

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution and affiliated to Anna University, Chennai)

Kuniamuthur, Coimbatore – 641 008

ONLINE EXAMINATION SYSTEM

Team Members:

19EUEC011 - Akshya K

19EUCB005 - Amruthavarshini C

19EUIT032 - Chujeetha R

19EUCB021 - Jaisakthi K

19EUIT060 - Jai Sree A

TABLE OF CONTENTS

- 1. Abstract**
- 2. Module Description**
 - 2.1 Faculty (ADMIN) Module**
 - 2.2 Student (USER) Module**
- 3. Work Split Details for Team Members**
- 4. Project Flowcharts**
- 5. UML Use Case Diagram**
- 6. Database Design**

ABSTRACT

The online examination system is a software solution that allows an institute to organize, perform and conduct tests online. This can be done via the Internet. Without going to the exam centre, the student can write exams. Paper and pen are not necessary. This project helps to create various mock exams for students.

Impacts in manual examination system:

Problems with manual examination systems are

- Delays in the processing of results
- Problems in filing
- It is not simple to filter records
- The chance of record loss is high
- It is also difficult to find records
- The system is also extremely difficult to maintain and takes time and effort.

Objective:

The online objective exam system is an online test system that allows users to take online tests and automatically generates results based on answers marked by users. It removes human errors that commonly occur during manual checking. The system provides an unbiased result. Thus the system excludes human efforts and saves time and resources.

Features:

- This is a desktop application developed or built using java domain or platform.
- This online examination portal is implemented in 2 stages:
 - I. Student examination module and
 - II. Admin examination module.
- Multiple courses can be added, questions can be updated, deleted and overall results can be viewed in the admin examination module.
- In the student examination module, students can register, login, select courses, participate in the examination and obtain results immediately.
- As a database management system, Oracle Database is used.
- Socket programming concept is used to implement this project.
- The student should enter their appropriate username and password to enter the examination.
- In this exam system, multiple-choice questions with suitable number of options and time limit are provided.

Scope:

The scope of this project is very broad.

Few of them are:

- ✓ Can be used in educational and corporate institutions.
- ✓ Can be used everywhere as it is a desktop application.
- ✓ There is no need for an examiner for the candidate to take the test.

MODULE DESCRIPTION

Student (USER) Module:

- ❖ After login process, the user (student) directs to the courses site, the user have to pick the course according to schedule.
- ❖ By clicking the course it will directs to the instructions site, after getting the clear instructions and accepting the terms and conditions it will take the user to the test process.
- ❖ As soon as the student submits the test, result form is displayed. The result form displays the result of objective questions and status of the student through the email.
- ❖ For a successful submission the user have to click the submit button then logout.

Faculty (ADMIN) Module:

- ❖ After faculty login, he/she will be directed to the main page, where he can update the existing course or add new course.
- ❖ Under update existing course .He must choose the course to modify. He can modify the question available.
- ❖ Under add new course, he must enter the total question number and course name then he is directed to question creation page where he can give question description, 4 options and correct answer.

WORK SPLIT DETAILS FOR TEAM MEMBERS

1) Faculty (ADMIN) Module

Designing - Akshya K (19EUEC011)

Socket Programming - Chujeetha R (19EUIT032)

Database - Jaisakthi K (19EUCB021)

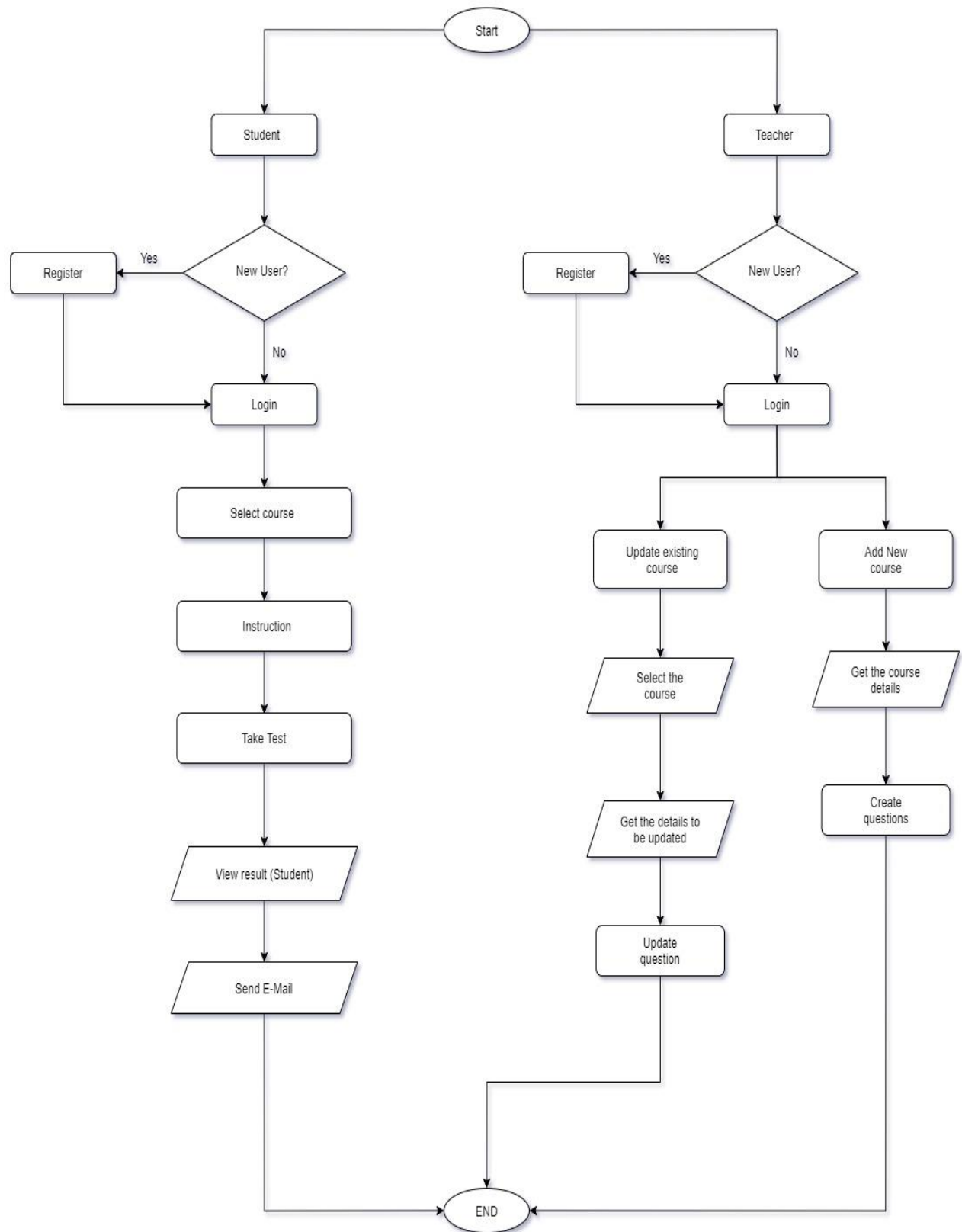
2) Student (USER) Module

Designing - Amruthavarshini C (19EUCB005)

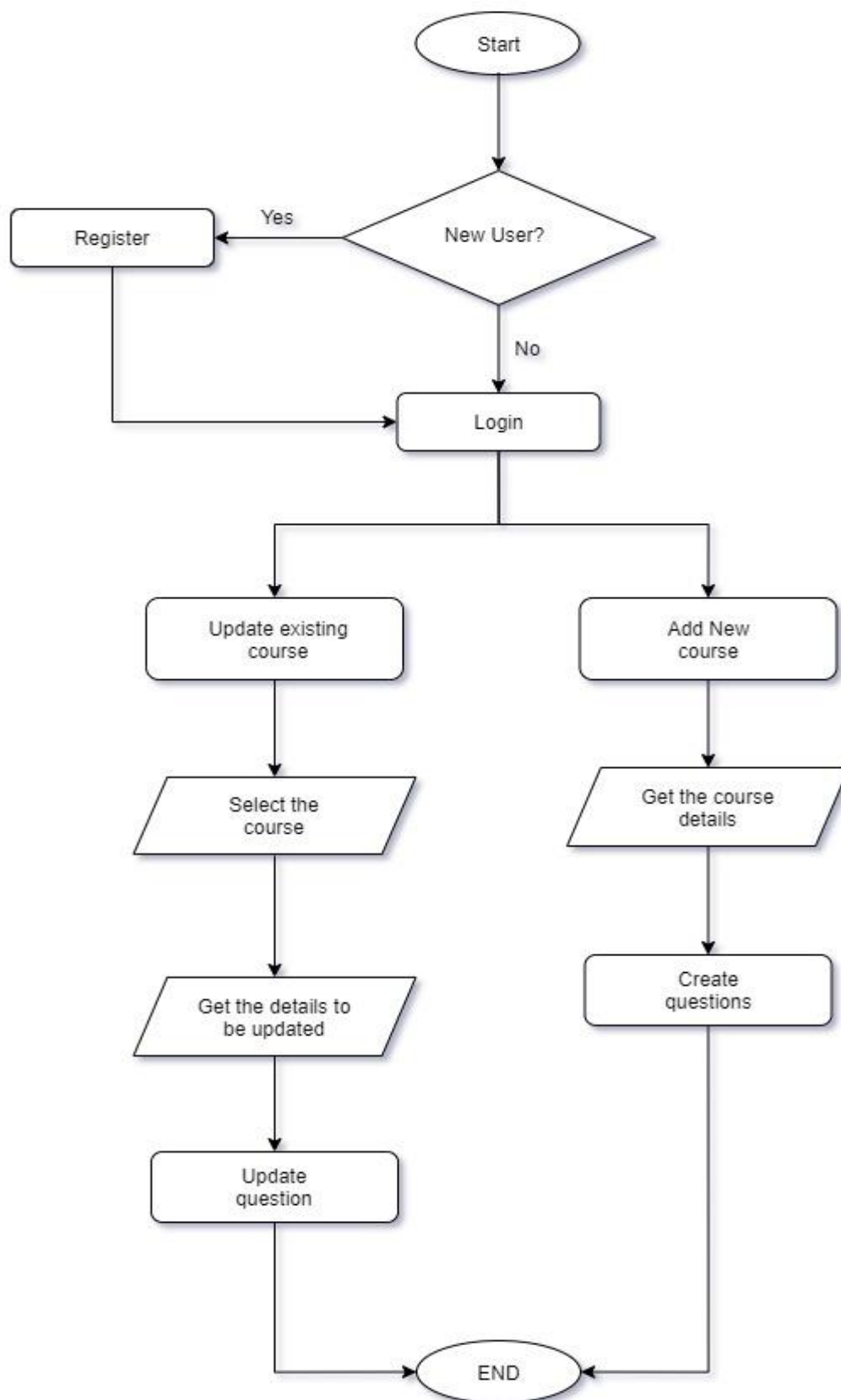
Socket Programming, Database - Jai Sree A (19EUIT060)

PROJECT FLOWCHARTS

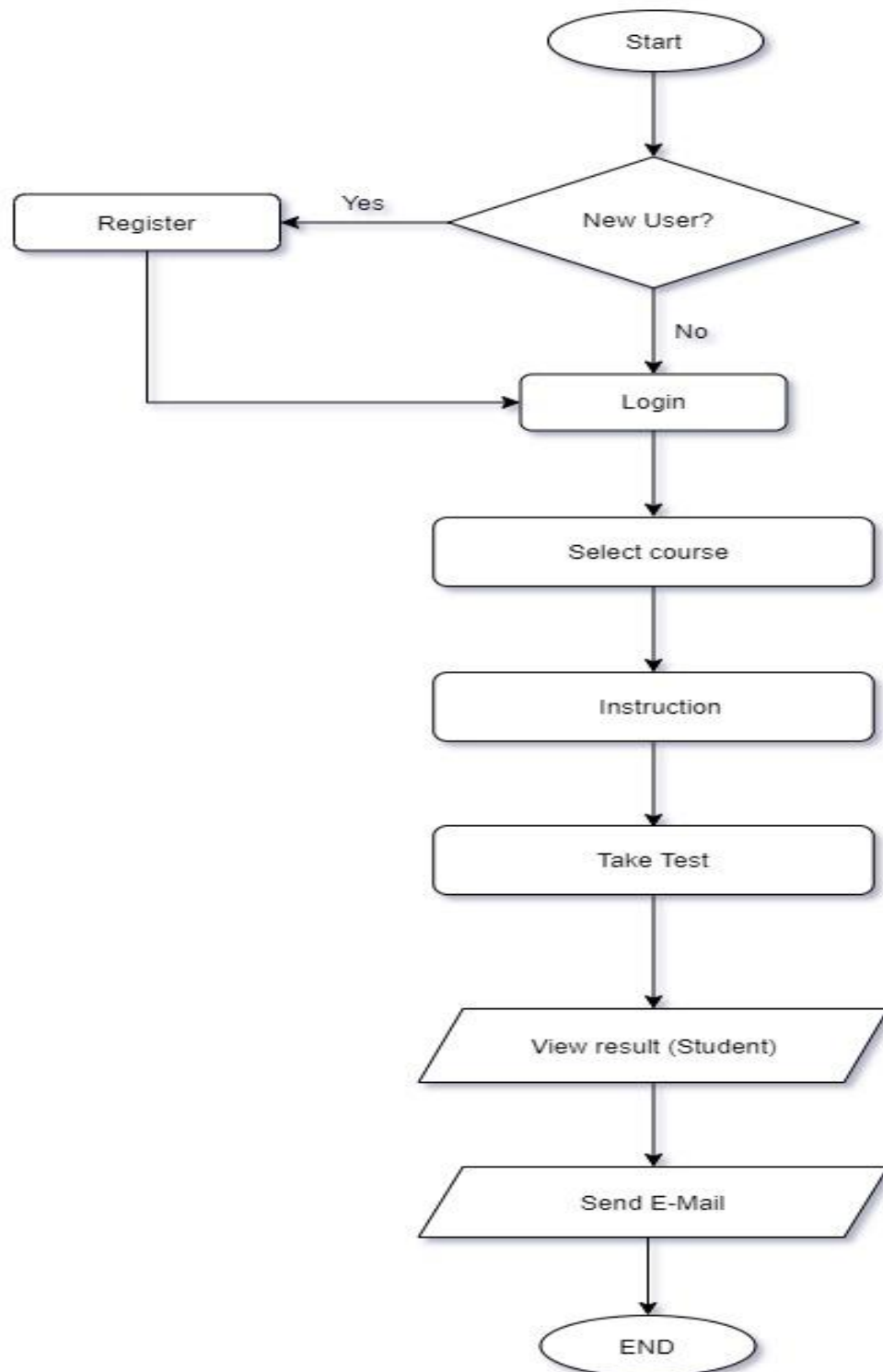
Basic Flowchart:



Faculty (ADMIN) Module:

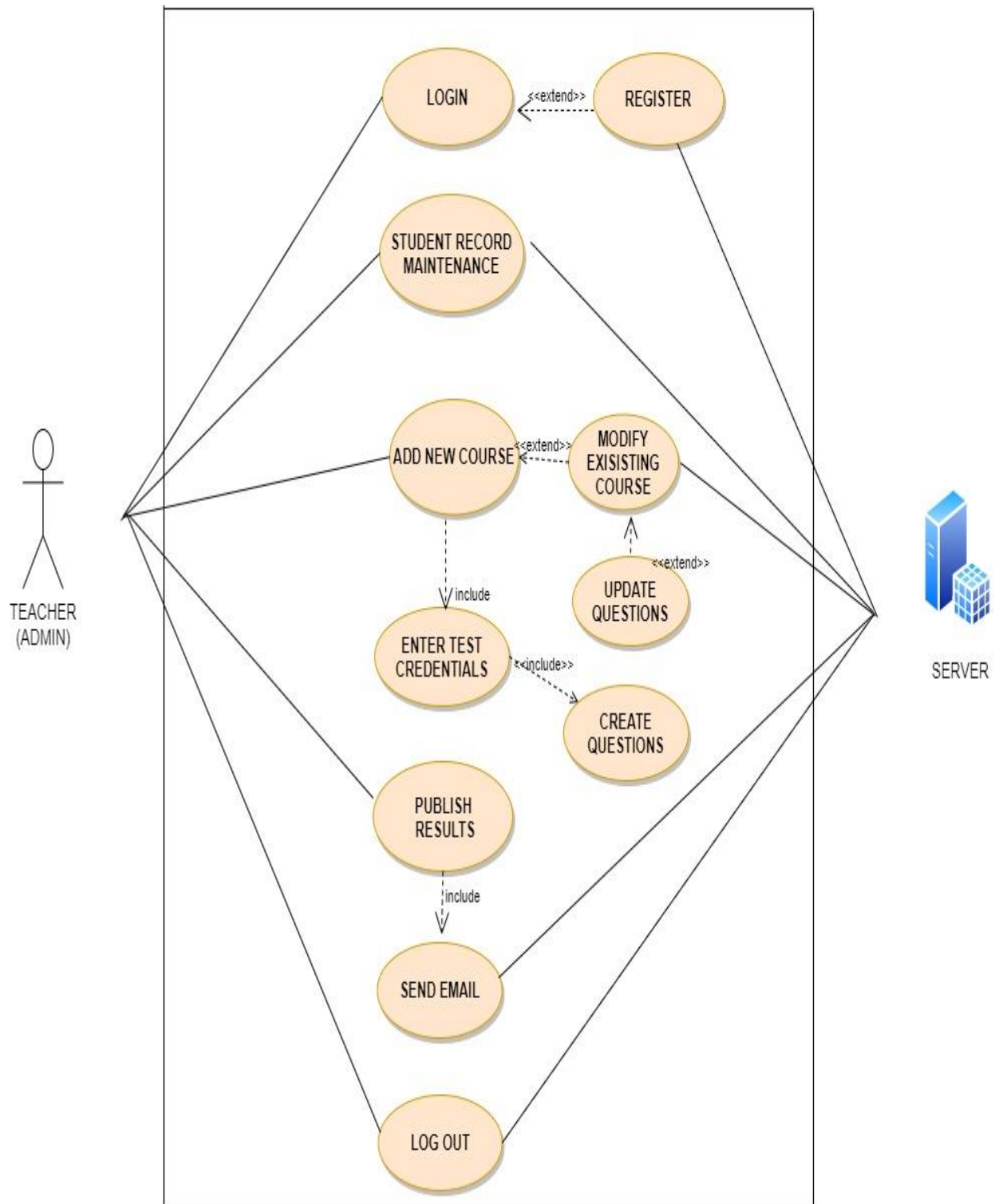


Student (USER) Module:

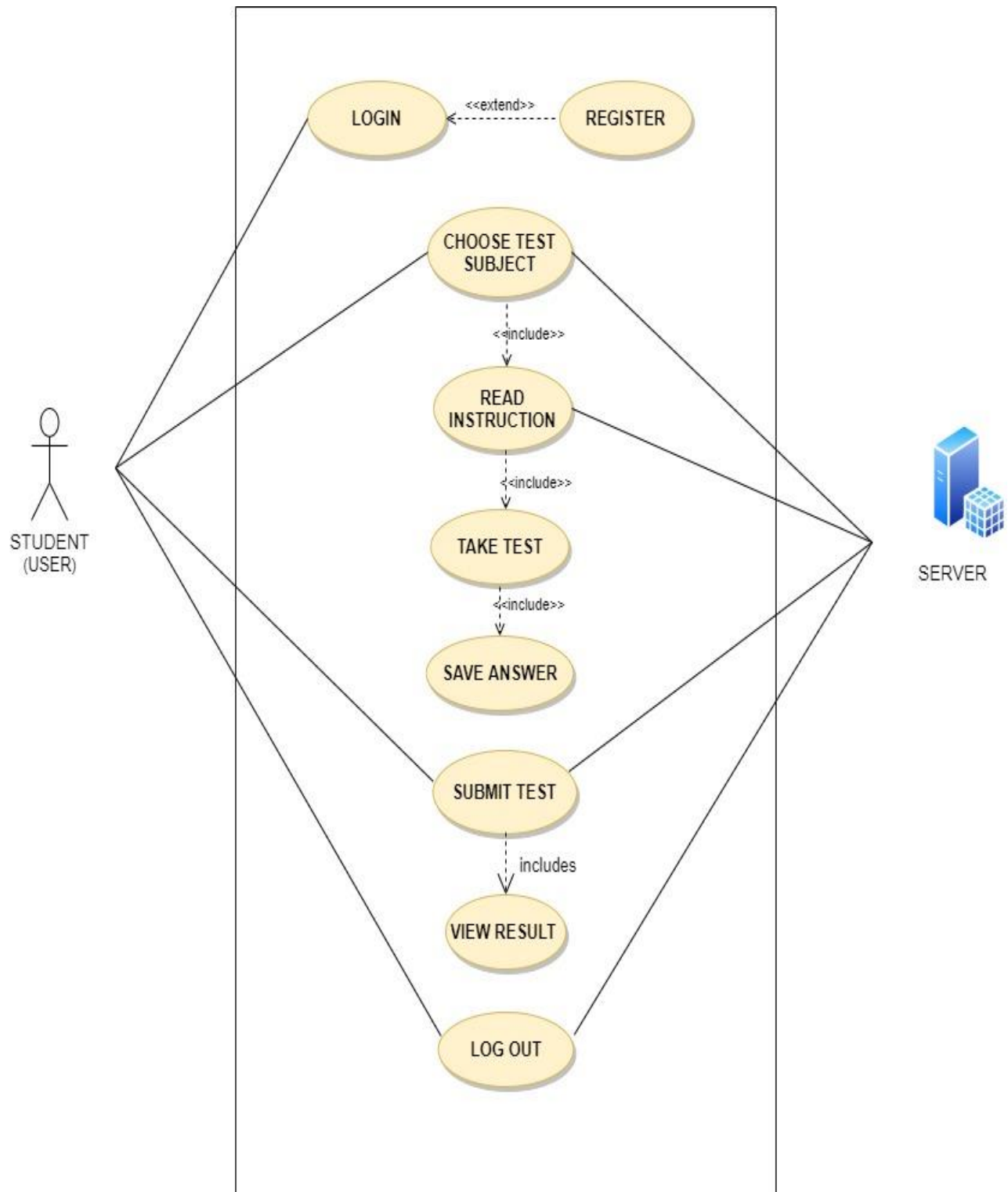


UML USE CASE DIAGRAM

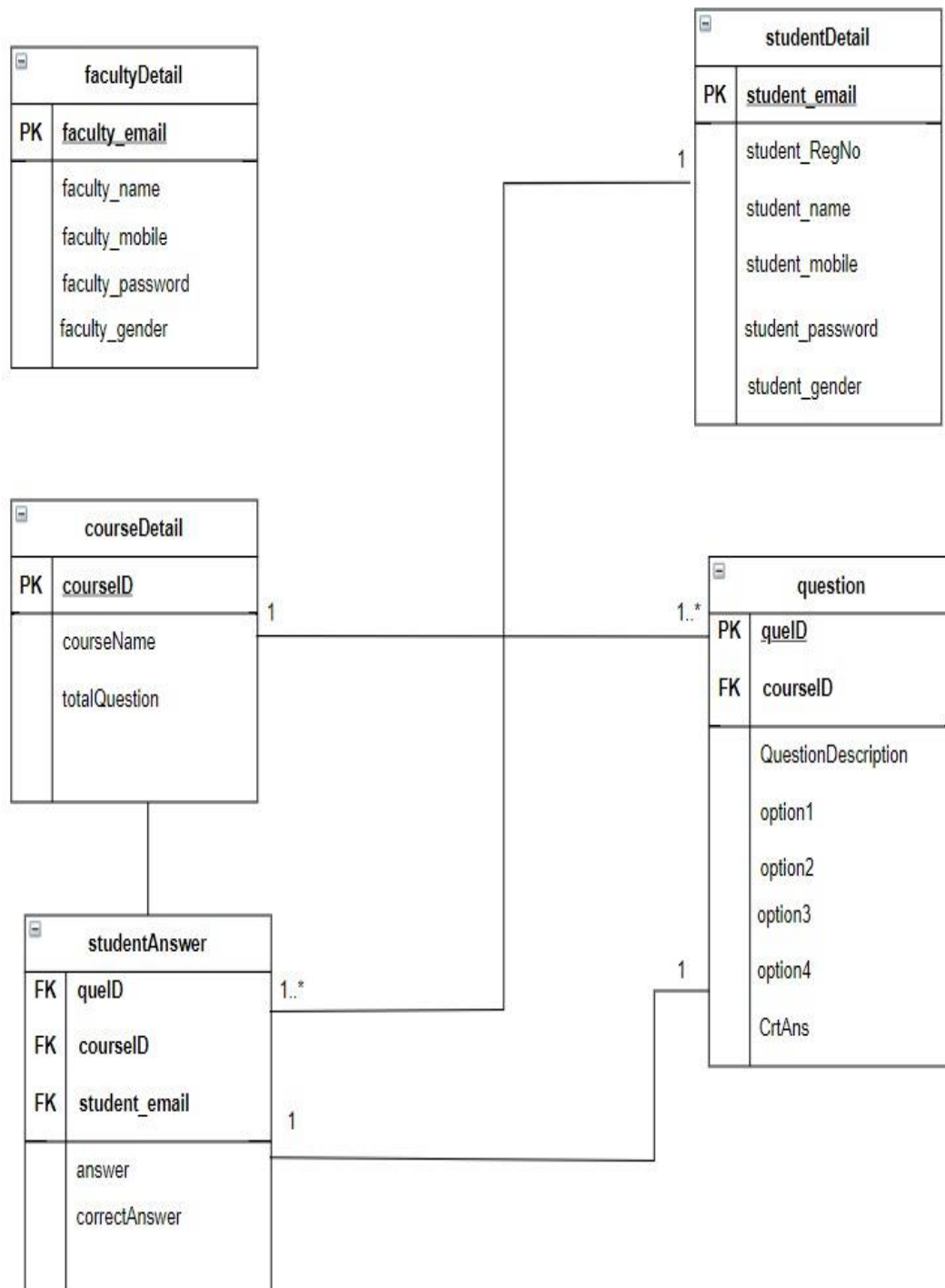
Teacher (ADMIN):



Student (USER):



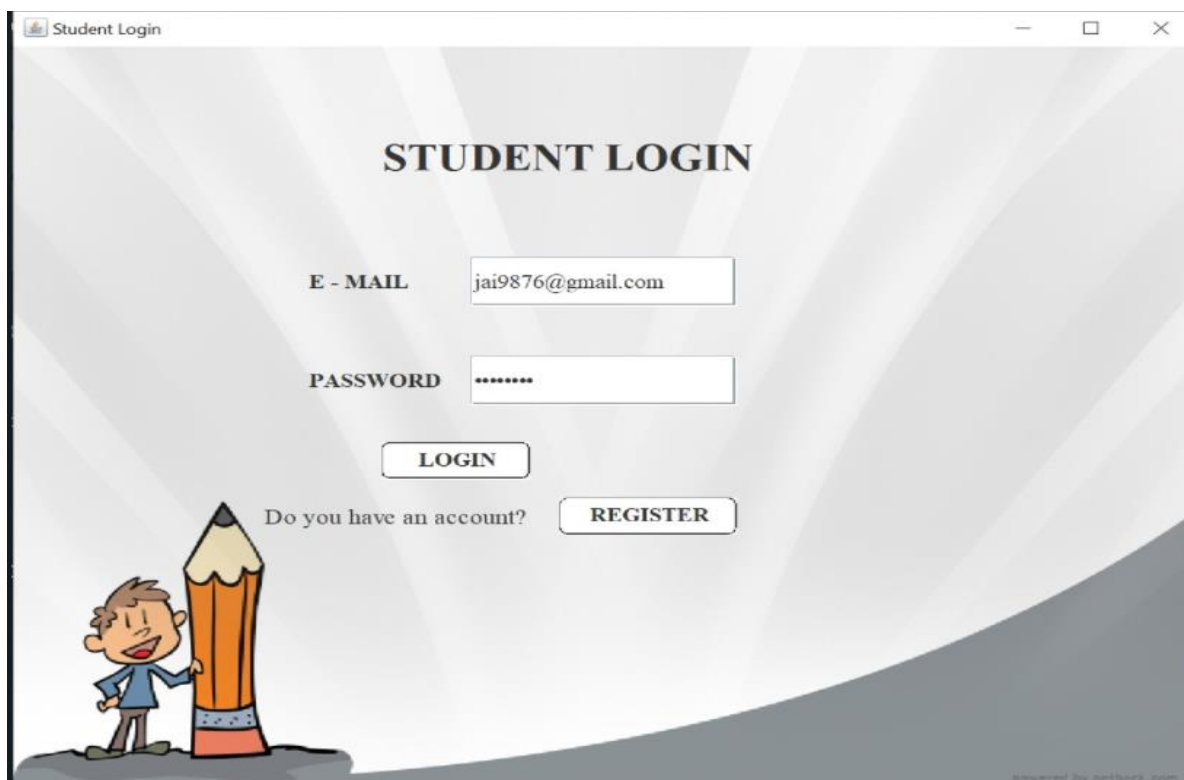
DATABASE DESIGN



HOME PAGE



STUDENT LOGIN




STUDENT REGISTER

Student Register

STUDENT REGISTRATION FORM

E-MAIL	<input type="text" value="blue@gmail.com"/>
NAME	<input type="text" value="Blue"/>
REGISTER NUMBER	<input type="text" value="01"/>
MOBILE	<input type="text" value="9876543210"/>
PASSWORD	<input type="password" value="*****"/>
GENDER	<input type="text" value="-"/>



powered by pptnack.com


STUDENT MAIN PAGE

Student Mainpage

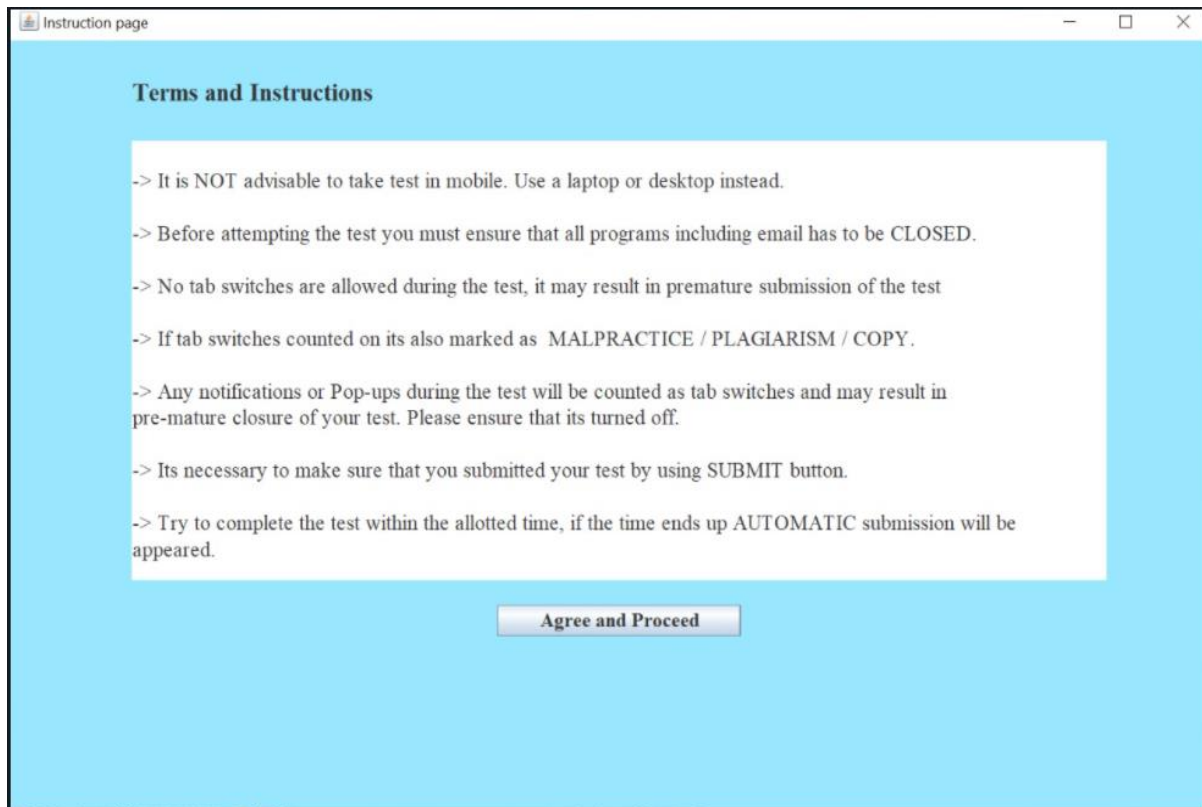
Welcome

CHOOSE A COURSE

<input type="text" value="-"/> DBMS OOPS Software Design	<input type="button" value="TAKE TEST"/>
-------------------------------------------------------------------	------------------------------------------



INSTRUCTION PAGE



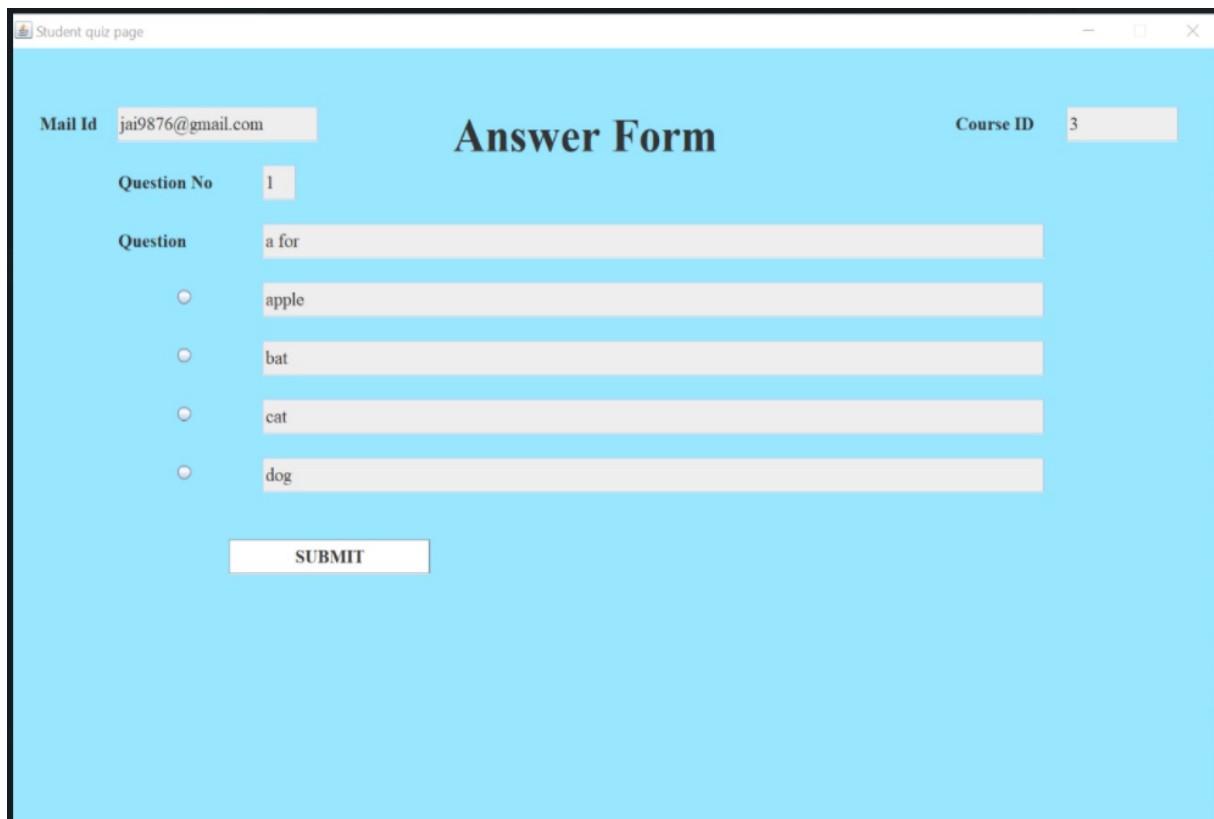
The screenshot shows a web browser window titled "Instruction page". The page has a light blue background. At the top, there is a section titled "Terms and Instructions". Below this, there is a white box containing a list of instructions. At the bottom of the page, there is a button labeled "Agree and Proceed".

Terms and Instructions

- > It is NOT advisable to take test in mobile. Use a laptop or desktop instead.
- > Before attempting the test you must ensure that all programs including email has to be CLOSED.
- > No tab switches are allowed during the test, it may result in premature submission of the test
- > If tab switches counted on its also marked as MALPRACTICE / PLAGIARISM / COPY.
- > Any notifications or Pop-ups during the test will be counted as tab switches and may result in pre-mature closure of your test. Please ensure that its turned off.
- > Its necessary to make sure that you submitted your test by using SUBMIT button.
- > Try to complete the test within the allotted time, if the time ends up AUTOMATIC submission will be appeared.

Agree and Proceed

TEST PAGE



The screenshot shows a web browser window titled "Student quiz page". The page has a light blue background. At the top, there is a header section with "Mail Id" and "Course ID" fields. In the center, there is a section titled "Answer Form". Below this, there is a form for "Question No" and "Question". The "Question" field contains a list of options: "a for", "apple", "bat", "cat", and "dog". At the bottom of the form, there is a button labeled "SUBMIT".

Mail Id jai9876@gmail.com **Course ID** 3

Answer Form

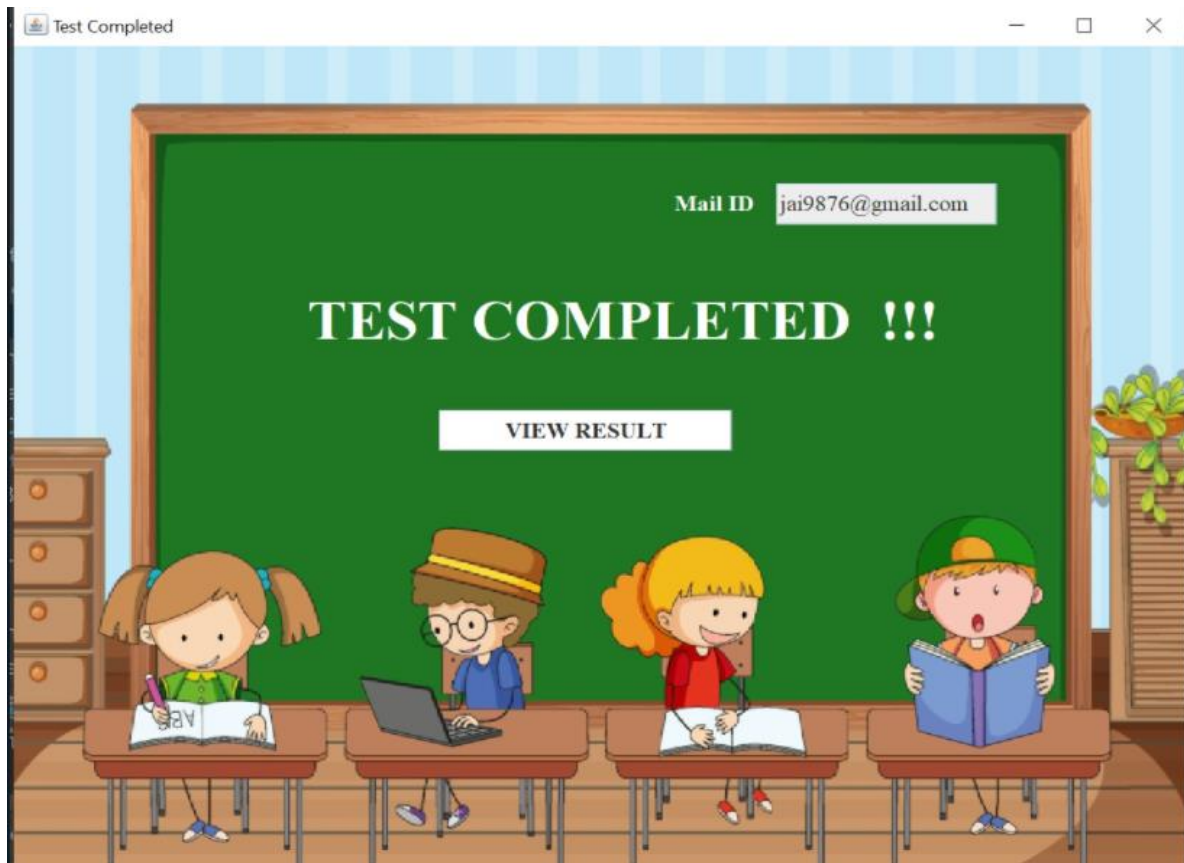
Question No 1

Question a for

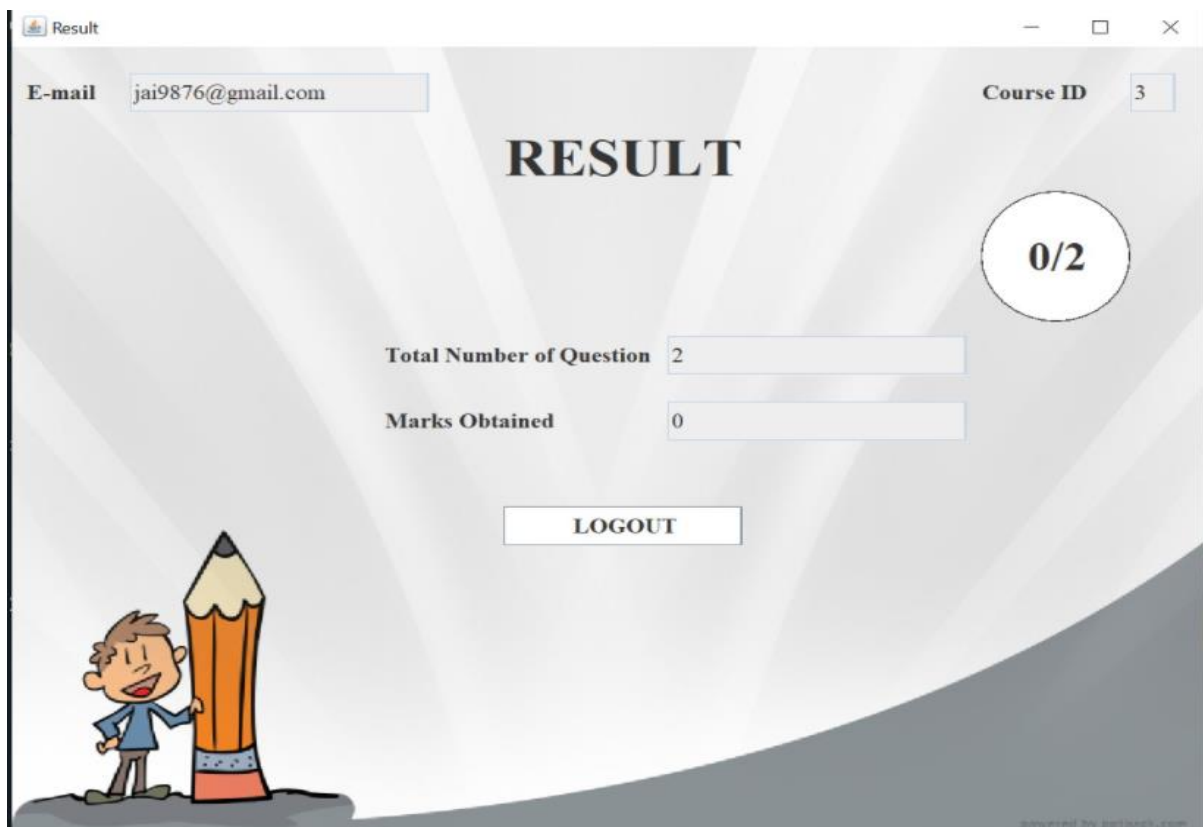
- ☐ apple
- ☐ bat
- ☐ cat
- ☐ dog

SUBMIT

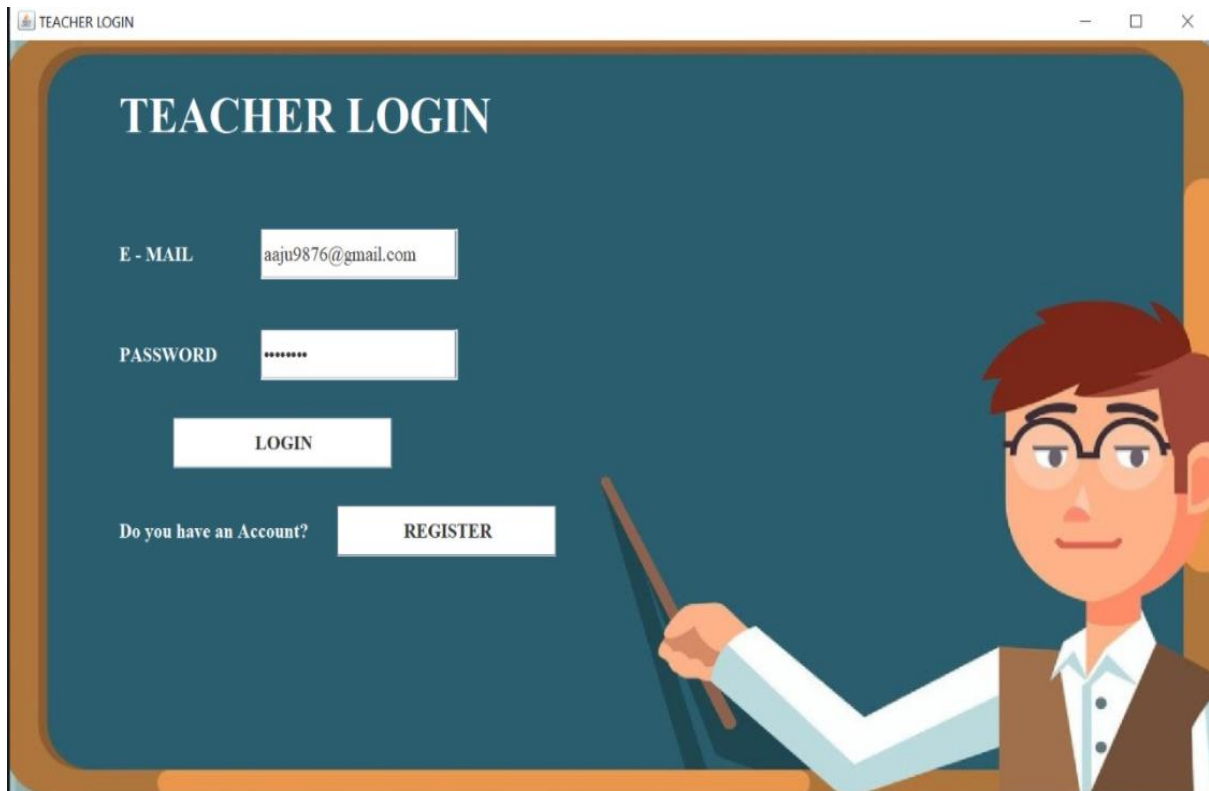
TEST COMPLETE PAGE



RESULT PAGE



TEACHER LOGIN



A screenshot of a web browser window titled "TEACHER LOGIN". The background is a dark blue chalkboard with a cartoon teacher on the right. The teacher is a man with brown hair, glasses, a white shirt, and a brown vest, holding a wooden pointer. The form on the left includes a title "TEACHER LOGIN", an "E - MAIL" field with "aaju9876@gmail.com", a "PASSWORD" field with "*****", a "LOGIN" button, and a "Do you have an Account?" link next to a "REGISTER" button.

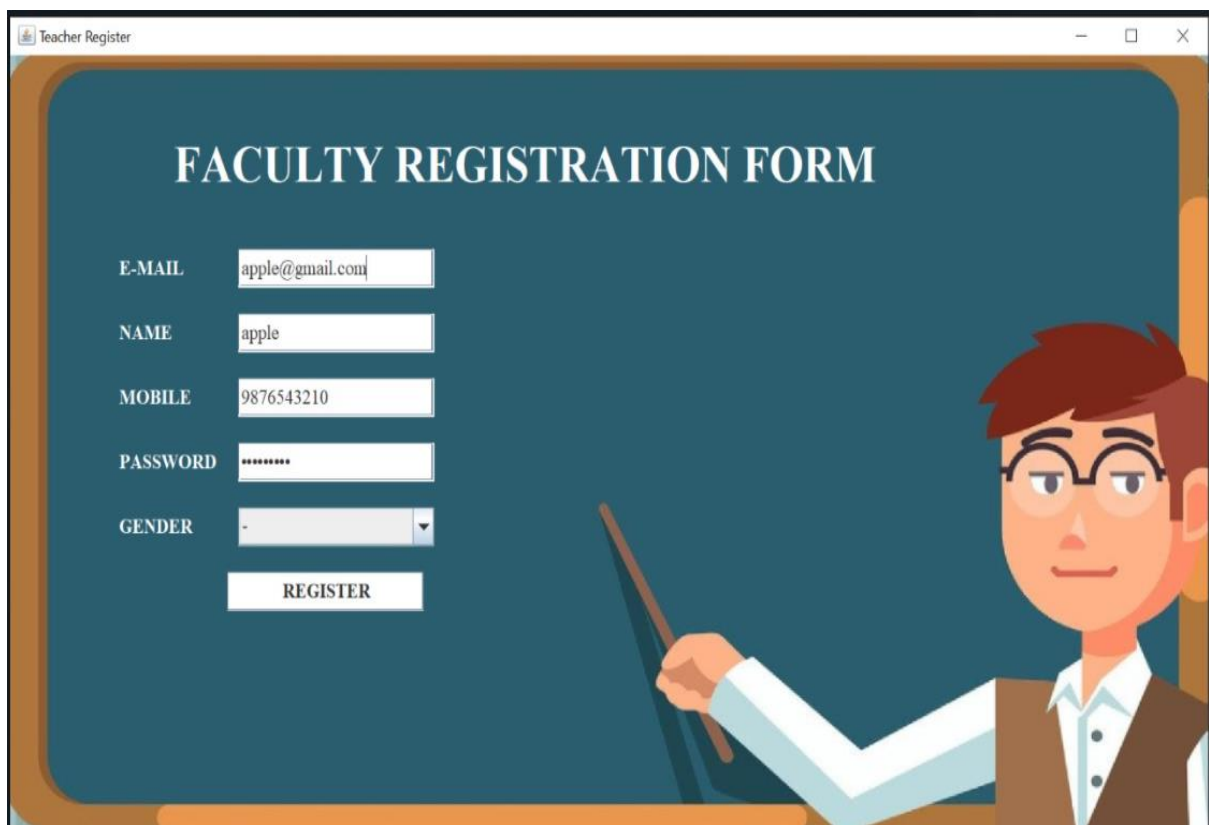
TEACHER LOGIN

E - MAIL

PASSWORD

Do you have an Account?

TEACHER REGISTER



A screenshot of a web browser window titled "Teacher Register". The background is a dark blue chalkboard with a cartoon teacher on the right. The teacher is a man with brown hair, glasses, a white shirt, and a brown vest, holding a wooden pointer. The form on the left includes a title "FACULTY REGISTRATION FORM", fields for "E-MAIL" (apple@gmail.com), "NAME" (apple), "MOBILE" (9876543210), "PASSWORD" (*****), and "GENDER" (a dropdown menu with "-" selected), and a "REGISTER" button.

Teacher Register

FACULTY REGISTRATION FORM

E-MAIL

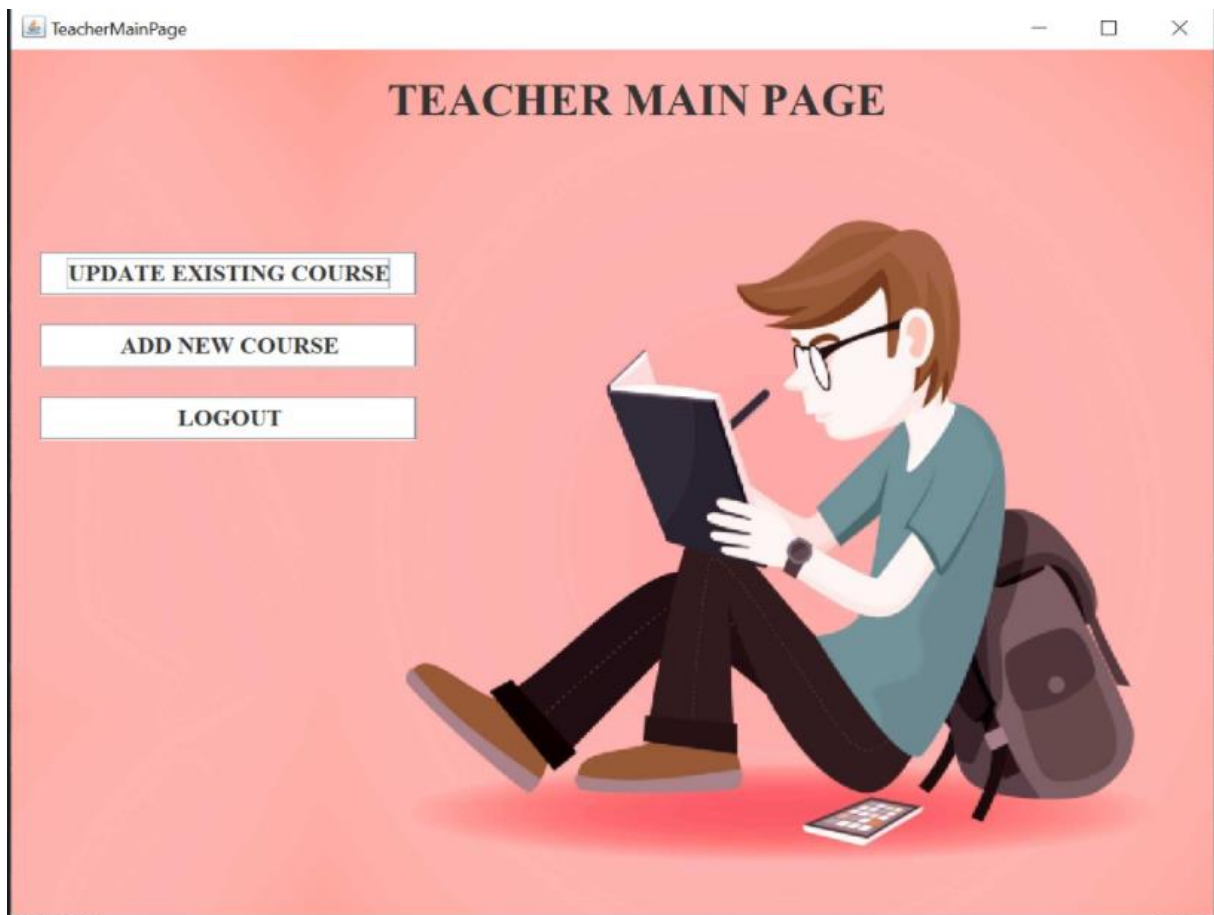
NAME

MOBILE

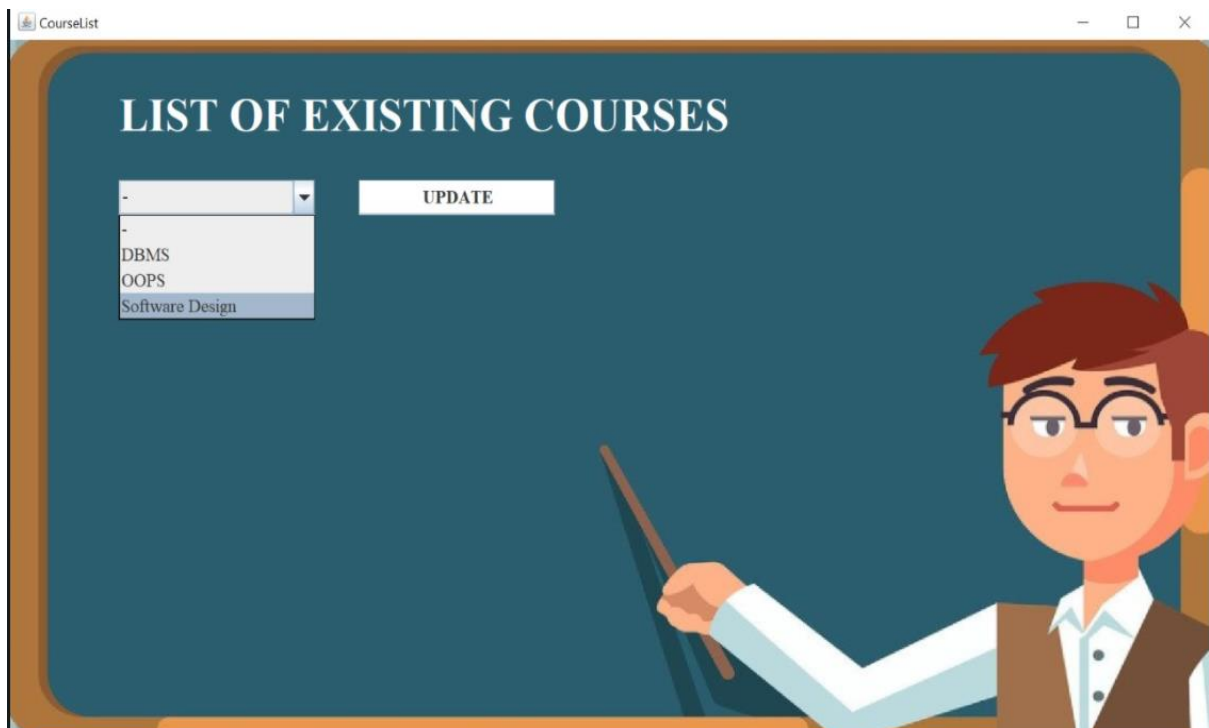
PASSWORD

GENDER

TEACHER MAIN PAGE



UPDATE COURSE PAGE



UPDATE QUESTION

QuestionCreation

Question Form

Course ID3

Question No

1

Question

a for

Option 1

apple

Option 2

bat

Option 3

cat

Option 4

dog

Answer

apple

Save

COURSE DETAIL PAGE

NewCourse_Add

COURSE DETAILS


TOTAL QUESTION NUMBER

2

COURSE NAME

Maths

Create



QUESTION CREATION PAGE

QuestionCreation

Question Form

Course Name

Question No

Question

Option 1

Option 2

Option 3

Option 4

Answer

Save

EMAIL VERIFICATION

