



# Tech Saksham

## Final Project Report

# FULL STACK WEB DEVELOPMENT

## “QUIZ APPLICATION”

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## **ABSTRACT**

The main objective of "Quiz Application" is to facilitate a user friendly environment for all users and reduces the manual effort. In past days quiz is conducted manually but in further resolution of the technology we are able to generate the score and pose the queries automatically. This quiz app is a collection of number of quizzes based on different computer science related subjects. User can access all of the quiz. After the selection of subject it will display the quiz which is having few questions with four options. User will get a credit score for each correct answer. No negative marks for wrong answers. Each Question was allotted for 40sec. If the time exceeds question will skip to next one. User can check the option whether its correct or not right after choosing the option. After submission of quiz user will get score. User can quit the quiz at any time. Host can add questions into quiz from front end, then it stores into database. Users can see their results on scorecard according to their firstnames. This app is user friendly quiz which includes number of subjects, quizzes to related subjects, correct answers, immediate score and scorecard. By this application the user will come to know about their level of knowledge and can learn additional knowledge.

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# **CHAPTER 1**

## **INTRODUCTION**

This is a simply and beautify android quiz application. The android quiz applications test your knowledge and understanding in different areas. After each quiz, the user will see the final score

### **OVERVIEW:**

- We Have designed this app with the purpose of allowing software interested students to give exams and view their results.
- This app is an attempt to remove the existing flaws in the manual system of conducting exams.
- Students are provided the flexibility to choose among different types of computer science related subjects.
- Users will get their individual ranks on score card which helps to improve competitiveness

### **PURPOSE:**

This document provides a base to all the functionalities which should be carried out by the application, how that works the outputs available to the end user.

### **MOTIVATION:**

Currently most of the Examination like organizational recruitment, University class test are paper based, which costs time and resources. Questionnaire is developed, printed, and then collect data, entry, editing, cleaning, which time consuming and costly. Proposed application is the starting for avoid those circumstances which are been currently faced by any organization.

## **CHAPTER 2**

### **SERVICES AND TOOLS REQUIRED**

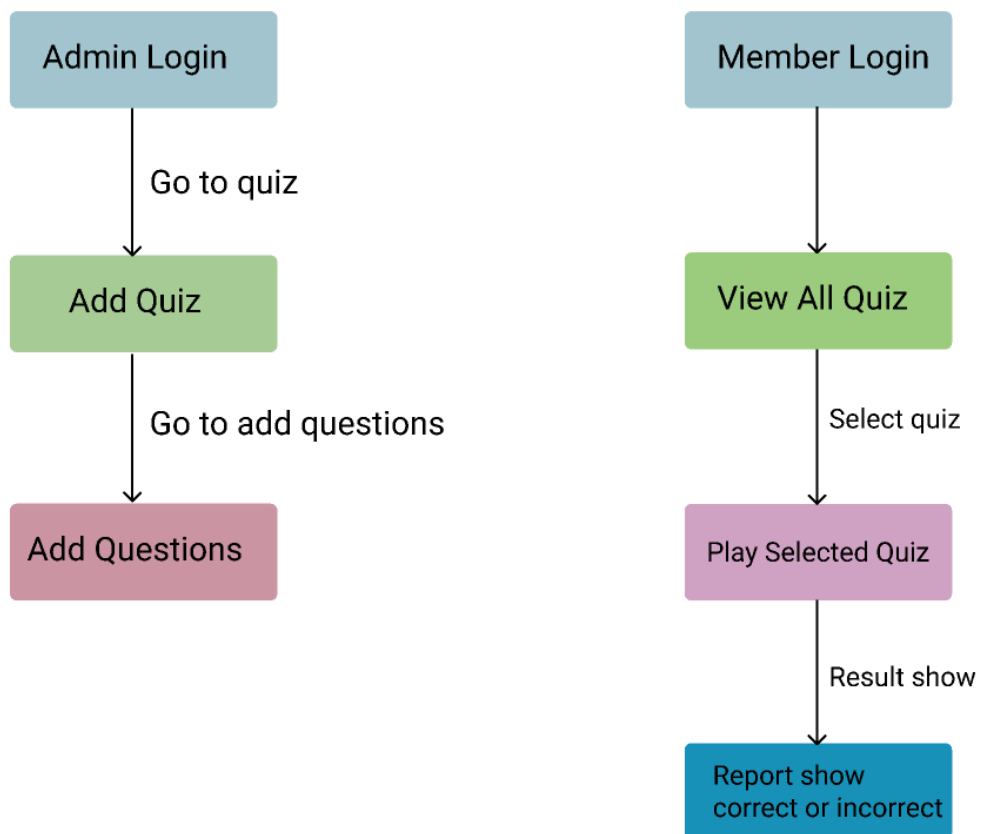
**Front End:** React, HTML, CSS, Javascript

**Back End:** PHP, SQL

**Database Server:** XAMPP server, MySql

## CHAPTER 3

### PROJECT ARCHITECTURE



## CHAPTER 4

### Description:

**LOGIN/SIGNUP:** The login page in a React web quiz app serves as the entry point for users to access the quiz. Its main role is to provide a secure and convenient way for users to log in to the quiz and start taking it.

Here are some of the key functions that a login page in a our React web quiz app can perform:

**User authentication:** The login page verifies the user's identity by checking their login credentials, such as their username and password. This ensures that only authorized users can access the quiz.

**Session management:** The login page establishes a session for the user and keeps track of their login status as they navigate the quiz. This allows the quiz to keep track of the user's progress and provide a personalized experience.

**Access control:** The login page can be used to restrict access to different parts of the quiz, such as limiting access to certain sections to logged-in users only.

**User management:** The login page can provide a way for users to create new accounts or reset their password, making it easier for them to access the quiz.

**Error handling:** The login page can provide error handling for invalid login credentials, incorrect password resets, or other errors that may occur during the login process.

In summary, the role of the login page in a React web quiz app is to provide a secure, convenient, and user-friendly way for users to access the quiz, manage their sessions, and control access to different parts of the quiz

**HOME PAGE:** The home page of a React web quiz app should be designed to be visually appealing, easy to navigate, and clearly communicate the purpose of the quiz to the user. These are some features for designing the home page of our React web quiz app:

**Simple and clean design:** The home page should have a simple and clean design that is easy on the eyes and does not distract from the purpose of the quiz.

**Clear and concise messaging:** The home page should clearly communicate the purpose of the quiz, what users can expect to gain from taking it, and what they need to do to get started.

**Call to action:** The home page should include a prominent call to action, such as a button or link, that encourages users to start taking the quiz.

**Navigation:** The home page should provide clear and intuitive navigation to other parts of the quiz, such as the login page, the quiz questions, and the results page.

## **SUBJECT:**

We have inserted computer science subjects from 1<sup>st</sup> semester to 6<sup>th</sup> semester which are present in our curriculum. It will guide students how to learn in an order.

After user entered their login credential they were directed to home page where dashboard will be appeared then user can see all the subjects which we have inserted in our app.

Here user can easily switch from one subject to another subject at any time of quiz. User can access all the quizzes there is no restrictions for it. Host can add individual subject's questions from front end which will be directly stored into respective databases. Then quiz will be formed including new questions which were inserted by host.

## **PLAYQUIZ:**

Here are some of the essential features we have included:

**Questions and answers:** The core feature of any quiz is the questions and answers. Ensure that our questions are well-written, clear, and relevant to the



subject being quizzed. correct answer will be displayed right after clicking on wrong option.

**Multiple choice format:** Most quizzes are in multiple choice format, where users are given several options to choose from. This makes it easier for users to understand and respond to the questions.

**Timer:** A timer can be an important feature for quizzes that need to be completed within a certain time frame. We can set a time limit for the entire quiz or for each question.

**Quit:** This option in our app will help to user to come out of quiz at any time. Right after clicking on quit user score will be displayed on screen. Then user can know how many he was answered in that how many of those are correct.

**Score:** Display the user's score as a number of correct answers out of the total number of questions. Finally user's individual score card will be displayed along with their respective names. This gives the user an overall understanding of their performance on the quiz.

## **CHAPTER -5**

### **CONCLUSION**

The Key concept of this online quiz app is to minimize the amount of paper and convert the forms of documentation into digital form. This app made user learn more about particular subject for which he scored low marks. Then user can learn additional knowledge regarding that.

A summary of the key features and functionalities of the app, such as the ability to take quizzes on various computer science topics, view results.

An assessment of the user experience and how it contributes to the overall learning process. For example, the app could be user-friendly, engaging, and interactive, making it easier for users to learn and retain information.

A discussion of how the app aligns with the goals of computer science education and how it can be used to supplement traditional learning methods. For example, the app could be used as a tool for self-study, preparation for exams, or for ongoing professional development.

An evaluation of the app's impact on the field of computer science and the potential for future development. A recognition of the value of the app as a resource for those interested in computer science and a call to action for users to share their experiences. Ultimately, a good conclusion should provide an overview of the key points and provide a sense of closure while encouraging further engagement with the app and the subject matter.

## **CHAPTER-6**

### **CODE**

Quiz Application code: <https://github.com/DuppatlaHaritha/Quiz-Application.git>