

Web Development Exercise: Build an Interactive Quiz App

Objective

Create a simple and interactive quiz app using **HTML**, **CSS**, and **JavaScript** that displays questions one by one, lets users select an answer, and shows their score at the end.

1. Requirements

HTML (Structure)

- Use semantic elements to organize your page
 - Page must contain:
 - A main title (`<h1>`)
 - A question section
 - Four answer options (`<button>` or radio inputs)
 - A "Next" or "Submit" button
 - A score/result section at the end
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CSS (Style)

- Center the quiz on the page
 - Add spacing and visual clarity using margin and padding
 - Highlight selected answer (e.g., with a border or background)
 - Style buttons (hover effects, color, size, etc.)
 - Bonus: Make it responsive (mobile-friendly)
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JavaScript (Behavior)

- Show one question at a time
- Capture user selection
- Compare with the correct answer

- Keep track of the score
 - After the last question, display the total score
 - Disable the "Next" button until an answer is selected (optional)
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Sample Questions (Optional)

```
const quizData = [
  {
    question: "What does HTML stand for?",
    options: [
      "Hyper Tool Markup Language",
      "Hyper Text Markup Language",
      "Home Tool Markup Language",
      "Hyperlinks and Text Markup Language"
    ],
    correct: 1
  },
  {
    question: "Which CSS property controls text size?",
    options: [
      "font-style",
      "text-size",
      "font-size",
      "text-style"
    ],
    correct: 2
  },
  {
    question: "Which keyword is used to declare a variable in JavaScript?",
    options: [
      "let",
      "int",
      "var",
      "Both let and var"
    ],
    correct: 3
  }
];
```