A Mini Project Synopsis on

Quiz Game(Tech Quiz)

S.E. - I.T Engineering

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CERTIFICATE

This to certify that the Mini Project report on Quiz Game has been submitted by

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Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial

fulfillment of the requirement for the degree in **Information Technology**, during the

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ACKNOWLEDGEMENT

1. Introduction

Tech Quiz is a quiz game developed using the Python programming language. The game allows users to choose a topic from a range of quizzes, and each quiz is time-limited. The quizzes consist of multiple-choice questions, and the user's results are displayed along with the correct answers. In order to attempt a quiz, users must first register and log in. Additionally, there is an admin interface that allows an admin user to add or delete quizzes and questions, view user scores, and delete user scores.

1.1.   Purpose :

The purpose of Tech Quiz is to provide an interactive and educational platform for users to test their knowledge in various technology-related fields.

1.2.   Objectives :

❖   To provide users with an engaging and interactive quiz experience

❖   To improve users' knowledge in various technology-related fields

❖   To allow users to track their progress and see their scores over time

❖   To provide an admin interface for managing quizzes, questions, and user scores.

1.3.   Scope :

❖   Tech Quiz is designed to be used by anyone who wants to test their knowledge in various technology-related fields.

❖   The game can be played on any device without an internet connection.

2. Problem

2.1.   Problem Defination :

The problem that Tech Quiz aims to address is the lack of engaging and interactive platforms for users to test their knowledge in various technology-related fields. Many existing quiz games are either too simplistic or too complex, and they do not offer users a range of topics to choose from. Additionally, many quiz games do not allow users to track their progress over time or provide an admin interface for managing quizzes and user scores.

2.2.   Problem Solution :

Make Quiz Game entirely made for Technical Quizzes so that the users interested in Technical knowledge can learn.
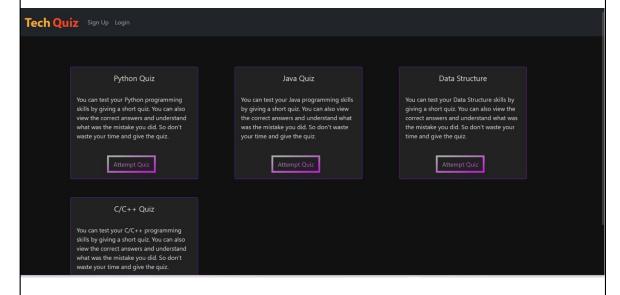
3. Proposed System

Tech Quiz which is a web-based quiz game provide different quizzes on different topics.

The admin can add/delete questions or quizzes to keep users up-to-date with new technology.

3.1. Features and Functionality

User registration and log-in

Quiz selection screen with a range of topics to choose from

Timer for each quiz

Multiple-choice questions with four options to choose from

Results screen showing the user's score and the correct answers to each question

Admin interface for managing quizzes and user scores, including the ability to add or delete quizzes and questions, view user scores, and delete user scores.

4. Project Outcomes

A fully functional quiz game that provides users with an engaging and interactive experience

An admin interface that allows for easy management of quizzes and user scores

A platform for users to test their knowledge in various technology-related fields and improve their understanding of these topics.
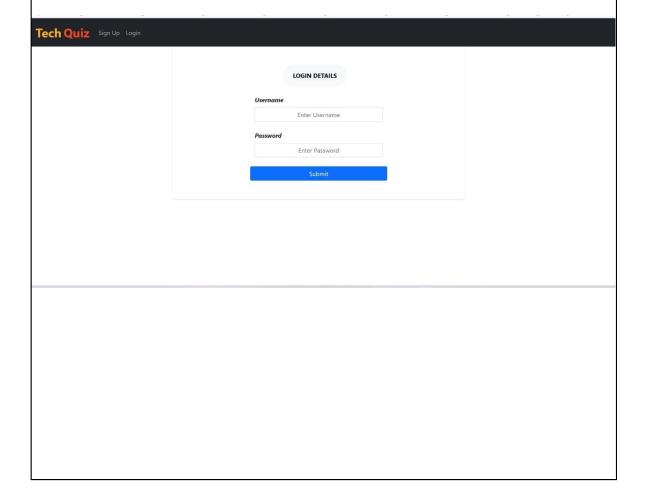
5. Software Requirement

- Python3

- Django

- SQLite

- Html

- Csss

- Javascript

5.1 Hardware Requirements

- Processor - Intel 8 cores

- Ram - 4 Gb

- Processor Speed - 2 Ghz
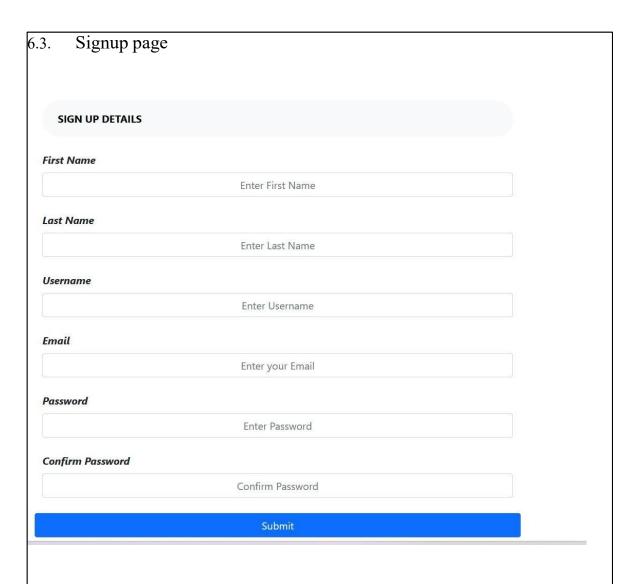
- Android phone (Having Version Above or 2.3)
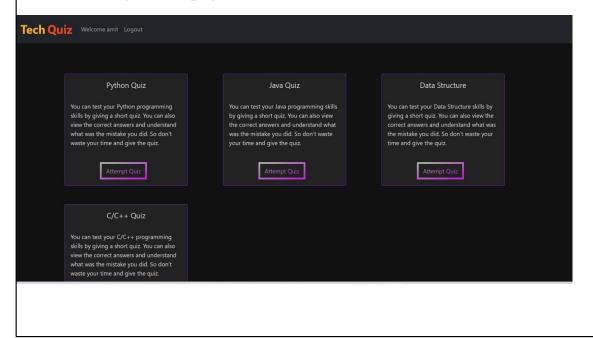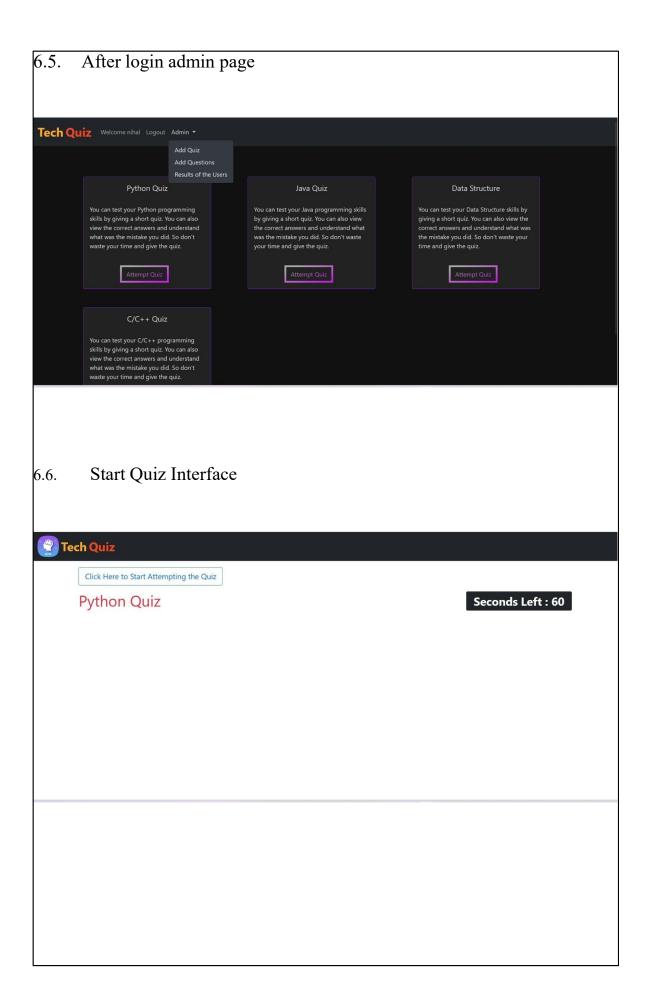
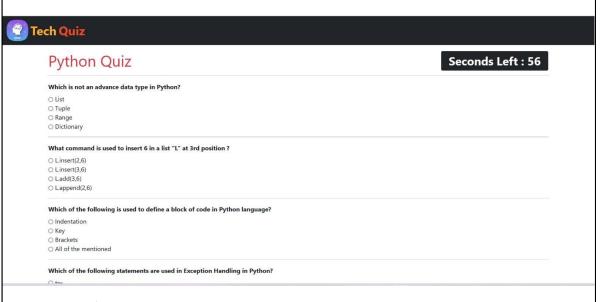# 6. Project Design

6.1.   Home Page

6.2.   Login Page

6.3. Signup page

SIGN UP DETAILS

First Name

Enter First Name

Last Name

Enter Last Name

Username

Enter Username

Email

Enter your Email

Password

Enter Password

Confirm Password

Confirm Password

Submit

6.4. After login User page

Tech Quiz   Welcome amit   Logout

Python Quiz

You can test your Python programming skills by giving a short quiz. You can also view the correct answers and understand what was the mistake you did. So don't waste your time and give the quiz.

Attempt Quiz

Java Quiz

You can test your Java programming skills by giving a short quiz. You can also view the correct answers and understand what was the mistake you did. So don't waste your time and give the quiz.

Attempt Quiz

Data Structure

You can test your Data Structure skills by giving a short quiz. You can also view the correct answers and understand what was the mistake you did. So don't waste your time and give the quiz.

Attempt Quiz

C/C++ Quiz

You can test your C/C++ programming skills by giving a short quiz. You can also view the correct answers and understand what was the mistake you did. So don't waste your time and give the quiz.

6.5.   After login admin page

6.6.   Start Quiz Interface
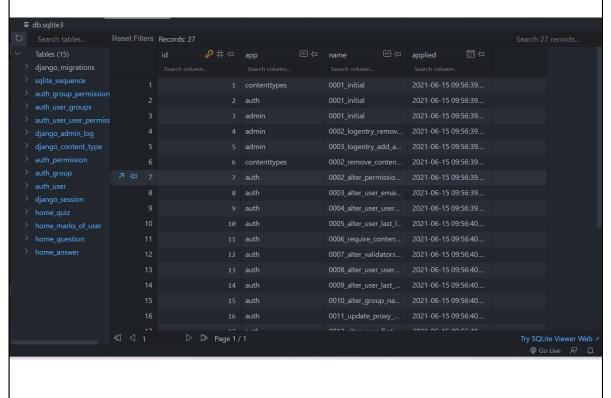
6.7. Quiz Questions Interface

6.8. Database

7. Project Scheduling

Sr. No	Group Member	Time duration	Work to be done
1.	Yash Patil Amitesh S Yadav Nihal Singh	In the month of January.	Creating GUI using html css and javascript
2.		In the month of February.	Adding more features like Quiz's and Timer.
3.		In the month of March and April.	Adding data sets and final completion of project.

8. Conclusion

Tech Quiz is a Python-based quiz game that offers users the opportunity to test their knowledge on various technology topics. Its user-friendly interface and engaging gameplay make it a valuable tool for education and entertainment. Future development could include additional quiz topics and more complex question types. To conclude, this is a simple Online MCQ Quiz which able a teacher to punch MCQ question to system which will be store in SQLite Server database and able the student to attempt any test for once. The marks of student will be calculated according to questions they attempt and will be displayed by the system to teachers and student.

9. References

1. http://www.javaworld.com/javaworld/jw-01-1998/jw-01-credentialreveiw.html

2. http://jdbc-tutorial.com

3. https://www.tutorialspoint.com/java

4. http://www.javapoint.com/java-tutorial

5. https://docs.oracle.com/javase/tutorial