

Questionnaire Exam System

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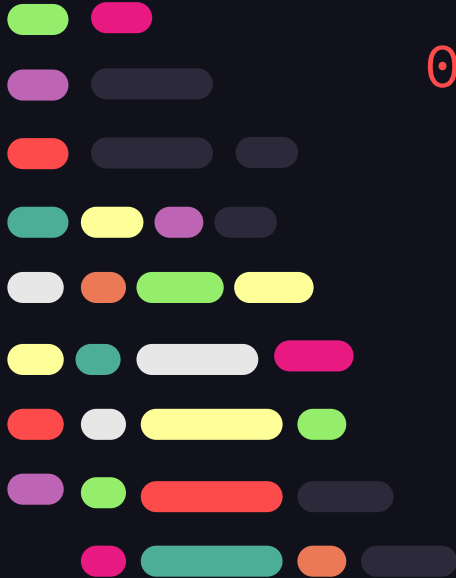
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01

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

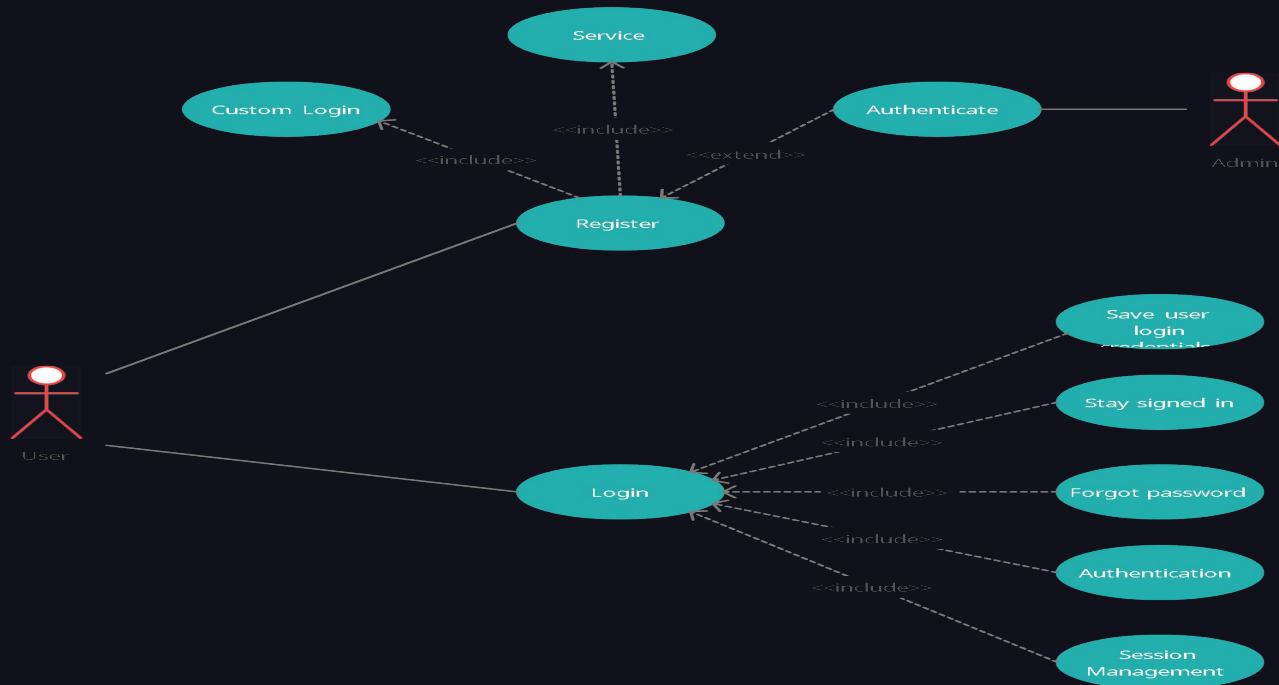
- **Processor:** x86 or x64.
- **RAM :** 512 MB (minimum), 1 GB (recommended)
- **Hard disk:** up to 300 MB of available space may be required. However, 90 MB free space is required in boot drive even if you are installing in other drive.

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

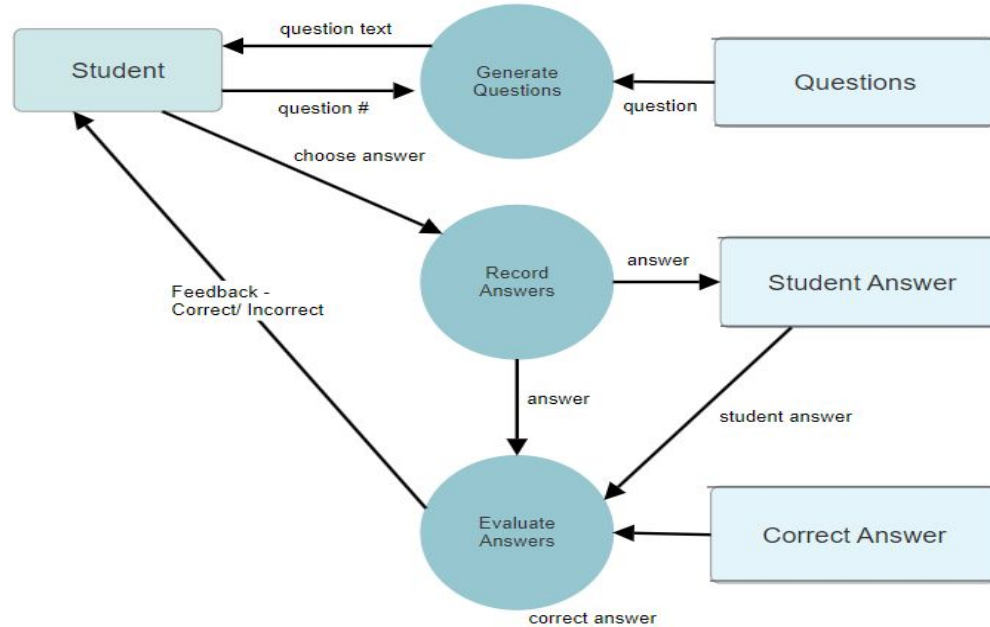
Diagrams

Login & Registration



Diagrams

Dataflow Diagram



Design & Implementation



Login

A screenshot of a login application window. The window has a blue title bar with a small icon on the left and standard minimize, maximize, and close buttons on the right. The background of the window is a dark image of green fern leaves. The word "Login" is centered at the top in a large, bold, black font. Below it, the labels "Username" and "Password" are positioned to the left of their respective input fields. The "Username" field is a white rectangle with a blue border and a blue vertical cursor line. The "Password" field is a white rectangle with a black border. At the bottom, there are two buttons: a red button with the text "Exit" in black, and a blue button with the text "Login" in white. Both buttons have rounded corners.

Login

Username

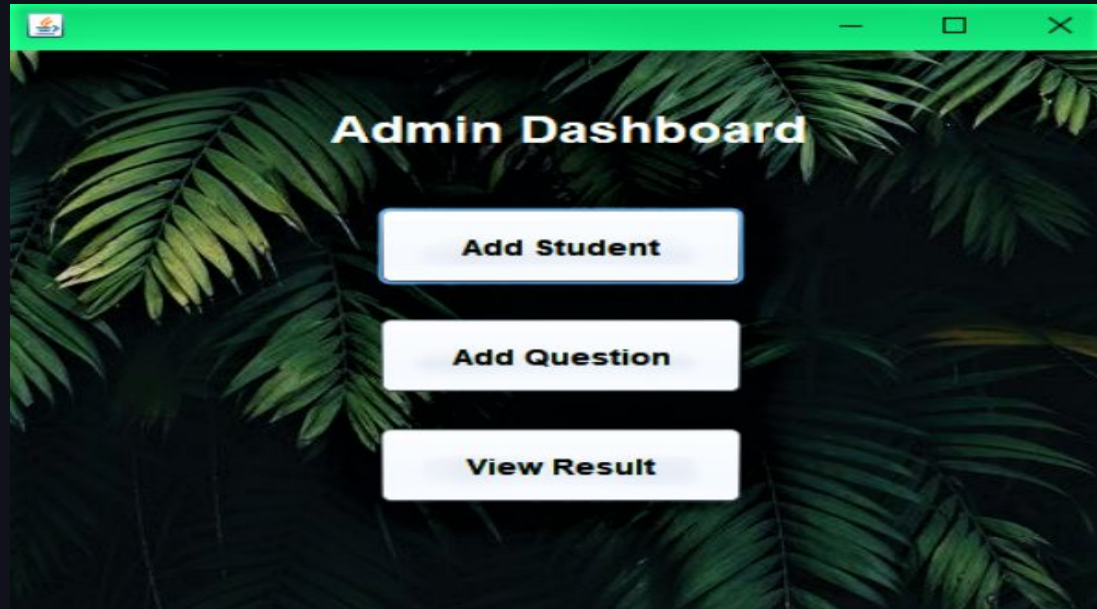
Password

Exit **Login**

Design & Implementation



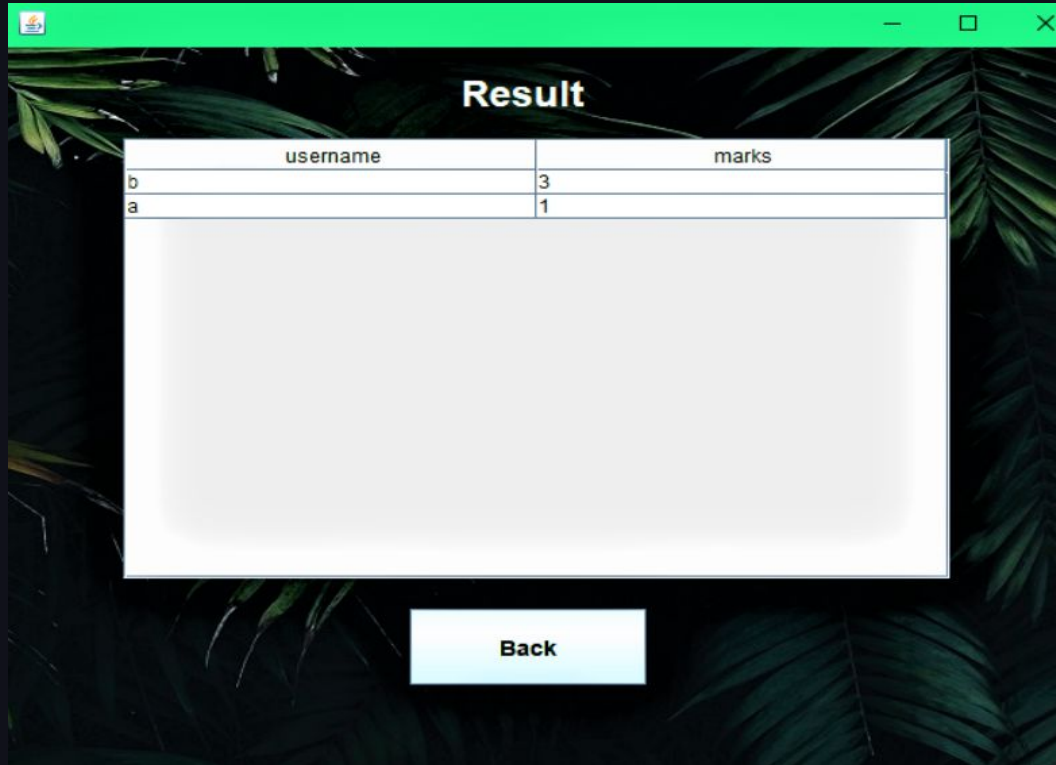
Admin Dashboard



Design & Implementation



Result



A screenshot of a Java Swing window titled "Result". The window has a green title bar and a jungle-themed background. It contains a table with two columns: "username" and "marks". The table has two rows of data: "b" with "3" and "a" with "1". Below the table is a large empty rectangular area, and at the bottom center is a "Back" button.

username	marks
b	3
a	1

Back

Conclusion

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- ◆ 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.

