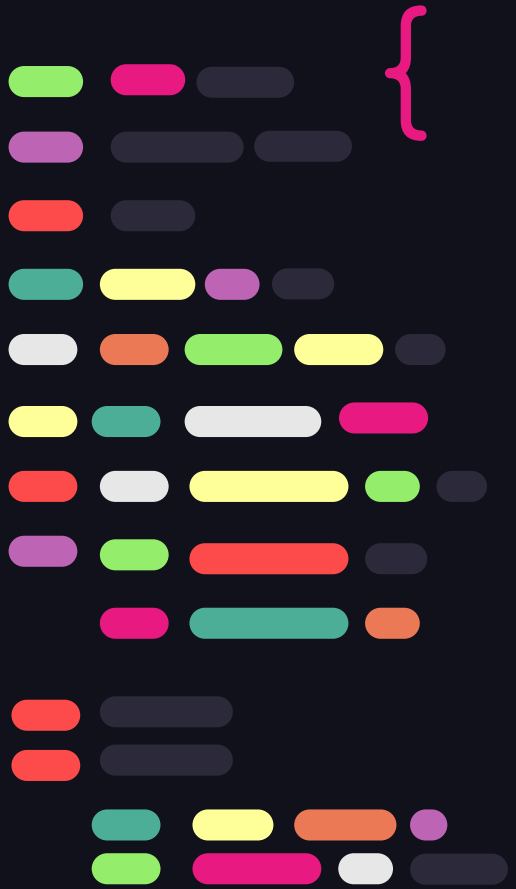
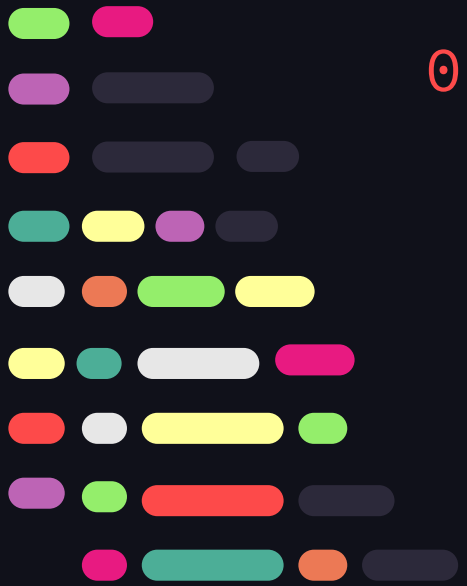


Questionnaire Exam System

By

1. **Shubham Gundekar**
   shubhamgundekar262002@gmail.com
2. **Nutan Pawar**
   nutanpawar2223@gmail.com
3. **Fouzan Sahibole**
   en20138727@git-india.edu.in

Table of contents



01 Introduction

02 Features & Functionality

03 Diagrams

04 Hardware & Software Requirements

05 Design & Implementation

06 Conclusion

01 Introduction

- E-learning platforms are promoted nowadays since they reduce the amount of manual labour required and save time.
- These platforms are simple to use for anybody with an internet connection, wherever in the globe.
- Project include assessing students' understanding of a certain subject through the use of objective type questions with choices.
- Instructor can also be aware of the ideas on which the pupils are more likely to provide incorrect responses.
- Project uses JSP by which we can access a wide variety of Java APIs, including JDBC API to access databases.

Features & Functionality

The Questionnaire Exam System is an extensive software application designed to provide a dynamic and interactive platform for conducting tests and assessments.

- **User Authentication:**

  Users can create accounts, log in, and manage their profiles. Administrators can have special privileges for creation and management of questions and answer

- **Question Creation:**

  Administrators can create question, add correct and incorrect options, specify time limits.

Features & Functionality

- **Question Types:**

  Support for various question types including multiple-choice, true/false, fill in the blanks, and essay questions.

- **Management:**

  Administrators can edit, delete,modify questions.

- **Randomization:**

  Questions and answer choices can be randomized to prevent cheating.

- **Result Summary:**

  Participants can view their results, correct answers, and their score.

Hardware & Software Requirements

Hardware

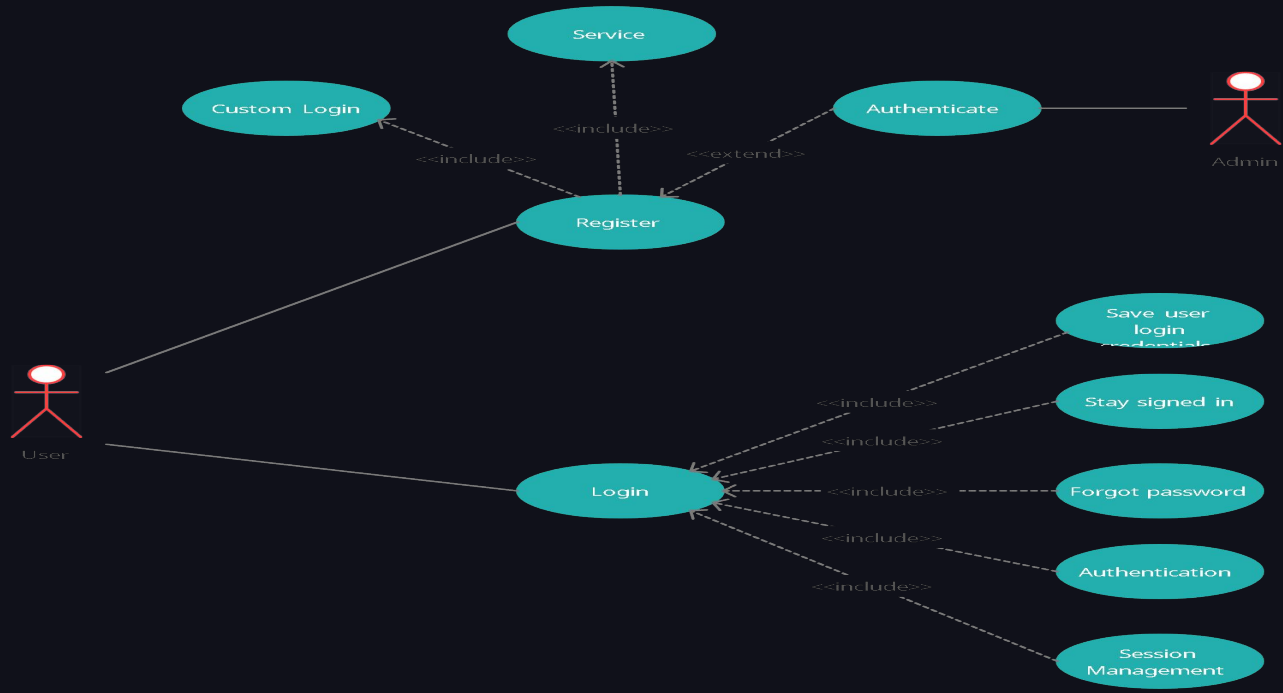
- **Processor**: x86 or x64.
- **RAM** : 512 MB (minimum), 1 GB (recommended)
- **Hard disk:** up to 300 MB of available space may be required. However, 90 MB free space is required in boot drive even if you are installing in other drive.

Software

- Java Development Kit (JDK), Java Runtime Environment (JRE) version (1.7 or 1.8) needs to be installed and configured.
- Any web servers (Apache Tomcat 9) that's supports the Java Servlet, JSP specification.
- Eclipse IDE for Enterprise developers with J2EE

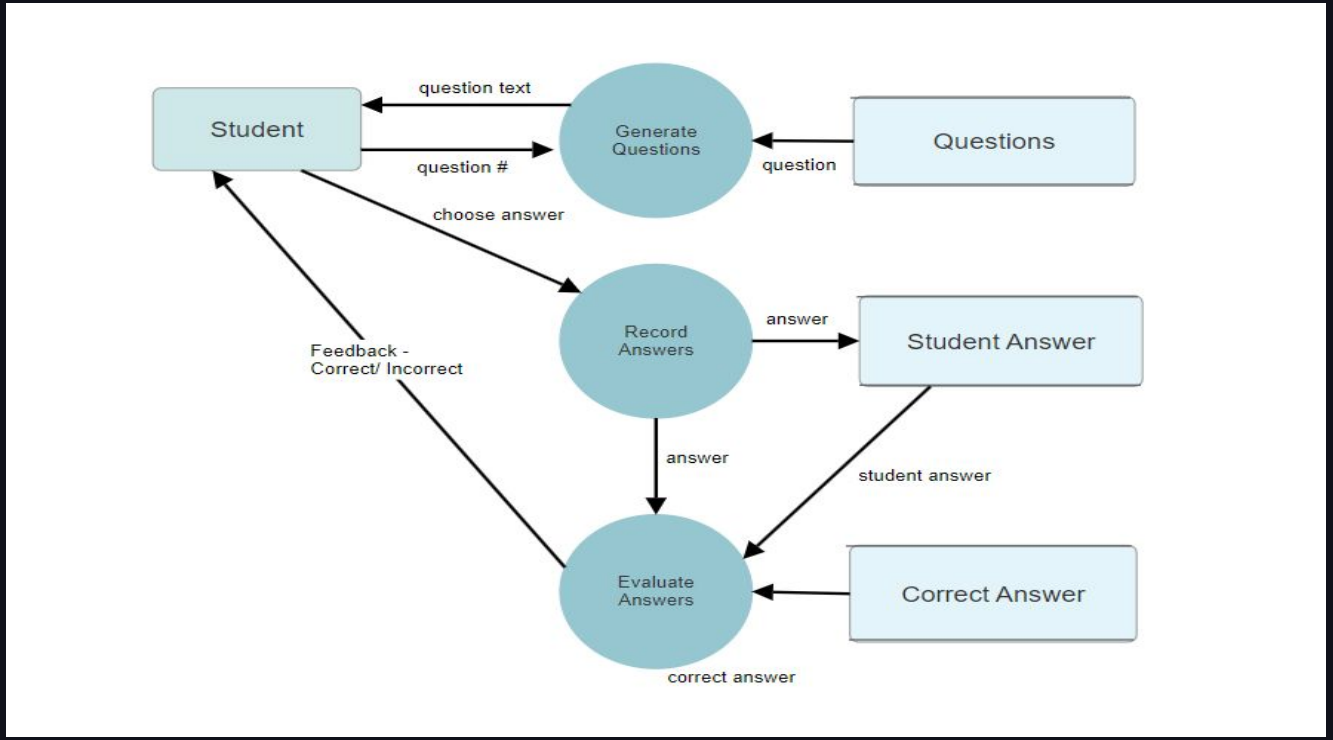
Diagrams

Login & Registration



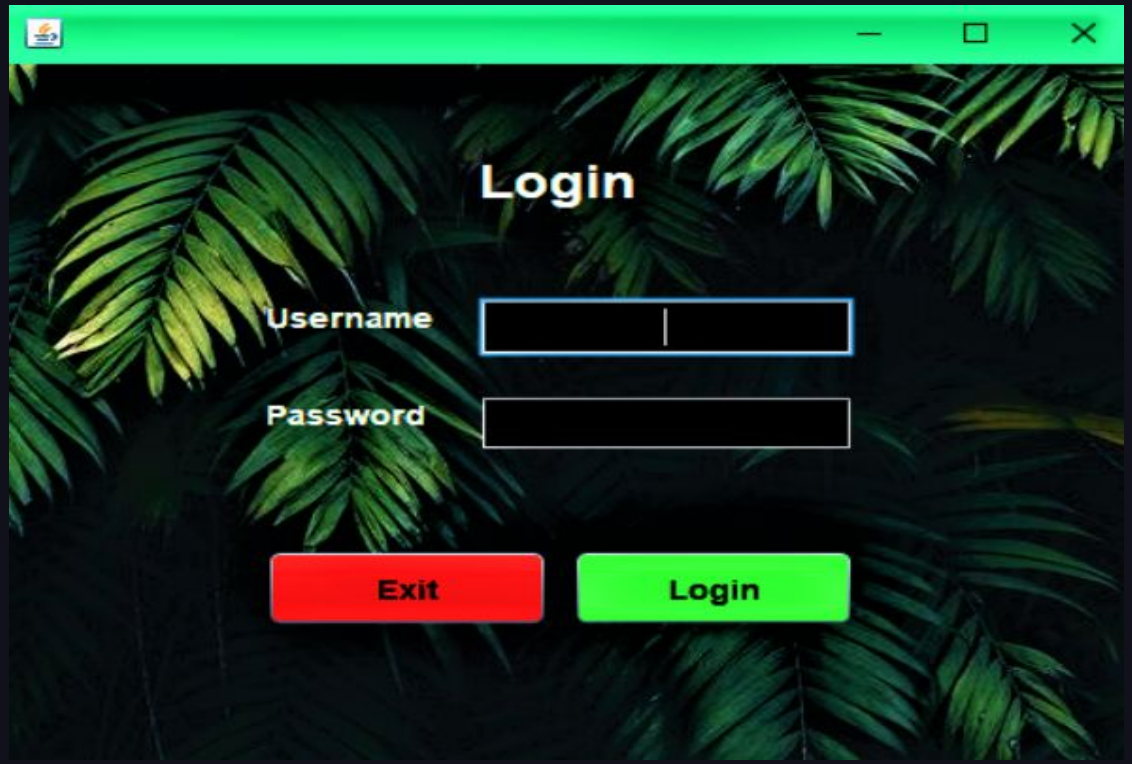
Diagrams

Dataflow Diagram



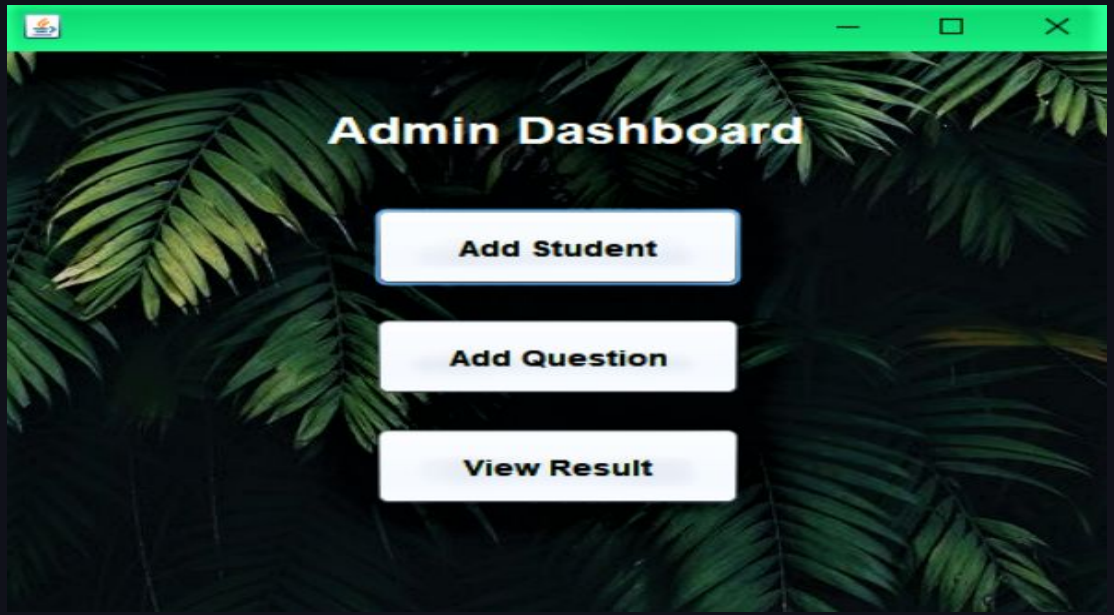
Design & Implementation

Login



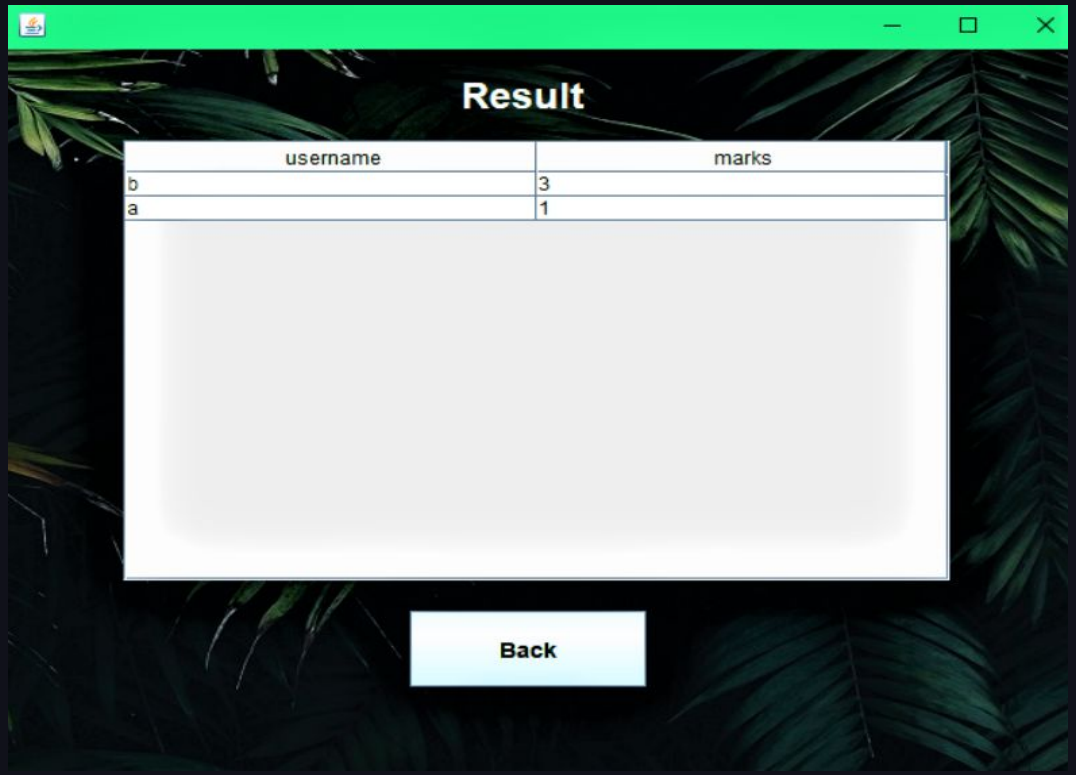
Design & Implementation

Admin Dashboard



Design & Implementation

Result



Conclusion

- Following the completion of this project, we decided that this web application meets the needs and requirements of the client and is user friendly.
- This tiny project also helped me grasp the design, coding, and implementation stages that are involved in the creation of any project. Many concepts were updated, and many were learned for the first time while developing this online application.