**Capstone Project Part 3: QuizAMI Prototype**

**Steps Taken to Create the Prototype**

**1. Design and Planning**

- Reviewed and analyzed the mockup created in Part 2.

- Decided on the layout and responsive design approach for multiple screen sizes.

- Developed a design system using the selected color palette and typography for consistency across all pages.

**2. HTML Structure**

- Built the basic HTML structure for the website, including the Home, Features, and Quiz Pages.

- Created semantic HTML elements for accessibility and clarity.

**3. CSS Styling**

- Implemented the chosen color palette and fonts in the style.css file.

- Created responsive layouts for mobile, tablet, and desktop views using CSS media queries.

- Ensured that elements like buttons, inputs, and forms were styled according to the mockups.

**4. JavaScript Functionality**

- Added basic interactivity with JavaScript, such as quiz selections and difficulty options.

- Implemented simple DOM manipulation to display quiz questions and manage navigation between pages.

**5. Testing and Debugging**

- Tested the prototype on different screen sizes to ensure responsiveness.

- Debugged issues with layout and JavaScript functionality.

**Resources Used**

**- HTML, CSS, and JavaScript Documentation:**

- MDN Web Docs (https://developer.mozilla.org/en-US/)

- W3Schools (https://www.w3schools.com/)

**- Figma Design File:**

- Used the Figma design file for visual reference and layout inspiration.

**- Responsive Design Tools:**

- Chrome DevTools for testing responsiveness.

- CSS Flexbox and Grid for layout management.

**- Online Tutorials:**

- Tutorials on creating responsive web applications using CSS and JavaScript.

**Challenges Faced**

**1. Ensuring Full Responsiveness:**

- One of the main challenges was making sure that the prototype worked well on various screen sizes, from mobile phones to desktops. This required a lot of testing and fine-tuning of media queries and layout adjustments.

**2. Implementing Dynamic Content:**

- Adding interactivity to the quiz selection and managing the different pages dynamically was a challenge. I had to ensure that the correct quiz content was displayed based on the user’s choices.

**3. Time Management:**

- Balancing the completion of other parts of the project with the coding and design tasks was a bit overwhelming. I had to carefully prioritize tasks and set deadlines to stay on track.

**4. Ensuring Design Consistency:**

- Ensuring the design from the Figma mockup translated perfectly into the prototype required attention to detail, especially when it came to aligning elements and matching the color palette.

**Conclusion**

This part of the Capstone project involved translating the visual design into a fully responsive and functional web prototype. By using HTML, CSS, and JavaScript, I created a prototype that closely aligns with the initial design mockup while ensuring that it performs well across various devices. The challenges faced during this phase provided valuable learning experiences in web development, and the final result is a robust prototype that sets a strong foundation for further development.

**CODE**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Welcome to QuizAMI</title>

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

</head>

<body>

    <div class="index-container">

        <div class="index-header">

            <h1>Welcome to QuizAMI!</h1>

            <p>Your ultimate quiz companion. Test your skills across various topics.</p>

        </div>

        <div class="index-buttons">

            <button class="start-button" onclick="window.location.href='log-in.html'">Sign In</button>

            <button class="start-button" onclick="window.location.href='sign-up.html'">Create Account</button>

            <button class="start-button" onclick="window.location.href='quiz-options.html'">Start Quiz</button>

        </div>

        <div class="index-footer">

            <p>Already have an account? <a href="sign-up.html">Log in here</a></p>

        </div>

    </div>

</body>

</html>

**Sign-up.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Sign Up / Log In</title>

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

</head>

<body>

    <div class="container">

        <div class="form-container">

            <h1 class="form-heading">Create an Account</h1>

            <form action="submit-form.html" method="POST">

                <div class="input-group">

                    <label for="username">Username</label>

                    <input type="text" id="username" name="username" placeholder="Enter your username" required>

                </div>

                <div class="input-group">

                    <label for="email">Email</label>

                    <input type="email" id="email" name="email" placeholder="Enter your email" required>

                </div>

                <div class="input-group">

                    <label for="password">Password</label>

                    <input type="password" id="password" name="password" placeholder="Create a password" required>

                </div>

                <div class="button-container">

                    <button type="submit" class="submit-btn">Sign Up</button>

                </div>

                <p class="form-footer">Already have an account? <a href="log-in.html">Log In</a></p>

            </form>

        </div>

    </div>

</body>

</html>

**Intro.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Introduction - QuizAMI</title>

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

</head>

<body>

    <div class="intro-container">

        <div class="intro-header">

            <h1>Welcome to QuizAMI!</h1>

            <p>Your ultimate quiz platform for testing your knowledge across various topics.</p>

        </div>

        <div class="intro-content">

            <p>Get ready to dive into an exciting world of quizzes. Challenge yourself with different topics and levels of difficulty.</p>

            <p>Click below to start your first quiz!</p>

        </div>

        <div class="intro-footer">

            <a href="quiz-options.html" class="start-button">Start Quiz</a>

        </div>

    </div>

</body>

</html>

**Log-in.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Log In - QuizAMI</title>

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

</head>

<body>

    <div class="login-container">

        <div class="login-header">

            <h1>Log In</h1>

            <p>Access your quiz journey and pick up from where you left off!</p>

        </div>

        <form class="login-form">

            <div class="form-group">

                <label for="email">Email:</label>

                <input type="email" id="email" name="email" placeholder="Enter your email" required class="input-field">

            </div>

            <div class="form-group">

                <label for="password">Password:</label>

                <input type="password" id="password" name="password" placeholder="Enter your password" required class="input-field">

            </div>

            <div class="form-group">

                <a href="intro.html" class="start-button">Log In</a>

            </div>

        </form>

        <div class="signup-footer">

            <p>Don't have an account? <a href="sign-up.html">Sign Up</a></p>

        </div>

    </div>

</body>

</html>

**Quiz-options.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Select Quiz</title>

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

</head>

<body>

    <div class="quiz-container">

        <div class="quiz-heading">

            <h1>Select a Quiz Topic</h1>

            <p>Choose a quiz to test your knowledge</p>

        </div>

        <div class="quiz-options">

            <button class="quiz-button" onclick="window.location.href='difficulty.html'">Linux</button>

            <button class="quiz-button" onclick="window.location.href='difficulty.html'">Laravel</button>

            <button class="quiz-button" onclick="window.location.href='difficulty.html'">JavaScript</button>

            <button class="quiz-button" onclick="window.location.href='difficulty.html'">Docker</button>

            <button class="quiz-button" onclick="window.location.href='difficulty.html'">Python</button>

            <button class="quiz-button" onclick="window.location.href='difficulty.html'">Kubernetes</button>

</div>

    </div>

</body>

</html>

**Difficulty.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Select Difficulty</title>

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

</head>

<body>

    <div class="difficulty-container">

        <div class="difficulty-heading">

            <h1>Select Difficulty Level</h1>

            <p>Choose a difficulty level for the quiz</p>

        </div>

        <div class="difficulty-options">

            <a href="quiz-linux.html" class="difficulty-button">Beginner</a>

            <a href="quiz-linux.html" class="difficulty-button">Runner</a>

            <a href="quiz-linux.html" class="difficulty-button">Expert</a>

            </div>

    </div>

</body>

</html>

**Quiz-linux.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Linux Quiz</title>

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

</head>

<body>

    <div class="quiz-container">

        <h1>Linux Quiz</h1>

        <p class="question">Question 1: What command is used to list all files and directories in Linux?</p>

        <div class="options">

            <button class="option" data-correct="false">A. del</button>

            <button class="option" data-correct="true">B. ls</button>

            <button class="option" data-correct="false">C. rm</button>

            <button class="option" data-correct="false">D. mv</button>

        </div>

        <p class="feedback"></p>

        <button class="next-button" onclick="nextQuestion()">Next Question</button>

    </div>

    <script src="script.js"></script>

</body>

</html>

**Result-linux.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Quiz Result</title>

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

</head>

<body>

    <div class="result-container">

        <h1 class="result-heading">Quiz Complete!</h1>

        <p class="result-description">You answered 3 out of 5 questions correctly.</p>

        <div class="result-summary">

            <p>Great job! Keep up the good work!</p>

        </div>

        <div class="result-footer">

            <button class="result-button" onclick="window.location.href='quiz-options.html'">Take Another Quiz</button>

            <button class="result-button" onclick="window.location.href='index.html'">Go Back to Home</button>

        </div>

    </div>

</body>

</html>

**Style.css**

body {

    font-family: Arial, sans-serif;

    background-color: #f4f4f4;

    margin: 0;

    padding: 20px;

}

.container {

    max-width: 600px;

    margin: 0 auto;

    background: #ffffff;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

}

h2 {

    color: #1A4A5A;

    font-size: 24px; /\* Updated font size \*/

}

.question {

    font-size: 20px; /\* Updated question font size \*/

    margin-bottom: 20px;

}

p {

    font-size: 18px;

    margin-bottom: 20px;

}

.button-group {

    display: flex;

    flex-direction: column;

}

.button {

    background-color: #148D8D;

    color: white;

    text-align: center;

    padding: 15px; /\* Updated padding \*/

    margin: 10px 0; /\* Updated margin \*/

    border: none;

    border-radius: 5px;

    text-decoration: none;

    transition: background-color 0.3s ease;

    font-size: 18px; /\* Updated font size \*/

}

.button:hover {

    background-color: #1A4A5A;

}

.back-button {

    background-color: #BB9200;

}

.back-button:hover {

    background-color: #C1E1A7;

}

body {

    font-family: Arial, sans-serif;

    background-color: #f4f4f4;

    margin: 0;

    padding: 20px;

}

.container {

    max-width: 600px;

    margin: 0 auto;

    background: #ffffff;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

}

h2 {

    color: #1A4A5A;

    font-size: 28px; /\* Updated font size for larger heading \*/

}

.question {

    font-size: 22px; /\* Updated question font size \*/

    margin-bottom: 30px;

}

p {

    font-size: 18px;

    margin-bottom: 20px;

}

.button-group {

    display: flex;

    flex-direction: column;

    gap: 15px; /\* Adds spacing between buttons \*/

}

.button {

    background-color: #148D8D;

    color: white;

    text-align: center;

    padding: 20px; /\* Increased padding for bigger buttons \*/

    margin: 10px 0; /\* Updated margin for spacing \*/

    border: none;

    border-radius: 8px;

    text-decoration: none;

    transition: background-color 0.3s ease;

    font-size: 20px; /\* Larger font size for big buttons \*/

    font-weight: bold;

}

.button:hover {

    background-color: #1A4A5A;

}

.back-button {

    background-color: #BB9200;

}

.back-button:hover {

    background-color: #C1E1A7;

}

/\* Base button styling \*/

.button {

    display: inline-block;

    padding: 10px 20px;

    margin: 10px;

    font-size: 18px;

    text-align: center;

    border-radius: 5px;

    text-decoration: none;

    color: white;

    background-color: #148D8D;  /\* Default color \*/

    transition: background-color 0.3s;

}

/\* Hover effect \*/

.button:hover {

    background-color: #1A4A5A;

}

/\* Correct answer styling \*/

.correct {

    background-color: #5FBD00; /\* Green for correct answer \*/

    color: white;

}

/\* Incorrect answer styling \*/

.incorrect {

    background-color: #BB4A4A; /\* Red for incorrect answer \*/

    color: white;

}

/\* Base Styles \*/

body {

    font-family: 'Roboto', sans-serif; /\* Replace with your Figma font \*/

    background-color: #F4F4F9; /\* Background color from Figma \*/

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

header {

    background-color: #EFBC75; /\* Primary color from Figma \*/

    padding: 20px;

    text-align: center;

}

header h1 {

    font-size: 2rem;

    color: white;

    margin: 0;

}

nav ul {

    list-style-type: none;

    padding: 0;

    text-align: center;

}

nav ul li {

    display: inline;

    margin: 0 15px;

}

nav ul li a {

    text-decoration: none;

    font-size: 1.2rem;

    color: white;

}

nav ul li a:hover {

    color: #1A4A5A; /\* Hover color from Figma \*/

}

/\* Main Section \*/

main {

    padding: 40px 20px;

    text-align: center;

}

section h2 {

    font-size: 2rem;

    margin-bottom: 20px;

}

ul li a {

    font-size: 1.5rem;

    color: #148D8D;

    padding: 12px 24px;

    border: 2px solid #148D8D;

    border-radius: 5px;

    display: inline-block;

    margin-top: 15px;

    text-decoration: none;

    transition: all 0.3s ease;

}

ul li a:hover {

    background-color: #1A4A5A; /\* Button hover color \*/

    color: white;

}

/\* Footer \*/

footer {

    background-color: #1A4A5A; /\* Footer color from Figma \*/

    color: white;

    padding: 20px;

    text-align: center;

}

/\* Buttons \*/

.start-btn {

    padding: 12px 30px;

    background-color: #148D8D; /\* Button color from Figma \*/

    color: white;

    text-decoration: none;

    border-radius: 5px;

    font-size: 1.2rem;

    margin-top: 20px;

}

.start-btn:hover {

    background-color: #1A4A5A; /\* Hover color \*/

}

/\* Flexbox Layout for two columns \*/

.container {

    display: flex;

    justify-content: space-between;

    gap: 20px;

}

.container .left-column, .container .right-column {

    flex: 1;

    padding: 20px;

}

/\* sign-up \*/

/\* Resetting default margin, padding, and box-sizing \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

/\* Global Styles \*/

body {

    font-family: 'Arial', sans-serif;

    background: linear-gradient(to right, #6A82FB, #FC5C7D); /\* Smooth gradient background \*/

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

}

/\* Container for the Form \*/

.container {

    width: 100%;

    max-width: 400px;

    background-color: #ffffff;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

    padding: 40px;

}

/\* Heading Styling \*/

.form-heading {

    text-align: center;

    font-size: 2.2rem;

    color: #333;

    margin-bottom: 30px;

}

/\* Input Group \*/

.input-group {

    margin-bottom: 20px;

}

.input-group label {

    font-size: 1rem;

    color: #555;

    margin-bottom: 8px;

    display: block;

}

.input-group input {

    width: 100%;

    padding: 12px;

    font-size: 1rem;

    color: #333;

    border: 2px solid #ddd;

    border-radius: 8px;

    background-color: #fafafa;

    transition: border 0.3s ease;

}

.input-group input:focus {

    border-color: #6A82FB; /\* Focus border color \*/

    outline: none;

}

/\* Button Styling \*/

.submit-btn {

    width: 100%;

    padding: 14px;

    background-color: #6A82FB; /\* Primary button color \*/

    color: #fff;

    font-size: 1.1rem;

    border: none;

    border-radius: 8px;

    cursor: pointer;

    transition: background-color 0.3s ease;

}

.submit-btn:hover {

    background-color: #FC5C7D; /\* Hover effect \*/

}

/\* Form Footer \*/

.form-footer {

    text-align: center;

    margin-top: 20px;

    font-size: 1rem;

    color: #555;

}

.form-footer a {

    color: #6A82FB;

    text-decoration: none;

    font-weight: bold;

}

.form-footer a:hover {

    color: #FC5C7D;

}

/\* Responsive Styles \*/

@media (max-width: 768px) {

    .container {

        padding: 25px;

    }

    .form-heading {

        font-size: 1.8rem;

    }

    .input-group input {

        padding: 10px;

        font-size: 1rem;

    }

    .submit-btn {

        padding: 12px;

        font-size: 1rem;

    }

}

/\* all pages \*/

/\* Resetting default margin, padding, and box-sizing \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

/\* Global Styles \*/

body {

    font-family: 'Arial', sans-serif;

    background-color: #F7F7F7;

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

}

/\* Container for all Quiz Pages \*/

.quiz-container, .difficulty-container {

    width: 100%;

    max-width: 800px;

    background-color: #ffffff;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

    padding: 40px;

    text-align: center;

}

/\* Heading \*/

.quiz-heading h1, .difficulty-heading h1 {

    font-size: 2.5rem;

    color: #333;

    margin-bottom: 20px;

}

.quiz-heading p, .difficulty-heading p {

    font-size: 1.2rem;

    color: #777;

}

/\* Quiz Buttons \*/

.quiz-button, .difficulty-button, .quiz-option, .next-button {

    display: inline-block;

    width: 250px;

    padding: 14px;

    margin: 10px 0;

    background-color: #6A82FB;

    color: #fff;

    font-size: 1.2rem;

    text-align: center;

    border: none;

    border-radius: 8px;

    cursor: pointer;

    transition: all 0.3s ease;

}

.quiz-button:hover, .difficulty-button:hover, .quiz-option:hover, .next-button:hover {

    background-color: #FC5C7D;

}

/\* Spacing and Button Layout \*/

.quiz-options, .difficulty-options {

    display: flex;

    flex-direction: column;

    align-items: center;

}

.quiz-option {

    width: 80%;

    margin-bottom: 10px;

}

.next-button {

    width: 40%;

    margin-top: 30px;

}

/\* Responsive Design \*/

@media (max-width: 768px) {

    .quiz-container, .difficulty-container {

        padding: 30px;

        max-width: 100%;

    }

    .quiz-heading h1, .difficulty-heading h1 {

        font-size: 2rem;

    }

    .quiz-button, .difficulty-button, .quiz-option, .next-button {

        width: 90%;

    }

}

/\* result \*/

.result-container {

    width: 100%;

    max-width: 800px;

    background-color: #ffffff;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

    padding: 40px;

    text-align: center;

    margin-top: 50px;

}

.result-heading {

    font-size: 2.5rem;

    color: #333;

    margin-bottom: 20px;

}

.result-description {

    font-size: 1.2rem;

    color: #777;

    margin-bottom: 30px;

}

.result-summary {

    font-size: 1.5rem;

    color: #28a745;

    margin-bottom: 40px;

}

.result-footer .result-button {

    width: 50%;

    padding: 14px;

    margin: 10px;

    background-color: #6A82FB;

    color: #fff;

    font-size: 1.2rem;

    text-align: center;

    border: none;

    border-radius: 8px;

    cursor: pointer;

}

.result-button:hover {

    background-color: #FC5C7D;

}

/\*index.html\*/

/\* Resetting default margin, padding, and box-sizing \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

/\* Global Styles \*/

body {

    font-family: 'Arial', sans-serif;

    background-color: #F7F7F7;

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

}

/\* Container for the Landing Page \*/

.index-container {

    width: 100%;

    max-width: 800px;

    background-color: #ffffff;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

    padding: 40px;

    text-align: center;

}

/\* Header Section \*/

.index-header h1 {

    font-size: 2.5rem;

    color: #333;

    margin-bottom: 20px;

}

.index-header p {

    font-size: 1.2rem;

    color: #777;

    margin-bottom: 30px;

}

/\* Buttons \*/

.start-button {

    display: inline-block;

    width: 250px;

    padding: 14px;

    margin: 10px 0;

    background-color: #6A82FB;

    color: #fff;

    font-size: 1.2rem;

    text-align: center;

    border: none;

    border-radius: 8px;

    cursor: pointer;

    transition: all 0.3s ease;

}

.start-button:hover {

    background-color: #FC5C7D;

}

/\* Footer Section \*/

.index-footer p {

    margin-top: 30px;

    font-size: 1rem;

    color: #333;

}

.index-footer a {

    color: #6A82FB;

    text-decoration: none;

}

.index-footer a:hover {

    text-decoration: underline;

}

/\* Responsive Design \*/

@media (max-width: 768px) {

    .index-container {

        padding: 30px;

        max-width: 100%;

    }

    .index-header h1 {

        font-size: 2rem;

    }

    .start-button {

        width: 90%;

    }

    .index-footer {

        font-size: 1rem;

    }

}

/\* log-in \*/

/\* Global Styles \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

/\* Body Setup \*/

body {

    font-family: 'Arial', sans-serif;

    background-color: #f4f4f9;

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

    padding: 20px;

}

/\* Login Container \*/

.login-container {

    width: 100%;

    max-width: 400px;

    background-color: #ffffff;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

    padding: 40px;

    text-align: center;

    background-image: linear-gradient(45deg, #06124e, #084635);

    color: #fff;

}

.login-header h1 {

    font-size: 2rem;

    margin-bottom: 20px;

}

.login-header p {

    font-size: 1.1rem;

    margin-bottom: 30px;

}

/\* Input Fields \*/

.input-field {

    width: 100%;

    padding: 14px;

    margin: 10px 0;

    font-size: 1rem;

    border-radius: 8px;

    border: none;

    outline: none;

    transition: all 0.3s ease;

}

.input-field:focus {

    border: 2px solid #FC5C7D;

    box-shadow: 0 0 8px rgba(252, 92, 125, 0.6);

}

/\* Submit Button \*/

.submit-button {

    width: 100%;

    padding: 14px;

    margin: 10px 0;

    background-color: #FC5C7D;

    color: white;

    font-size: 1.2rem;

    border: none;

    border-radius: 8px;

    cursor: pointer;

    transition: background-color 0.3s ease;

}

.submit-button:hover {

    background-color: #6A82FB;

}

/\* Footer Section \*/

.signup-footer p {

    font-size: 1rem;

    color: #fff;

    margin-top: 20px;

}

.signup-footer a {

    color: #FC5C7D;

    text-decoration: none;

}

.signup-footer a:hover {

    text-decoration: underline;

}

/\* Form Group \*/

.form-group {

    margin-bottom: 20px;

}

.form-group label {

    font-size: 1rem;

    color: #fff;

    display: block;

    margin-bottom: 5px;

}

/\* Responsive Design \*/

@media (max-width: 768px) {

    .login-container {

        padding: 30px;

        max-width: 100%;

    }

    .login-header h1 {

        font-size: 1.8rem;

    }

    .input-field {

        font-size: 1rem;

    }

    .submit-button {

        font-size: 1.1rem;

    }

    .signup-footer {

        font-size: 1rem;

    }

}

/\* intro.html \*/

/\* Global Styles \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

/\* Body Setup \*/

body {

    font-family: 'Arial', sans-serif;

    background-color: #f4f4f9;

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

    padding: 20px;

}

/\* Intro Container \*/

.intro-container {

    width: 100%;

    max-width: 500px;

    background-color: #ffffff;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

    padding: 40px;

    text-align: center;

    background-image: linear-gradient(45deg, #06124e, #084635);

    color: #fff;

}

.intro-header h1 {

    font-size: 2rem;

    margin-bottom: 20px;

}

.intro-header p {

    font-size: 1.1rem;

    margin-bottom: 20px;

}

.intro-content p {

    font-size: 1rem;

    margin-bottom: 20px;

}

/\* Start Quiz Button \*/

.start-button {

    display: inline-block;

    padding: 15px 30px;

    margin: 20px 0;

    background-color: #FC5C7D;

    color: rgb(255, 255, 255);

    font-size: 1.2rem;

    text-decoration: none;

    border-radius: 8px;

    cursor: pointer;

    transition: background-color 0.3s ease;

}

.start-button:hover {

    background-color: #6A82FB;

}

/\* Footer Section \*/

.intro-footer p {

    font-size: 1rem;

    color: #fff;

}

/\* Responsive Design \*/

@media (max-width: 768px) {

    .intro-container {

        padding: 30px;

        max-width: 100%;

    }

    .intro-header h1 {

        font-size: 1.8rem;

    }

    .start-button {

        font-size: 1.1rem;

        padding: 12px 25px;

    }

    .intro-content p {

        font-size: 0.9rem;

    }

}

/\* quiz-linux.html \*/

/\* style.css \*/

body {

    font-family: Arial, sans-serif;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

    background-color: #f7f8fa;

}

.quiz-container {

    text-align: center;

    background-color: #ffffff;

    padding: 2em;

    border-radius: 8px;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

    max-width: 400px;

    width: 100%;

}

h1 {

    color: #333;

}

.question {

    font-size: 1.2em;

    margin-bottom: 1em;

}

.options {

    display: flex;

    flex-direction: column;

    gap: 10px;

}

.option {

    padding: 10px;

    font-size: 1em;

    border: 2px solid #333;

    border-radius: 5px;

    background-color: #e0e0e0;

    cursor: pointer;

    transition: background-color 0.3s ease;

}

.option:hover {

    background-color: #d3d3d3;

}

.option.correct {

    background-color: #28a745;

    color: #ffffff;

    border-color: #28a745;

}

.option.incorrect {

    background-color: #dc3545;

    color: #ffffff;

    border-color: #dc3545;

}

**Script.js**

// Questions and answers object

const questions = {

    python: {

        question: "What keyword is used to define a function in Python?",

        options: ["def", "func", "define", "lambda"],

        correctAnswer: "def"

    },

    docker: {

        question: "Which command is used to list Docker containers?",

        options: ["docker ps", "docker list", "docker run", "docker stop"],

        correctAnswer: "docker ps"

    },

    // Add more topics here if needed

};

// Load quiz data for selected topic

function loadQuiz(topic) {

    const questionContainer = document.querySelector(".question");

    const buttonGroup = document.querySelector(".button-group");

    // Clear any previous options

    buttonGroup.innerHTML = '';

    const quizData = questions[topic];

    questionContainer.textContent = quizData.question;

    quizData.options.forEach(option => {

        const button = document.createElement("a");

        button.className = "button";

        button.textContent = option;

        button.href = "#";

        button.onclick = (e) => checkAnswer(e, option, quizData.correctAnswer);

        buttonGroup.appendChild(button);

    });

}

// Check the answer and provide feedback

function checkAnswer(event, selectedAnswer, correctAnswer) {

    // Remove any previous feedback classes

    document.querySelectorAll(".button").forEach(btn => {

        btn.classList.remove("correct", "incorrect");

    });

    if (selectedAnswer === correctAnswer) {

        event.target.classList.add("correct");  // Green for correct answer

    } else {

        event.target.classList.add("incorrect");  // Red for incorrect answer

    }

}

// Initial call to load the quiz topic data

document.addEventListener("DOMContentLoaded", () => {

    const urlParams = new URLSearchParams(window.location.search);

    const topic = urlParams.get("topic") || "python";  // Default to Python if no topic is provided

    loadQuiz(topic);

});

document.querySelectorAll('.option').forEach(button => {

    button.addEventListener('click', function () {

        // Change button colors based on correct/incorrect answer

        if (this.dataset.answer === 'correct') {

            this.style.backgroundColor = 'green';

        } else {

            this.style.backgroundColor = 'red';

        }

        // Show score and disable all options after selection

        const options = document.querySelectorAll('.option');

        options.forEach(option => option.disabled = true);

        // Calculate score

        let score = 0;

        options.forEach(option => {

            if (option.dataset.answer === 'correct' && option.style.backgroundColor === 'green') {

                score++;

            }

        });

        // Display score on the result page

        document.getElementById('score').textContent = score;

        setTimeout(() => {

            window.location.href = 'quiz-result.html';

        }, 2000); // Redirect after 2 seconds

    });

});

/\* linux \*/

// Get all option buttons

const options = document.querySelectorAll(".option");

options.forEach(option => {

    option.addEventListener("click", function() {

        // Check if the answer is correct or incorrect

        if (option.getAttribute("data-answer") === "correct") {

            option.classList.add("correct");

        } else {

            option.classList.add("incorrect");

        }

        // Disable all options after a choice is made

        options.forEach(btn => btn.disabled = true);

        // Redirect to the result page after a short delay

        setTimeout(() => {

            window.location.href = "result-linux.html";

        }, 1000);

    });

});