

# **Quiz-Web-App**

## **MINI PROJECT – I**

### **SYNOPSIS**



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# Acknowledgement

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# Abstract

“Quiz Application” is a collection of number of different types of quizzes like technical, games, sports, etc. A user can access/play all of the quiz and can attempt any of the one. There will be limited number of questions and for each correct answer user will get a credit score. User can see answers as well as can ask a query related to it. There are many quiz applications available currently on internet. But there are few Which provide better understanding between users and the application like, providing proper answers, user query solving, uploading user questions as well as answer to it, etc. To develop a user friendly quiz application which will contain : Numbers of quiz , Answers to every question, Query solving regarding any question, Uploading of user question and answer , and to improve the knowledge level of users. To develop a application which will contain solution to the above problems. By this application the user will come to know about his/her level and can learn additional knowledge. Also by this application a user can expand his/her knowledge among the world.

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# Introduction

This web application provides facility to Play online quiz and practice questions. It provides a good platform, where a student not only judges there knowledge/skill but also they can improve knowledge/skill at the same time. Scope The Scope of this project is very broad in terms of gaining knowledge and sharing knowledge among world. Few points are can be used anywhere any time as it is a web based application. This application will be used in educational institutions as well as in corporate world.

Problem Definition “Our aim is to develop a application for the users in which a user can attempt any number of quiz related to his/her choice.” Firstly, we have to make interfaces for Home Page, Registration, Login Page, Questions Attempting forum, Result Page, & Profile of user. These all pages have connectivity with the server and database. So, that it can work properly. Currently, there are websites which only provide limited number of quizzes related to different domain. Many websites do not have a single platform for quizzes related to technical, G.K, Aptitude, Games, etc. And there is not a website where the users can upload his/her questions and answers for the others. We have to develop a application which can resolve all of the above problems.

## **SOFTWARE AND HARDWARE REQUIREMENTS**

- Atom
- VsCode
- Google Chrome Browser

## **PROJECT DESCRIPTION**

The main requirement of application is to find questions and answers. In this application firstly the user need to register or login using user-id and password. Then the user can start the quiz of his/her choice. After it user can start attaining the quiz. Here user can see his/her answers are right or wrong and can also see the answer of each. If there is any query related to it user can ask it. After completion of the quiz user will get credit score for each of its correct answers. Initially the questions are given by the admin but after sometime the user itself can submit questions and its answers. After verification by the admin the questions are shown on the window. The query related to a question can we solved by admin as well as the users of this application. This application initially contain admit and some higher prior user which can submit question and answers. The user profile will contain its name, age, qualification, gender, mobile number, credit score, etc. This application will provide link to additional useful website for learning purpose.

1. Login and Logout System – The user needs to register on the website and then (s)he can give the test.
2. Save high scores in Local Storage.
3. Dynamically generate HTML in JavaScript.
4. Fetch trivia questions from Open Trivia DB API.
5. The test Results will be provided as soon as the user completes the test.
6. Each subject is allotted a duration of 5 minutes for solving around 10 questions.
7. If the user doesn't submit the test at the end of 5 minutes, the test will be automatically submitted to the database.
8. The user has complete access over his/her account. They can access their account by logging into it again and see their improvement by giving the test again.
9. The order of question changes for different users.

## **Working**

The user has to register to the website then the user can start the quiz of his/her choice. The questions that are shown on the user screen are fetch from Open Trivia DB API. After attempting the question once the user cannot go back to the previous question, for each correct answer in the ques the user can gain point and for the wrong answers their is no point and all the scores of the user is save in local storage.

The user can attempt number of quizzes as per his/her choice to check their knowledge and improvement. The user can login/logout the website anytime.

## **Implementation**

Java script is a scripting language used to enhance the functionality of the browser. Java script is integrated with HTML and navigator 2.02.

Java script facilitates the developer with properties related to document windows, frames, loaded documents and link. The Trivia API provides random trivia from a database containing hundreds of thousands questions and answers about science, literature, philosophy and other fascinating topics. The Open Trivia Database is a free, user contributed trivia database. The Open Trivia Database API offers a specified number of trivia questions via category, difficulty, type, encoding.

## **References;**

### **Books:**

- Web Design With HTML, CSS, JavaScript, and jQuery Set
- Learn to Code HTML & CSS by **Shay Howe**
- Eloquent JavaScript by Marijn **Haverbeke**
- **Websites:**
- [www.geeksforgeeks.com](http://www.geeksforgeeks.com)
- [www.google.com](http://www.google.com)
- [www.w3schools.com](http://www.w3schools.com)
- [www.slideshare.net.com](http://www.slideshare.net.com)



**Faculty Guidelines:**

Mr. Bhanu Kapoor  
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**GitHub Repository link:**

[https://github.com/Shashankch14/Quiz\\_Web\\_App](https://github.com/Shashankch14/Quiz_Web_App)