Lab Work - 2

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

1. Introduction

1.1 Purpose

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

1.2 Scope

The application is web based and accessible on all devices through 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

The 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. Description

2.1 Product Perspective

The perspective of online quiz application is to provide users an engaging and educational experience through a variety of quizes on different topics. It serves the purpose of enchanced 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

- Quiz Creation: Teacher panel will be able to create their own quizzes.

- Quiz Taking: The students will be able to take 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 an teacher, either adds a student or adds a category

- If a student, takes quizzes and analyses performance

3. System Requirements.

3.1 Non Functional Requirements

The system shall meet the following non-functional requirements.

3.1.1 Performance

The application should be able to handle a large number and quizzes without any performance issues.

3.1.2 Scalability

The application should be able to scale to accomodate a growing number of users

3.1.3 Security

The application should be secure and protect data from unauthorized access

3.1.4 Reliability

The application should be reliable and available to users when they need it.

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 specifies has the non-functional requirements for an online quiz application. It is a convenient, flexible, engaging and user-friendly application.