$usn1', '$name1', '$mail1', '$phno1', '$dept1', '$gender1', '$dob1', '$password1')

insert into questions (qs, op1, op2, op3, answer, quizid) values ('$qs', '$op1', '$op2', '$op3', '$ans', '$qid');

insert into score (score, mail, quizid, totalscore) values ('$score', '$dbmail', '$qid', '$count');

UPDATE QUERY

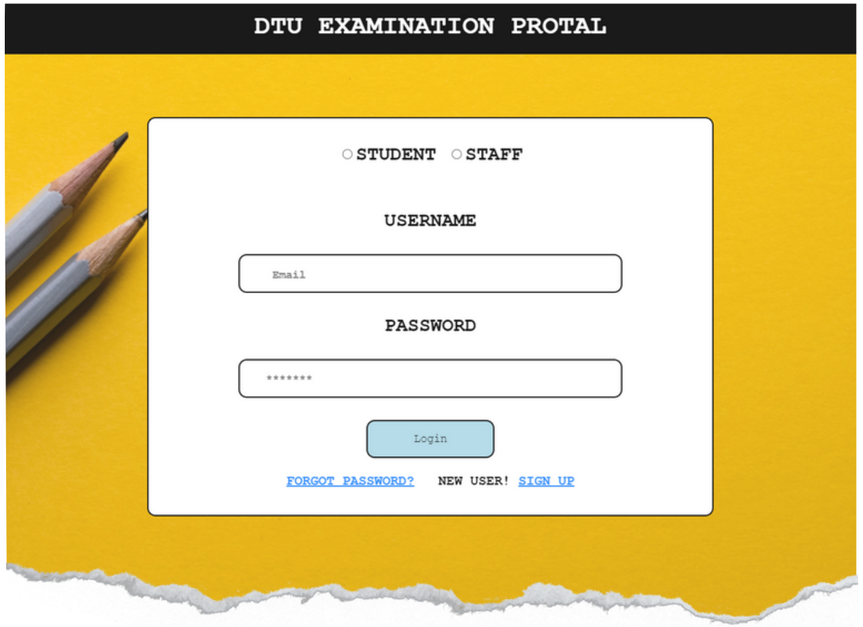
update '$type' set pw='$password' where mail='$dbmail

WHY THIS PROJECT?

1. Reduced Examination Cost
2. Reduced Administrative Burden.
3. Quicker to Mark and Issue Results.
4. Scalable with Worldwide Reach
5. Reduced Logistical Costs

CONCLUSION

Our Online Examination System enables the Students & Teachers to register for the system. Students are allowed to take the online test and see their progress. Also, it enables the Teachers to add, delete, update the test questions and also to keep track of the student progress.



DTU EXAMINATION PORTAL

FUTURE SCOPE

There are also few features which can be integrated with the system to make it more flexible.

Below list shows the future points to be considered.

- Adding the feature which will tell the current location.
- Transfer of images in Jspecific formats like JPEG or PNG.
- Adding the end to end encryption feature.

THANK YOU!

Have a nice day ahead.