

Project Report: Quiz Battleground

Name

Hitesh Kumar S

GitHub Link

<https://github.com/HiteshKumarS59/CODTECH-FRONT-END-TASKS/tree/main>

Email

ss9823000@gmail.com

Overview

This project is a quiz application designed to provide an interactive platform for users to test their knowledge through a series of multiple-choice questions. The application features real-time scoring, a timer, and a dynamic results page with motivational messages based on performance.

Project Files

1. **index.html**: Structures the landing page, quiz interface, and results page:

- A landing page to select quiz length and start the quiz.
- A quiz page displaying questions and tracking scores.
- A results page summarizing user performance.

2. **script.js**: Powers the application logic:

- Fetches questions dynamically from an API.
- Handles quiz interactions and the timer.
- Displays results and motivational messages.

3. **goodbye.html**: Displays a farewell message when the user exits.

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Features

- **Dynamic Question Fetching**: Questions are fetched from an external API.
- **Real-Time Timer**: Tracks time for each quiz.
- **Score Tracking**: Displays real-time scores.
- **Responsive Design**: Works across devices.
- **Motivational Results Page**: Includes tailored messages and animations.
- **Interactive Options**: Allows selecting quiz lengths.
- **Exit Functionality**: Redirects to a goodbye page.
- **Error Handling**: Alerts on issues with fetching questions.

Technologies Used

- **HTML**: Structuring the application.
- **CSS**: Styling and enhancing user experience.
- **JavaScript**: Application logic and interactivity.

How to Run

1. Clone the repository from GitHub.
2. Open `index.html` in a browser.
3. Follow the prompts to start the quiz.

Future Improvements

- Add user authentication.
- Include more question categories.
- Enhance the design with animations.
- Integrate a database for user data.
- Implement a leaderboard.
- Add multi-language support.