

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



A Mini Project Report on

“QUIZ MANAGEMENT SYSTEM”

Submitted in the partial fulfillment for the requirements for the conferment of degree
of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE AND ENGINEERING

By

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B.M.S INSTITUTE OF TECHNOLOGY & MANAGEMENT
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that the Mini Project work entitled “**PROJECT TITLE**” is a bonafide work carried out by **Mr. / Ms. NAME (1BY18CS***)** in partial fulfillment for the award of **Bachelor of Engineering Degree in Computer-Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2020-21. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in this report. The Mini project report has been approved as it satisfies the academic requirements in respect of project work for the B.E Degree.

Signature of the Guide
Mrs. Ambika G.N

Signature of the HOD
Dr. Anil G.N.

Name of the Examiners

1.

2.

Signature with Date

ABSTRACT

The aim of the project is to have an efficient way to conduct tests and quizzes. This project makes it easier with the provided user interface for both the teachers and the students. Quiz management system is a system which helps a teacher or a professor or any education body to conduct a quiz with custom question and answers which can be engaged by the student. The record of each student is stored in the database, which makes it easy for the teachers to filter the marks and maintain logs. This also helps in a way of avoiding mal practices as other students cannot access other students attempt.

It becomes difficult to create maintain and handle quizzes in offline mode or through any other 3rd party source. With the increase in technological development it is very hard to cope with the trends. Using this helps take a big jump in a step towards development.

This system has been designed to computerize and automate the operations performed by the faculties to conduct a quiz. Also reduces the workload and improves the management of marks and the curriculum.

ACKNOWLEDGEMENT

I am happy to present this Mini project after completing it successfully. This project would not have been possible without the guidance, assistance and suggestions of many individuals. I would like to express my deep sense of gratitude and indebtedness to each and every one who has helped me to make this project a success.

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Special thanks to all the staff members of Computer Science Department for their help and kind co-operation.

Lastly I thank my parents and friends for their encouragement and support given to me in order to finish this precious work.

By,

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CHAPTER 1:

INTRODUCTION

Quiz management system is an efficient way to conduct and store records of the quizzes taken up by the students.

The user interface allows the teacher to update/change/add questions to the quiz. The portal lets us login either as a student or teacher. The student can register to the quiz by providing his/her details. The student has to answer to the given set of questions before the timer runs out. The timer starts when the student accepts the instructions given and clicks the begin button.

The teacher can login by giving the required credentials. The teacher can add another question, change the options of a question and delete the question as per the teacher's requirements. The teacher can view the results of the students who has taken up the quiz. The teacher can sort the list of students based on the marks achieved.

The student portal is interactive. It displays the details of the student, maximum marks and their current score of the test which is updated as they proceed with the test. It also has a running timer which the student can refer to.

This way it makes it easier for both the students and teachers to attend and take up quizzes.

AIM AND OBJECTIVE

The project tends to follow certain aims and objectives which have been used to drive the developers into the success of the project.

- ➔ To help any teacher, professor, faculty or teaching staff and department to easily develop a quiz which can be attempted by the students.
- ➔ To build an interface for students which is easy to use and interactive so that the students can easily take up the quiz
- ➔ To help teacher maintain the record of students who attempted the quiz and maintain the log.

CHAPTER 2: **LITERATURE SURVEY**

The Quiz Management System (QMS) is a tool that helps examiners conduct quizzes. Generally, the examiner will have to issue questions to the candidates, wait for them to finish their test and then collect the answer scripts back. By using the QMS the candidates can take up the quiz from their homes without any hassle. Evaluating the answer scripts is another time-consuming process. This can be avoided by using the QMS as it automatically increments the score of the candidate for every right answer. And finally, there wouldn't be any problem to store and record the details and marks of the candidate as the QMS will automatically record all these details in a tabular form for the examiner.

CHAPTER 3:

Software Requirements Specification

Hardware requirements:

Pentium IV or higher, (PIV-300GHz recommended)

Minimum 256 MB RAM

1 Gb hard free drive space

Software requirements:

Java JDK

MS Word 97 or later

Web Browser: Microsoft Internet Explorer, Mozilla, Google Chrome or later

MySQL Server (back-end)

Operating System: Windows XP / Windows7/ Windows Vista

CHAPTER 4:

DESIGN

SCHEMA DIAGRAM:

QUESTION

q_id	q-name	Opt1	Opt2	Opt3	Opt4
------	--------	------	------	------	------

ANSWERS

q_id	ans
------	-----

DETAILS

usn	name	fname	mname	gender	contact	email
-----	------	-------	-------	--------	---------	-------

TENTH

usn	ten_uni	ten_perc	ten_year
-----	---------	----------	----------

TWELVE

usn	twelve_uni	twelve_perc	twelve_year
-----	------------	-------------	-------------

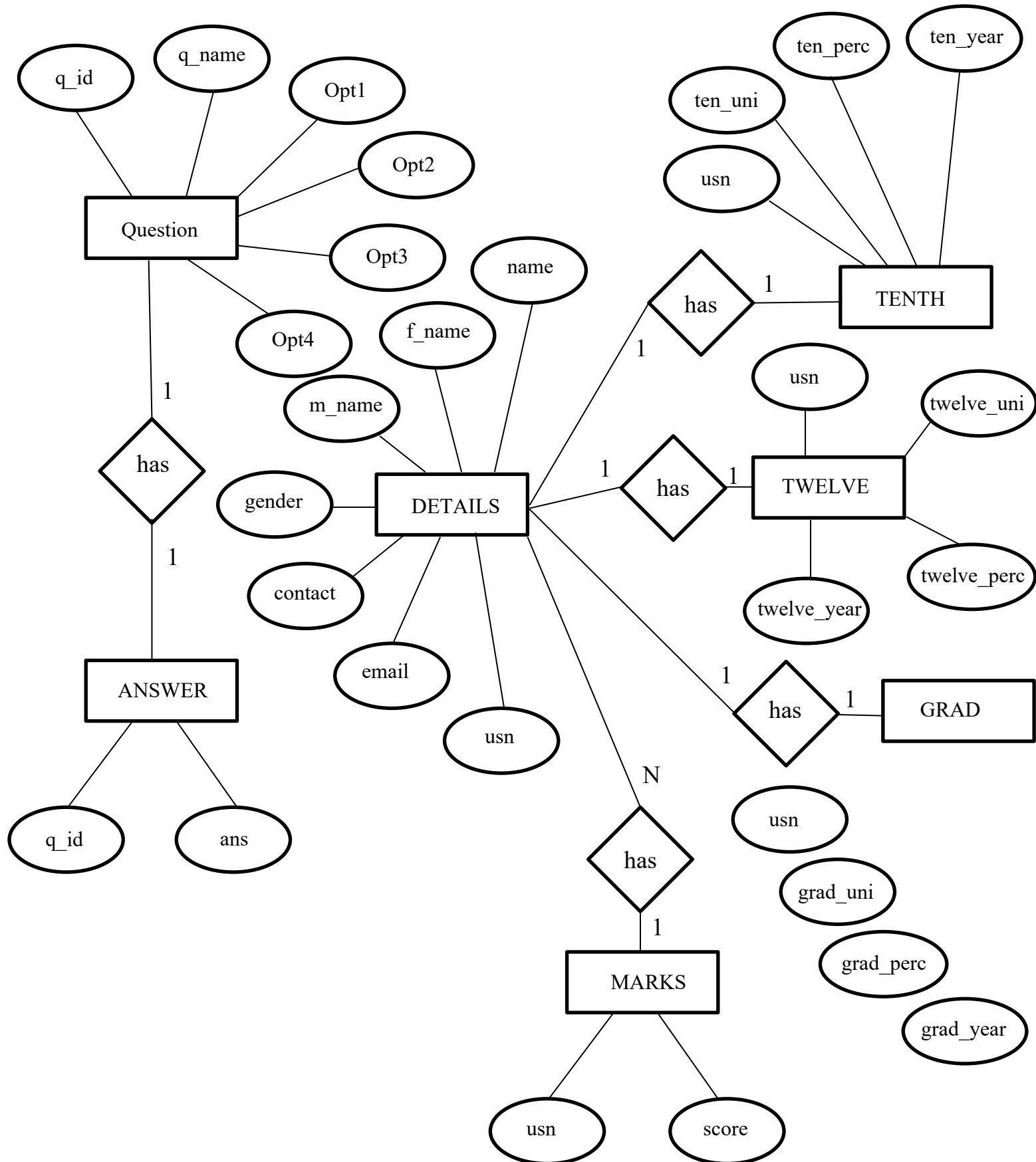
GRAD

usn	grad_uni	grad_perc	grad_year
-----	----------	-----------	-----------

MARKS

usn	score
-----	-------

Entity-Relationship Diagram



CHAPTER 5:

Implementation with Screen shot

Creation of Tables:

```
SQL> CREATE TABLE QUESTION(  
 2 Q_ID INTEGER PRIMARY KEY,  
 3 Q_NAME VARCHAR(500) NOT NULL,  
 4 OPT1 VARCHAR(100) NOT NULL,  
 5 OPT2 VARCHAR(100) NOT NULL,  
 6 OPT3 VARCHAR(100) NOT NULL,  
 7 OPT4 VARCHAR(100) NOT NULL  
 8 );
```

Table created.

```
SQL> CREATE TABLE ANSWERS(  
 2 Q_ID INTEGER PRIMARY KEY,  
 3 ANS VARCHAR(100) NOT NULL  
 4 );
```

Table created.

```
SQL> CREATE TABLE DETAILS(  
 2 USN VARCHAR(20) PRIMARY KEY,  
 3 NAME VARCHAR(20) NOT NULL,  
 4 F_NAME VARCHAR(20),  
 5 M_NAME VARCHAR(20),  
 6 GENDER VARCHAR(10) NOT NULL,  
 7 CONTACT NUMBER NOT NULL,  
 8 EMAIL VARCHAR(20) NOT NULL  
 9 );
```

Table created.

```
SQL> CREATE TABLE TENTH(  
 2 USN VARCHAR(20) REFERENCES DETAILS(USN),  
 3 TEN_UNI VARCHAR(20) NOT NULL,  
 4 TEN_PERC INTEGER NOT NULL,  
 5 TEN_YEAR INTEGER NOT NULL  
 6 );
```

Table created.

```
SQL> CREATE TABLE TWELVE(  
  2  USN VARCHAR(20) REFERENCES DETAILS(USN),  
  3  TWELVE_UNI VARCHAR(20) NOT NULL,  
  4  TWELVE_PERC INTEGER NOT NULL,  
  5  TWELVE_YEAR INTEGER NOT NULL  
  6  );
```

Table created.

```
SQL> CREATE TABLE GRAD(  
  2  USN VARCHAR(20) REFERENCES DETAILS(USN),  
  3  GRAD_UNI VARCHAR(20) NOT NULL,  
  4  GRAD_PERC INTEGER NOT NULL,  
  5  GRAD_YEAR INTEGER NOT NULL  
  6  );
```

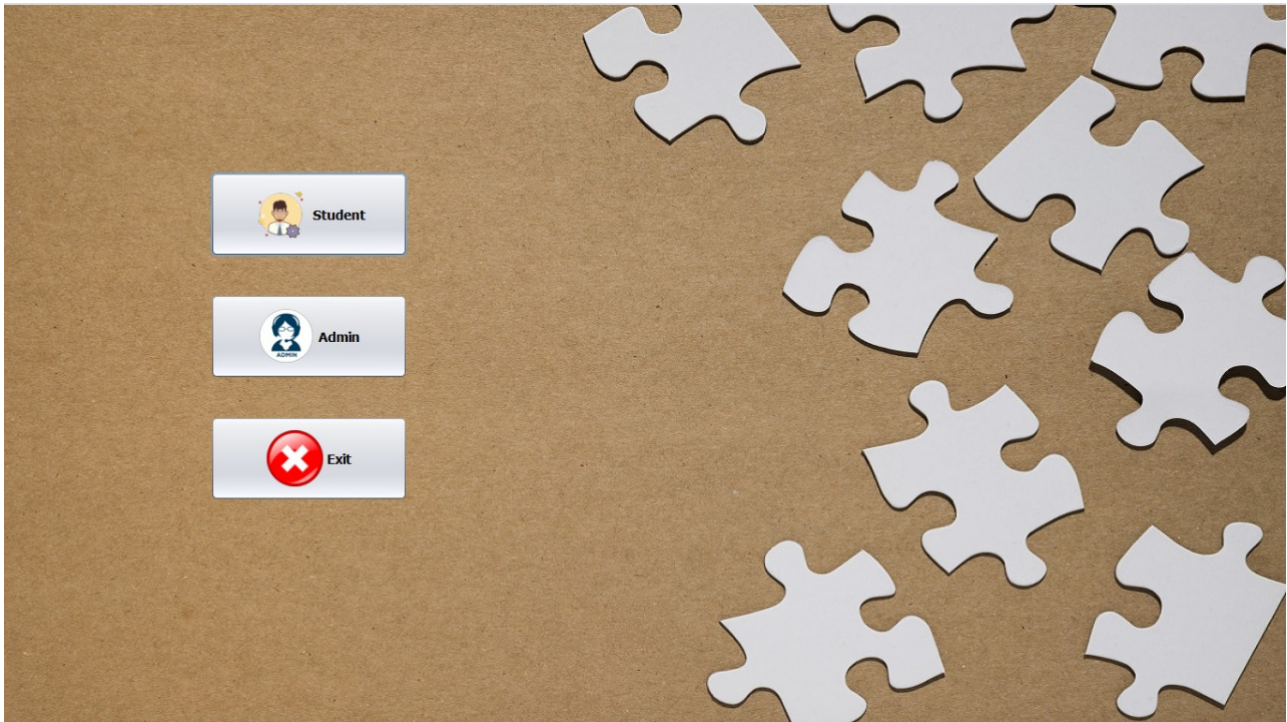
Table created.

```
SQL> CREATE TABLE MARKS(  
  2  USN VARCHAR(20) REFERENCES DETAILS(USN),  
  3  SCORE INTEGER NOT NULL  
  4  );
```

Table created.

Execution of Code:

Index Page



Student Details

 **FILL UP THE FORM**

Date: 18-01-2021

 Back



USN:

Name:

Father Name:

Mother Name:

Gender:

Male

Contact No.:

E-Mail:

10th Marks:

Enter University Name

Enter Percentage

Enter Passout Year

12th Marks:

Enter University Name

Enter Percentage

Enter Passout Year

Graduation:

Enter University Name

Enter Percentage


Enter Passout Year

Address:

Examination Management System is managing all the activities related to examination management right from receipt of Enrollment forms and Examination Forms through the processing of Results and Certificates and Grading Reports.

 Save & Next

Quiz Instructions

**INSTRUCTIONS**

During the Exam:

- 1- The student may not use his or her book, notes, or receive help from a proctor or any other source.
- 2- Students must complete all the questions exam within the time frame allotted for exam.
- 3- Students must not stop the session and then return to it. This is important in the online environment where the system will time-out and not allow the student to re enter exam.
- 4- All the Best!!

START QUIZ/EXAM

Quiz Attempt Page

**WELCOME**

Date: 18-01-2021

Total Time: 10min
Time Taken: 07

USN: 1by18cs001
Name: Ram
Total Question: 10
Question No.: 1
Your Marks: 00

Capital Of India

☐ Mumbai

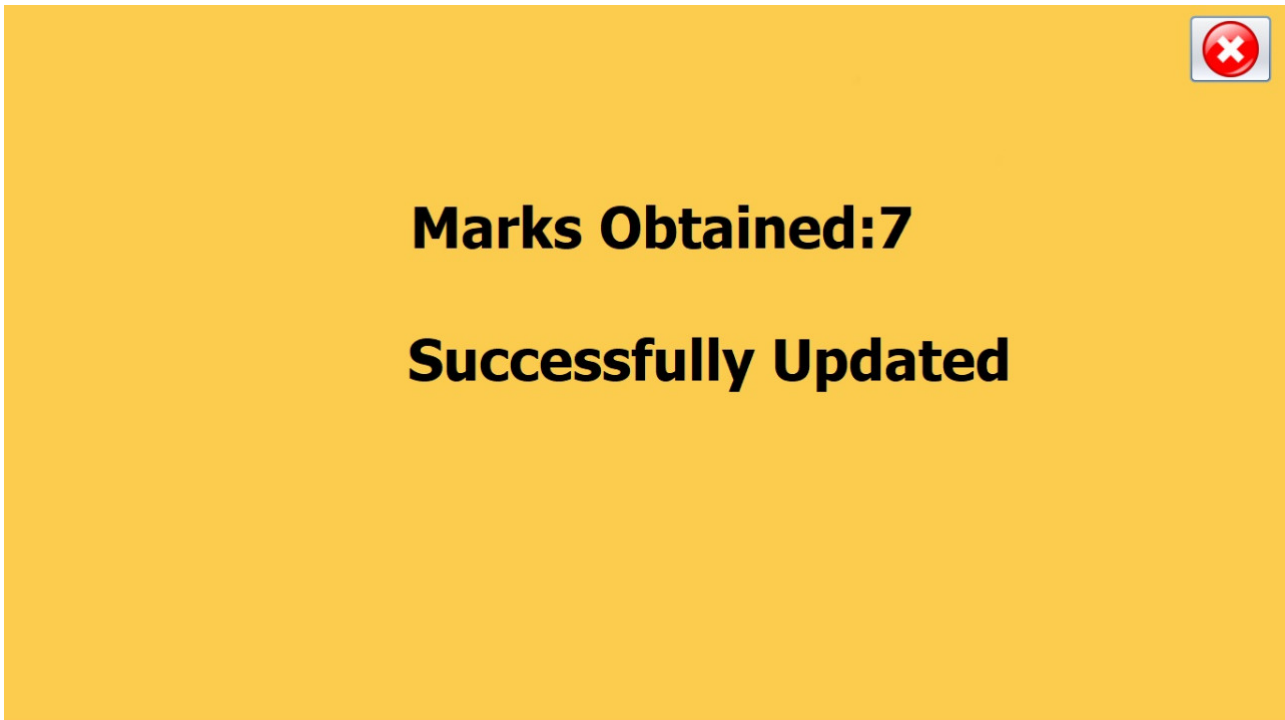
☐ Bengaluru

☐ New Delhi

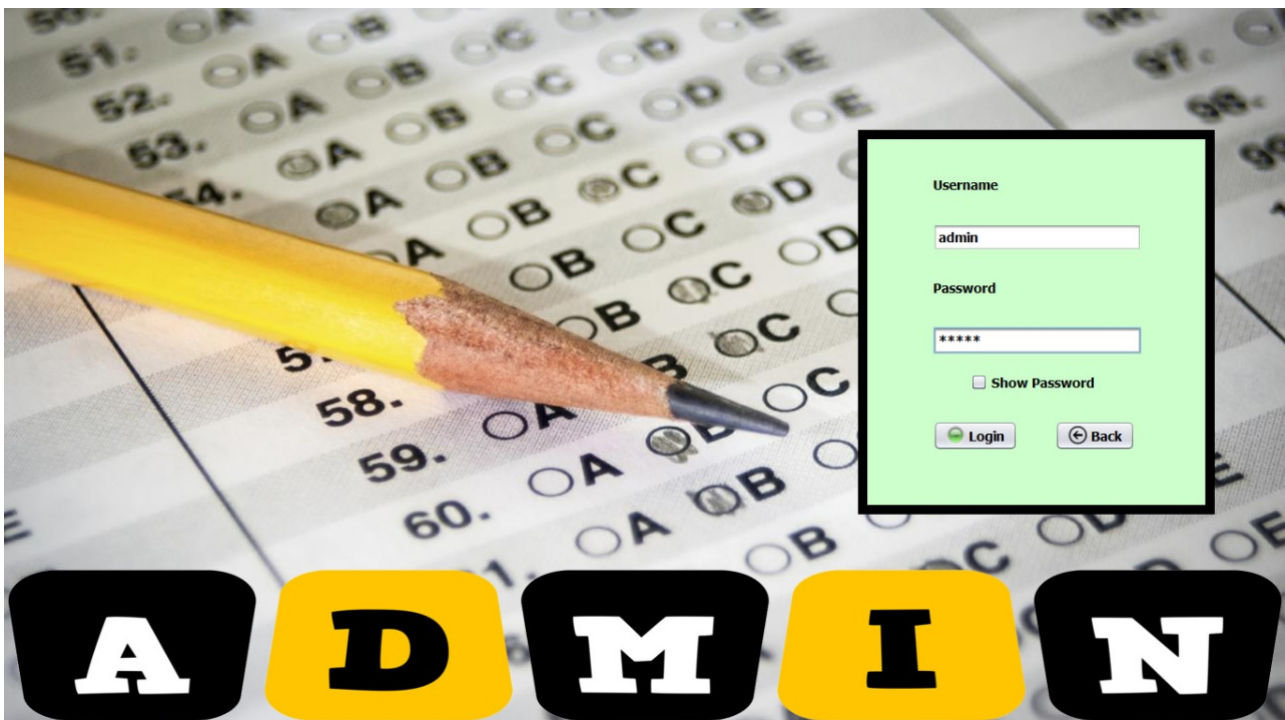
☐ Kolkata



Score Obtained

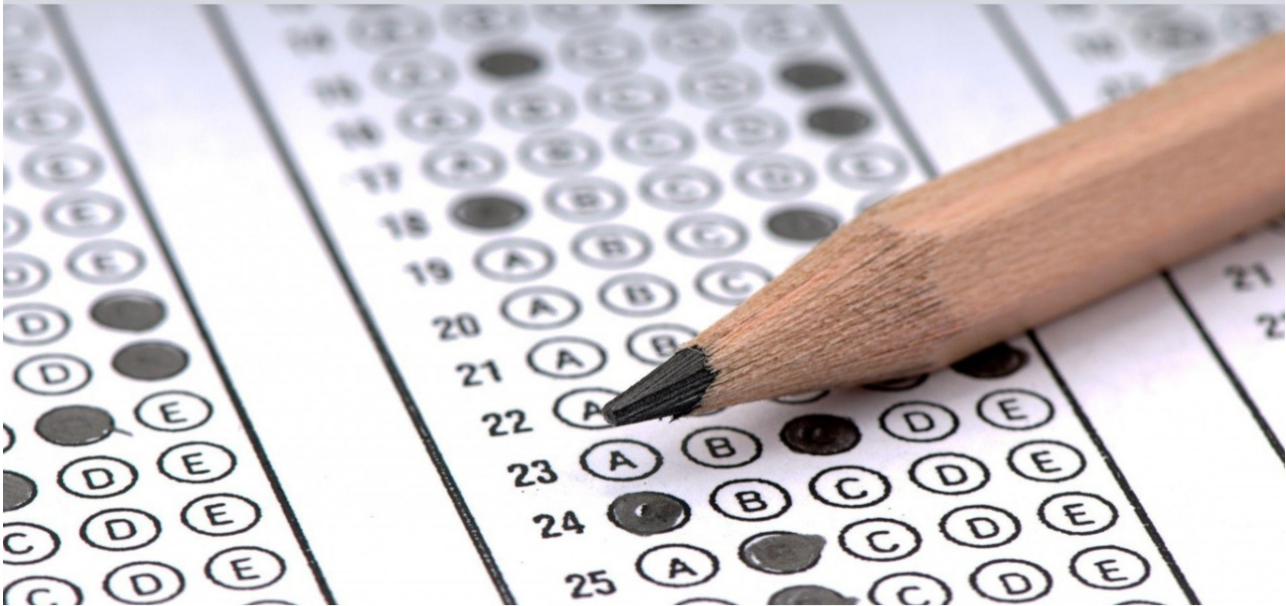


Admin Login Page



Navigation Page

Navigation Bar










Add New Question

Navigation Bar


A yellow rectangular form titled 'ADD NEW QUESTION' with a red 'X' close button in the top right corner. The form contains the following fields: 'Question ID: 11' (in red), 'Question:', 'Option 1:', 'Option 2:', 'Option 3:', 'Option 4:', and 'Answer:'. Each label is followed by a white input field. At the bottom of the form are two buttons: 'Save' (with a floppy disk icon) and 'Clear' (with a red arrow icon).

Delete Question & Update Question

Navigation Bar

 Add New Question  Update Question  All Questions  Delete Question  All Student Result  Logout  Exit

DELETE QUESTION

Question ID:  Search

Question:



Option 1:

Option 2:








Option 3:

Option 4:


Answer:

 Delete  Clear

Navigation Bar

 Add New Question  Update Question  All Questions  Delete Question  All Student Result  Logout  Exit

UPDATE QUESTION

Question ID:  Search

Question:



Option 1:

Option 2:

Option 3:

Option 4:

Answer:

 Update  Clear

All Question in Database

Navigation Bar

Add New Question
 Update Question
 All Questions
 Delete Question
 All Student Result
 Logout
 Exit

ALL QUESTION

Id	name	opt1	opt2	opt3	opt4	answer
1	Capital Of India	Mumbai	Bengaluru	New Delhi	Kolkata	New Delhi
2	Taj Mahal is in which city	Agra	Lucknow	Delhi	Patna	Agra
3	What is square of 4	25	9	16	20	16
4	How many continents I...	5	6	7	8	7
5	Which number planet I...	2	3	4	5	3
6	How many days in Feb...	27	28	29	30	29
7	Jeff Bezos is owner of?	Amazon	Facebook	Google	Tesla	Amazon
8	Indian Cricket team Ca...	Rohit Sharma	Virat Kohli	R. Ashwin	Shreyas Iyer	Virat Kohli
9	Winner of 2019 cricket ...	Australia	India	England	New Zealand	England
10	Which of these is outpu...	Mouse	Keyboard	Joystick	Monitor	Monitor

All Student Results

Navigation Bar

Add New Question
 Update Question
 All Questions
 Delete Question
 All Student Result
 Logout
 Exit

ALL STUDENT RESULT

Filter Students by Marks

rollNo	name	gender	contactNo	email	tenthUniv...	tenthPerc...	twelveUni...	twelvePer...	graduatio...	graduatio...	address	marks
1by18cs001	Ram	Male	9558445121	ram@bsm.in	KV	89	SJCC	81	BMS	78	Bangalore	8
1by18is002	Rohit	Male	9984586355	rohit123@g...	dps	91	dps	90	Christ	88	Biore	9
1by17cs003	Simran	Female	9995845526	simmil@gm...	Bishop co...	94	dps	95	ramiah	90	Pune	7
1by18cs004	Prachi	Female	955865475	prachid@ya...	nps	83	Deeksha	89	Pes	88	Mumbai	10

CHAPTER 6:

Conclusion & Future Enhancement

This windows application which we have developed would provide a computerized versions quiz management system which would facilitate the teachers.

It makes the entire process computerized where the teachers can add, delete, or update the quiz questions which can then be attempted by the student where they answer within a time limit, and try to score as many marks as possible. The system will also provide a log of all the attempts of his/her students who attempted the test. They can also sort the students based on marks so that its easy to manage them. This makes student marks management easier for the teachers.

The future scope of this application as in the near future is that it can be enhanced with various other features like live student tracking. Using ML algorithms to learn and analyze the mistakes made by the student and automatic provide answer keys and solutions based on there performances. It can also be enhanced by scaling up the project where multiple teachers can add their materials and multiple students can attempt various topics provided.

This current Quiz Management system application is currently developed for use in VTU subject DBMS Lab as a mini project.

CHAPTER 7:

References

- [GeeksforGeeks](#)
- [Stack Overflow](#)
- [YouTube](#)