*Software Requirements Specification.*

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**1.Objective and Scope**

The objective of the Quiz App is to provide users with a platform for taking quizzes on various subjects such as quants, Java, JavaScript, Python, C, C++, etc. Users will be able to sign up, log in, and access the quiz interface where they can choose quizzes based on their interests. The scope includes implementing a user-friendly interface for quiz-taking, managing user authentication, and providing options for various quiz topics.

**2. Product End Users**

End users of the Quiz App could be individuals interested in testing their knowledge across various topics through quizzes. End users of the Quiz App include students, professionals, and anyone interested in testing their knowledge in different subjects.

**3. Features**

**3.1 Signup Page**

Users can sign up for the Quiz App by providing necessary details such as username, email, and password.

After clicking on the "Sign Up" button, users will be redirected to the login page.

**3.2 Login Page**

Registered users can log in to their accounts using their email and password.

If the entered email and password combination is incorrect, an error message "Invalid username or password" will be displayed below the login button.

QUIZZ PAGE

HOME PAGE (QUIZZ INTERFACE)

LOGIN PAGE

SIGNUP PAGE

ALREADY HAVE AN ACCOUNT?

START

NO

YES

**FLOW CHART OF QUIZZ APP**

**3.3 Home Page (Quiz Interface)**

Upon successful login, users will be directed to the home page, which serves as the quiz interface.

The home page will display various quiz options such as quants, Java, JavaScript, Python, C, C++, etc.

**3.4 Quiz Selection**

Users can select a quiz topic from the home page to proceed to the quiz page.

Quiz topics will be categorized for easy navigation.

**3.5 Quiz Page**

The quiz page will contain questions related to the selected topic.

Users can answer the questions and proceed to the next question.

Users can return to the home page (Quiz interface) or log out from the quiz page. Options for navigating between quiz page and home page (Quiz interface) is given at the top right of quiz page.

Quiz Data

Users

Question : String

A : String

B : String

C : String

D : String

Username : String

Password : String

**Entity-Relationship (ER) Diagram.**

**3.6 Logout**

Users can log out from their accounts, which will redirect them to the login page.

**3.7 Non-Functional Requirements**

The user interface must be intuitive and user-friendly, allowing users to navigate through the app seamlessly. Clear and concise error messages should be displayed, such as "Invalid username or password" upon incorrect login attempts, enhancing user experience. User data and login credentials will be securely stored and transmitted.

The Quiz App must be compatible with various devices and screen sizes to accommodate a wide range of users. Whether accessed from a desktop computer, laptop, tablet, or smartphone, the app should adapt its layout and functionality accordingly, ensuring consistent usability across different platforms.

**3.8 Reporting**

The Quiz App will not include reporting functionalities as it primarily focuses on quiz-taking and user engagement.