

Online Quiz Portal Documentation

Introduction

The Online Quiz Portal is a web-based application that allows users to participate in quizzes, explore different quiz categories, and view their position on the leaderboard. This document provides an overview of the project, its features, and the tools required to run the application.

Project Features

The Online Quiz Portal has the following features:

2.1 Admin User

The admin user has a separate URL to access the admin portal.

Authentication is required using an admin username and password.

The admin user can update their profile information and change the password.

Questions can be added by the admin user using MySQL.

The admin user can create quizzes by selecting questions and setting a quiz name.

The admin user can view a dashboard with statistics such as total quizzes, total questions, and total users.

The admin user can see the users who have participated in a quiz and their positions on the leaderboard.

2.2 Normal User

Normal users can explore the quizzes created by the admin.

Users can create their profiles through user registration.

Users can attempt quizzes and provide answers.

The system will indicate whether the given answer is correct or not.

Users can view their positions on the leaderboard based on their quiz performance.

Tools Required

To run the Online Quiz Portal, the following tools are required:

JSP Page: Used to create the user interface for the web application.

Servlets: Handle the backend logic and communication between the client and server.

JDBC: Enables database connectivity and interaction with MySQL.

MySQL: Stores the quiz questions, user information, and leaderboard data.

Tomcat: Web server to deploy and run the web application.

Detailed Scenario

Here is a step-by-step scenario of how the Online Quiz Portal works:

4.1 Admin User

The admin adds questions and answers to the MySQL database.

The admin logs in to the admin portal using the provided URL and authenticates with the admin username and password.

Once authenticated, the admin is redirected to the dashboard.

On the dashboard, the admin can create a new quiz by providing a quiz name and selecting questions from the question set in the database.

After selecting the questions, the admin saves and publishes the quiz for users to attempt.

The admin can view the list of users who have participated in a quiz and their positions on the leaderboard.

4.2 Normal User

Users access the user portal to explore quizzes.

If the user is already registered, they can sign in to attempt any quiz.

Users can see the questions and provide their answers.

The system indicates whether the given answer is correct or not.

Once the user completes a quiz, they can view their position on the leaderboard and compare their result with other users.

Conclusion

The Online Quiz Portal is a feature-rich application that allows users to participate in quizzes, explore different quiz categories, and view their positions on the leaderboard. It provides an engaging and interactive platform for users to test their knowledge. With its admin functionalities, quizzes can be easily created and managed. This documentation provides a high-level overview of the project, its features, and the tools required to run the application.