

Mini Project: Build a Quiz Exam App Using JavaScript

Objective:

Create an interactive web-based quiz application using HTML, CSS, and JavaScript. The app should present multiple-choice questions to the user, allow them to select answers, and display the final score at the end.

Requirements:

1. Display one question at a time with 3-4 multiple-choice answers.
2. Allow users to select an answer and submit it.
3. Move to the next question after submission.
4. Track and calculate the user's score.
5. Show the final score after all questions are answered.

Tasks to Complete:

1. Design a basic HTML layout to show:
 - The current question
 - Answer options (radio buttons or buttons)
 - A 'Submit' button
2. Use CSS to make the layout visually appealing and responsive.
3. In JavaScript:
 - Store questions and answers in an array or object
 - Handle question rendering and answer selection
 - Track the score
 - Display results at the end

Bonus Features (Optional):

- Add a 'Restart Quiz' button at the end.
- Add a timer for each question.
- Show correct/incorrect feedback after each answer.
- Use localStorage to save high scores.
- Add progress indicators (e.g., 'Question 2 of 5').

Deliverables:

- index.html
- style.css
- script.js

Evaluation Criteria:

- Functionality and correctness
- Code readability and structure
- UI/UX design
- Bonus features (if implemented)