Online Quiz Portal Application

(SRS Document)

Purpose:

This SRS document provides a comprehensive description of the software requirements for the Online Quiz Portal. It outlines the system's functionalities, features, and the expectations from the software.

Scope:

The Online Quiz Portal is a web-based application that allows two types of users, admin and participants, to engage in a quiz-taking experience. Admin users can create quizzes, manage questions, and view statistics, while participants can register, browse quizzes, take quizzes, and view their results.

Product Description:

The Online Quiz Portal is a standalone Rest API application that interacts with a MySQL database for data storage and retrieval. It will be deployed on a Tomcat server.

User Classes and Characteristic:

Admin Users: Responsible for creating and managing quizzes.

Participants: End-users who register, take quizzes, and view their results.

Admin Part:

Admin users must log in with a username and password to access the admin portal. Once authenticated, an access token is generated for admin functionality. Admin can add, edit, and delete questions.

Questions include a unique identifier, question text, and answer options.

User Part:

Participants can register by providing a username, password, email, and other required details. User accounts are stored securely in the database. Users can log in using their credentials.

Hardware Interfaces:

The system will be deployed on a standard Rest API and Tomcat server and will not require specific hardware interfaces.

Software Interfaces:

- MySQL for database.
- Eclipse Enterprise Edition as an Editor.
- Tomcat Server and Postman for deployment.

GITHUB LINK: https://github.com/dhiraj0803/JAVA-fsd