Project Title	Interactive Quiz
Technologies	HTML, CSS, JavaScript
Project Difficulties level	Hard

Project Description:

Objective: In this project, you will design and implement an interactive quiz using HTML, CSS, and JavaScript. The goal is to create a user-friendly quiz application that allows participants to answer multiple-choice questions and receive their scores at the end. This project will help you practice front-end web development skills and enhance your understanding of interactive web applications.

Project Requirements:

HTML Structure: Create an HTML structure for the quiz. This should include the following components:

- A title for the quiz.

- Multiple questions, each with a set of answer choices (at least 5 questions).

- Radio buttons for selecting answers.

- A "Submit" button to submit the answers.

CSS Styling: Apply CSS styles to make the quiz visually appealing and user-friendly. You should consider the following aspects:

- Proper layout and spacing for questions and answer choices.

- Visual feedback for selected answers.

- Stylish fonts and colors to enhance the user experience.

JavaScript Functionality:

- Implement JavaScript functions to track and validate user answers.

- Calculate and display the user's score based on the correct answers.

- Provide feedback to the user on their performance (e.g., "You scored 4 out of 5 questions correctly").

- Ensure that the quiz can handle a dynamic number of questions and answer choices.

Question Bank: Create a JavaScript object or array to store the quiz questions and correct answers. You can use this data to populate the quiz dynamically.

Additional Features (Optional):

- Add a timer to limit the time for each question.

- Include images or multimedia elements in questions.

- Offer hints or explanations for correct answers.

Deliverables:

A well-structured HTML file containing the quiz layout and questions.

A CSS file with styles for the quiz interface.

A JavaScript file with code for quiz functionality.

A PDF document explaining how your quiz works and providing any necessary instructions for users.

Assessment Criteria:

You will be evaluated based on the following criteria:

- The functionality of the quiz, including correct answer validation and score calculation.

- User interface design and usability.

- Code organization, clarity, and comments.

- Creativity in adding optional features.

- Compliance with best practices for HTML, CSS, and JavaScript.

Submission:

Submit your project as a ZIP archive containing all necessary files. Make sure to include a PDF document that explains how to use your quiz and any special features you've implemented.

Good luck with your interactive quiz project! This assignment will help you apply your front-end web development skills.