**HTML:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=\, initial-scale=1.0">

    <title>Document</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="container">

        <h1>Web Engineering Quiz</h1>

        <div id="quiz-container"></div>

        <button id="submit-btn">Submit Quiz</button>

        <div id="score"></div>

    </div>

       <script src="script.js"></script>

</body>

</html>

**CSS:**

body {

  font-family: Arial, sans-serif;

  background-color: #f0f8ff;

  padding: 20px;

}

.container {

  max-width: 600px;

  margin: auto;

}

.question {

  margin-bottom: 15px;

}

.correct {

  color: green;

}

.incorrect {

  color: red;

}

#submit-btn {

  padding: 10px 20px;

  margin-top: 10px;

  background-color: #0066cc;

  color: white;

  border: none;

  cursor: pointer;

}

**Java Script:**

const quizContainer = document.getElementById('quiz-container');

const submitButton = document.getElementById('submit-btn');

const scoreContainer = document.getElementById('score');

let quizData = [];

fetch('questions.json')

  .then(response => {

    if (!response.ok) {

      throw new Error('Failed to load questions.');

    }

    return response.json();

  })

  .then(data => {

    quizData = data;

    showQuestions(quizData);

  })

  .catch(error => {

    quizContainer.innerHTML = `<p style="color:red;">Error: ${error.message}</p>`;

  });

function showQuestions(questions) {

  questions.forEach((q, index) => {

    const questionDiv = document.createElement('div');

    questionDiv.classList.add('question');

    const questionText = document.createElement('p');

    questionText.textContent = `${index + 1}. ${q.question}`;

    questionDiv.appendChild(questionText);

    q.options.forEach((option, optIndex) => {

      const label = document.createElement('label');

      const radio = document.createElement('input');

      radio.type = 'radio';

      radio.name = `question${index}`;

      radio.value = optIndex;

      label.appendChild(radio);

      label.appendChild(document.createTextNode(option));

      questionDiv.appendChild(label);

      questionDiv.appendChild(document.createElement('br'));

    });

    quizContainer.appendChild(questionDiv);

  });

}

submitButton.addEventListener('click', () => {

  let score = 0;

  quizData.forEach((q, index) => {

    const selectedOption = document.querySelector(`input[name="question${index}"]:checked`);

    const questionDiv = quizContainer.children[index];

    const labels = questionDiv.querySelectorAll('label');

    labels.forEach((label, optIndex) => {

      label.classList.remove('correct', 'incorrect');

      if (optIndex === q.correctIndex) {

        label.classList.add('correct');

      } else {

        const input = label.querySelector('input');

        if (input.checked) {

          label.classList.add('incorrect');

        }

      }

    });

    if (selectedOption && parseInt(selectedOption.value) === q.correctIndex) {

      score++;

    }

  });

  scoreContainer.innerHTML = `<h3>Your Score: ${score} / ${quizData.length}</h3>`;

});

