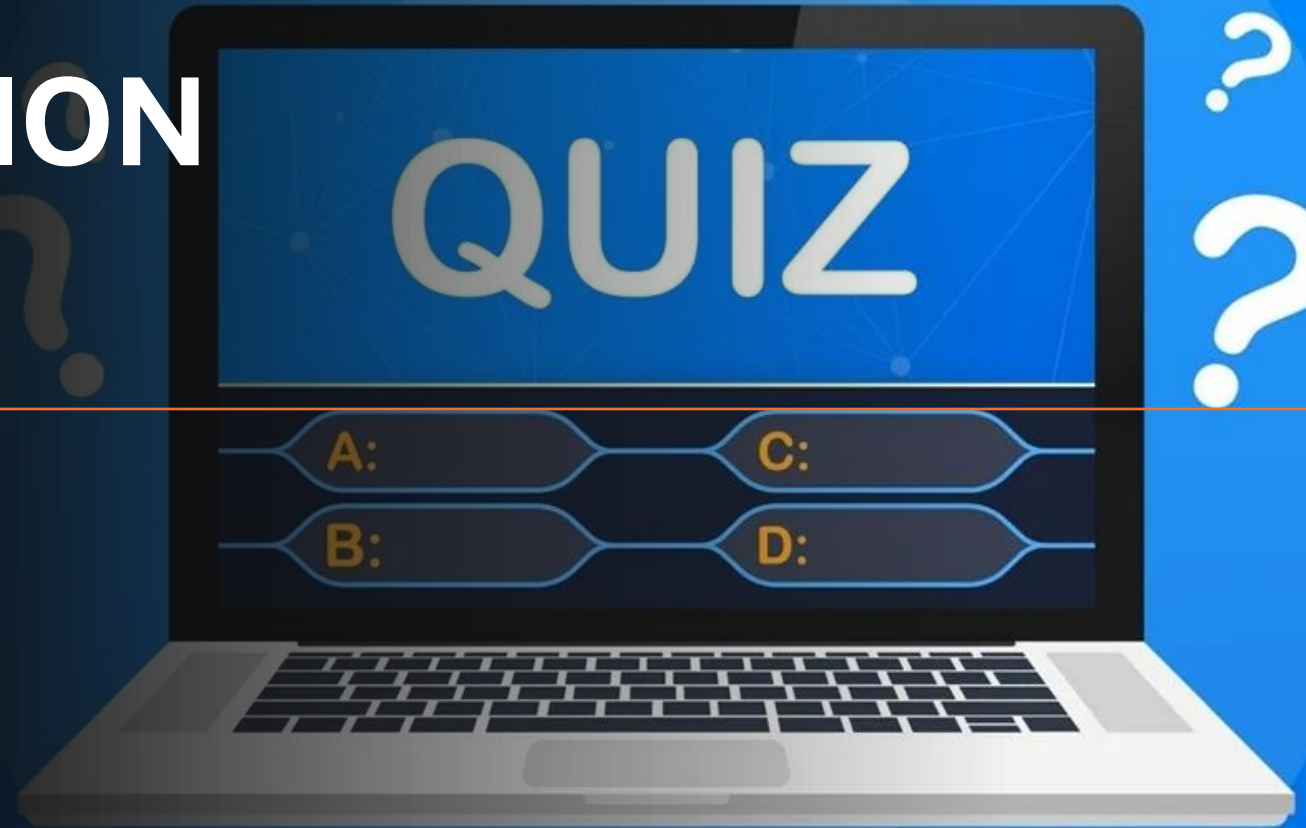


QUIZ APPLICATION SYSTEM



Presented to Dr / Zeinab Atef

Name	Id
Ahmed Samy Omar	202205191
Ahmed Diaa Mostafa	202205902
Ahmed Samy Abd El Tawab	202201960
Mohamed Badr Helmy	202202985
Sherif Ayman Ahmed	202202928
Kareem Abd El Tawab Hamed	202205181
Ahmed Wagih Mohamed	202203517



**What is the Quiz
Application System?**



**A digital platform to
create, manage and
participate in quizzes**



Purpose:



**Enhance learning,
assessment, and
engagement**



How the System Works?



(From the teacher interface)



User login → Quiz cereation → Put questions → Put the correct answer



How the System Works?



From the student interface



User login → Quiz selection → Participation → Results analysis

(SRS)

- **1. Introduction**
- **1.1 Project Scope**
- **The project aims to develop a user-friendly quiz application that allows users to create, participate in, and manage quizzes efficiently.**

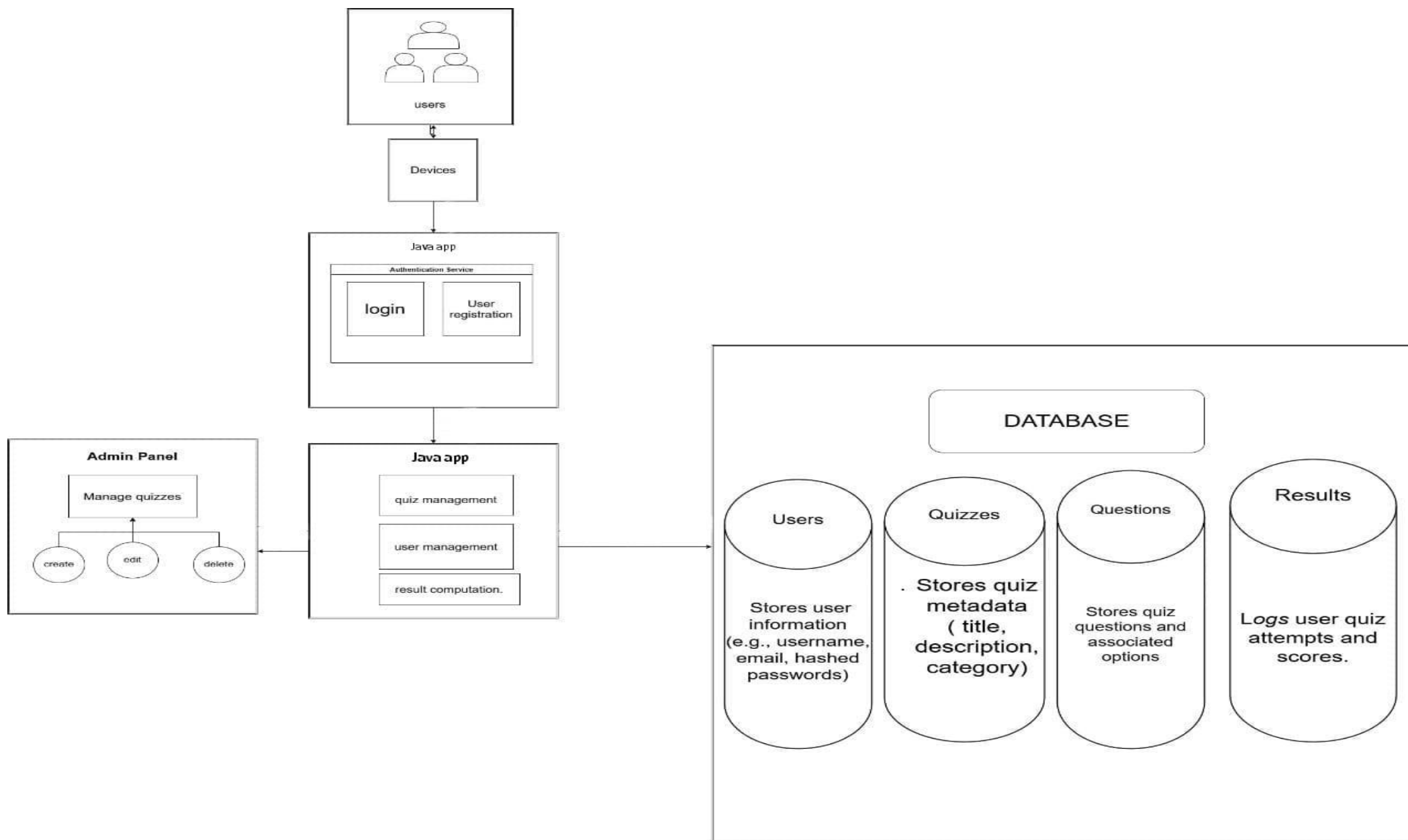
- **2. Overall Description**
- **2.1 Product Features**
 - - **User registration and authentication**
 - - **Quiz creation and management**
 - - **Quiz participation and scoring**
- **2.2 User Classes and Characteristics**
 - - **Admin: Can create and manage quizzes.**
 - - **Participants: Take quizzes and view results.**

- **3. System Features**
- **3.1 User Registration**
- **Allow users to create accounts and log in securely.**
- **3.2 Quiz Management**
- **Enables quiz creation, editing, and deletion by admins.**
- **3.3 Quiz Participation**
- **Allow participants to take quizzes and view immediate results**

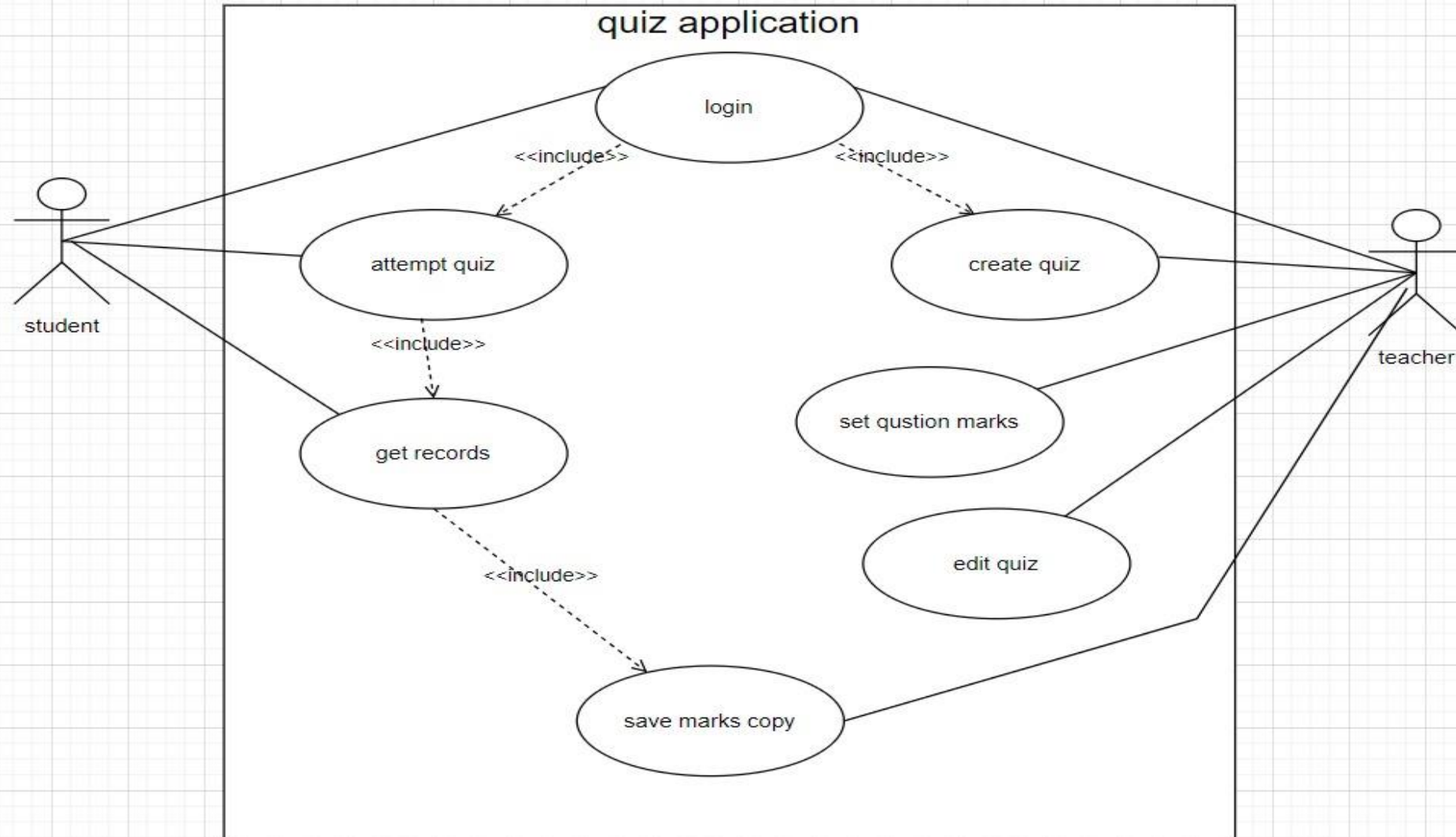
- **4. External Interfaces Requirements**
- **4.1 User Interface**
- **Intuitive and responsive interface for users to interact with the application.**
- **5. Other Non-functional Requirements**
- **5.1 Performance Requirements**
- **The application should manage concurrent user interactions efficiently.**

- **6. Other Requirements**
- **6.1 Glossary**
- **- Admin: User with privileges to create and manage quizzes.**
- **- Participants: Users who take part in quizzes.**

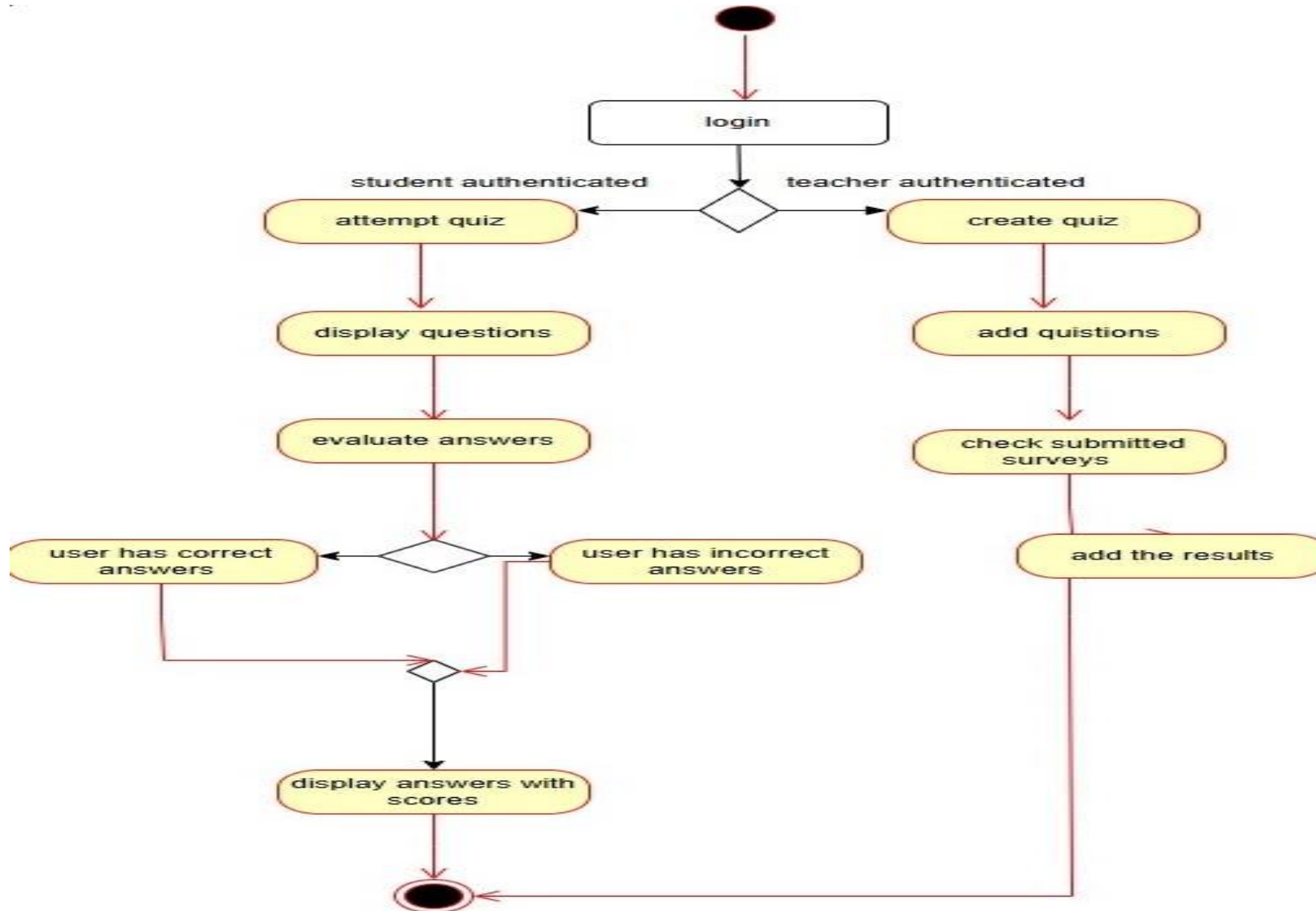
System Architecture



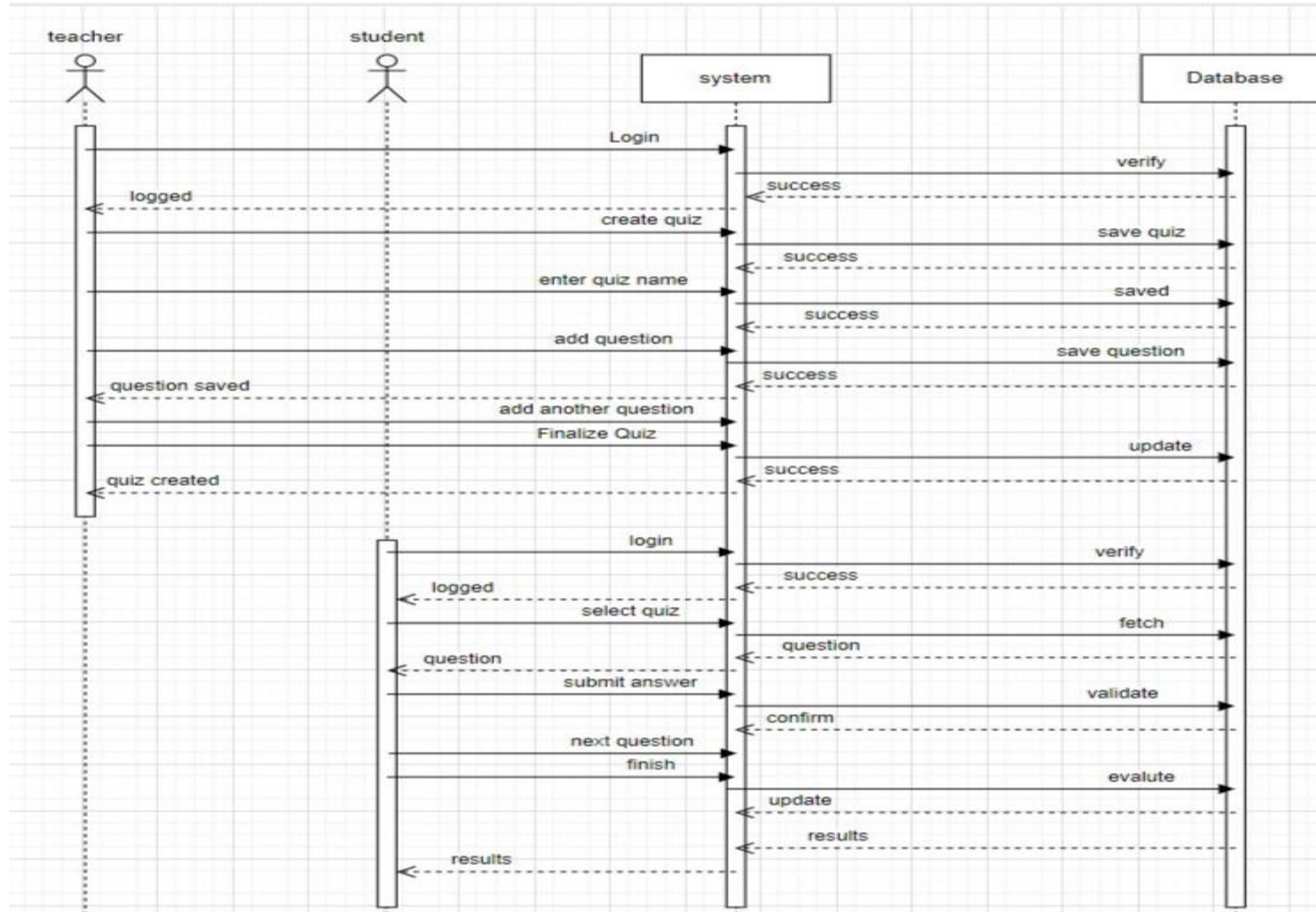
Use Case Diagram



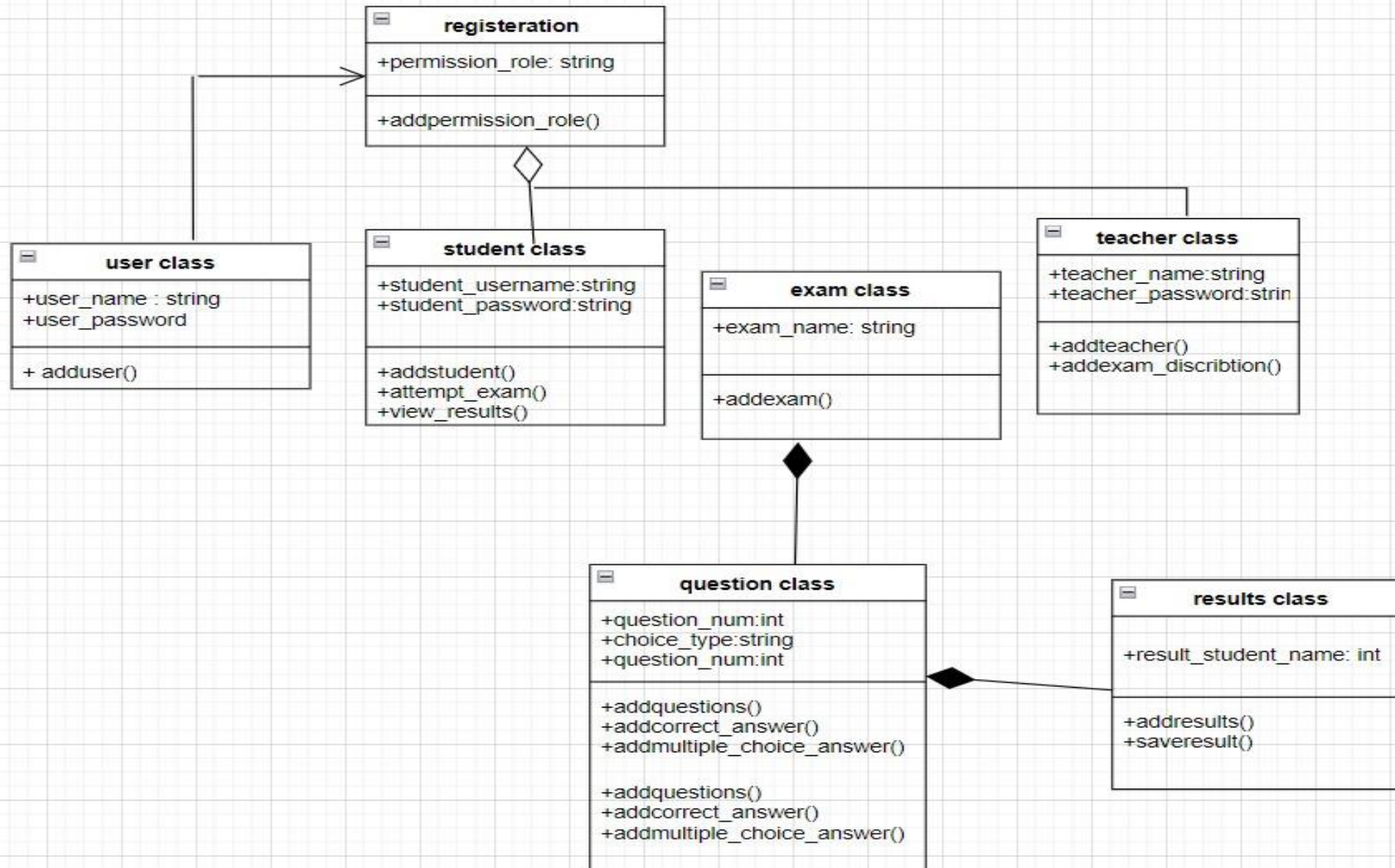
Activity Diagram



Sequence Diagram



Class Diagram



Interface

Quiz Application

Welcome to Quiz Application

Register

Login

Quiz Application

Username:

Password:

User Type:

student

Register

Username:

|

Password:


Login

Create Quiz


Logout

TEACHER


Input ✕

 Enter quiz name:


Input ✕

 Enter question:


Input ✕

 Enter option 1:


Input ✕

 Enter option 2:


Input ✕

 Enter option 3:


Input ✕

 Enter option 4:

Input ✕

 Enter correct option (1-4):

STUDENT

 Quiz Application

Available Quizzes:

math

Start Quiz

Logout

Input



Enter quiz name to take:

math

OK

Cancel

Input



5*5

1. 10

2. 15

3. 20

4. 25

Enter your choice (1-4):

4

OK

Cancel

Input



10*10

1. 50

2. 70

3. 100

4. 125

Enter your choice (1-4):

4

OK

Cancel

Quiz Results

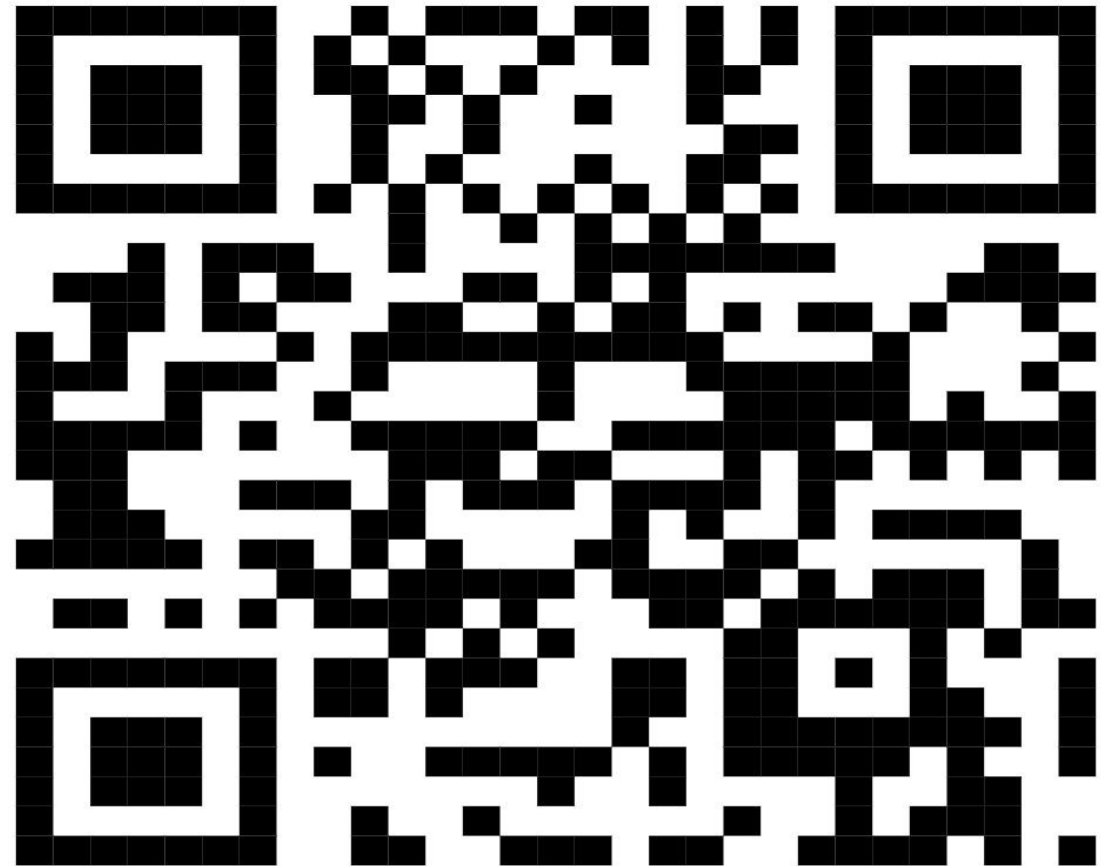


Quiz completed! Your score: 1/2

Thank you for participating!

OK

<https://github.com/kareem5T9/Quiz-App.git>



•**THANK YOU**

