Lab Work - 1

Prepare an SRS document in line with the IEEE recommended standards for the specified case study (Functional Requirements)

Introduction

1.1 Purpose

The purpose of the SRS document is to outline the detailed requirements, functionalities and specifications of the "Online Quiz Application System"

1.2 Scope

The application is a web-based and accessible on any device with a web browser, that will provide users with an engaging and educational experience.

1.3 References

There is no external reference to any other document in this SRS document.

1.4 Overview

Online Quiz Application typically has an user interface that allows users to browse through a list of quizzes, select a quiz to take and answer the questions.

2. Overview

2.1 Product Perspective

The perspective of "Online Quiz Application" is to provide users with an engaging and educational experience through a variety of quizzes on different topics. It has the purpose of en chanced learning, skill development, self Assessment and employee traning

2.2 Product Benefits

The product has the following benefits.

  a. Convenience
  b. Flexibility
  c. Engagement
  d. Feedback
  e. Assessment

2.3 Product features

The application will have the following features

- **Admins** : Users will be able to create an account in order to add teachers & students

- **Teacher** : Teacher panel will be able to create their own quizzes
(Quiz creation)

- **Quiz Taking** : The students will be able to take quizzes

- **Quiz Categories** : The application allow the teachers to add and students to take various quizzes

2.4 Product Working

The simple overview of how an quiz application might work

- The user logs into the application either as admin, teacher, or student
- If an admin, either adds a course or register a teacher
- If a teacher, either adds a student or adds a catgory or adds questions
- If a student, takes quizzes and analyses performance

3. System Requirements

3.1 Functional Requirements

- **User Accounts** : Users should be able to create and manage their own accounts. Includes ability to set username & password

- Quiz Creation : Users should be able to create their own quizzes, who are teachers. Includes ability to add questions, choose the type of questions & add categories.

- Quiz taking : Users (students) should be able to take quizzes that have been created by teachers

- Scoring : The application automatically scores quizzes and provide teacher & student with the results

- Quiz categories : The application allow users to add various categories. of quizzes.

4. Use Cases.

The application can be used in any school or college for taking and creating quizzes. The intended users of the application can be

- Administrators
- Students
- Teachers .

5. Conclusion

The SRS document has specified the requirements (functional) for an online quiz application. It is a convenient, flexible, engaging, user friendly application.