**MODULE-2**

**ASSIGNMENT-3: Design the Test Taker Interface**

**Create a responsive HTML webpage for test takers using semantic HTML elements. The webpage should include a form to collect user details, ensuring accessibility and**

**responsiveness**.

Here’s a step-by-step approach to designing a responsive HTML webpage for test takers, ensuring it meets all the requirements for structure, responsiveness, accessibility, and styling.

**Step-by-Step Approach**

**1**. **Structure the HTML Page**

\* Create a Basic HTML Document:

- Start with a basic HTML template.

- Use semantic elements for better readability and SEO.

\* Add Semantic Elements:

- Use appropriate tags like <header>, <section>, <footer>, and <form> for structuring the webpage.

**2.** **Design the Form**

\* Form Elements:

- Use a <form> element for collecting user inputs.

- Include the following fields:

Name:

Use a text input (<input type="text">).

Make it required.

Email:

Use an email input (<input type="email">).

Make it required.

Test Section:

Use a dropdown (<select> with options).

- Add a submit button within the form.

**3.** **Ensure Responsiveness**

\* Responsive Layout:

- Use CSS media queries to ensure the layout adapts to different screen sizes.

- Ensure the form is centered and provides a good user experience on mobile, tablet, and desktop screens.

**4**. **Add Accessibility Features**

\* Labels and ARIA Attributes:

- Use <label> tags for each form field.

- Use aria-label attributes where necessary to improve accessibility.

- Add placeholders for additional user guidance.

**5**. **Style the Page**

\* CSS Styling:

- Center the form on the page using CSS.

- Add padding and margin for a clean layout.

- Implement hover effects on the submit button.

**Detailed Steps**

**Step 1: Structure the HTML Page**

**1.Create the HTML file:**

- Create a file named test\_taker\_interface.html.

**2.Set up the basic HTML structure:**

- Add <!DOCTYPE html>, <html>, and <head> tags.

- Include a <title> for the webpage.

**3.Add semantic elements:**

- Use <header> for the page header.

- Use <section> for the form content.

- Use <footer> for the page footer.

**Example:**

html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Test Taker Interface</title>

</head>

<body>

<header>

<h1>IELTS Speaking Test Registration</h1>

</header>

<section>

<form id="test-taker-form">

<!-- Form elements will go here -->

</form>

</section>

<footer>

<p>&copy; 2023 IELTS Test Platform</p>

</footer>

</body>

</html>

**Step 2: Design the Form**

**1.Add form fields:**

- Use <label> for each field.

- Use required attributes for mandatory fields.

- Include placeholder text for better guidance.

**2.Add the submit button:**

- Include a button to submit the form.

**Example structure:**

html

<form id="test-taker-form">

<label for="name">Name:</label>

<input type="text" id="name" name="name" required placeholder="Enter your name" aria-label="Name">

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

<input type="email" id="email" name="email" required placeholder="Enter your email" aria-label="Email">

<label for="test-section">Test Section:</label>

<select id="test-section" name="test-section" aria-label="Test Section">

<option value="speaking">Speaking</option>

<option value="listening">Listening</option>

<option value="writing">Writing</option>

</select>

<button type="submit">Submit</button>

</form>

**Step 3: Ensure Responsiveness**

**1.Add CSS for a responsive layout:**

- Use media queries to adjust styles for different screen sizes.

- Ensure the form is properly centered and styled.

**Example:**

css

body {

font-family: Arial, sans-serif;

}

#test-taker-form {

margin: 0 auto;

padding: 20px;

max-width: 500px;

border: 1px solid #ccc;

border-radius: 10px;

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

}

@media (max-width: 600px) {

#test-taker-form {

padding: 10px;

}

}

**Step 4: Add Accessibility Features**

**1.Use ARIA labels and placeholders:**

- Ensure all elements are accessible by screen readers.

**Step 5: Style the Page**

**1.Enhance the form’s appearance:**

- Ensure a clean and user-friendly layout.

- Use CSS to style the form inputs and submit button.

- Add hover effects for better user interaction.

**Example styling:**

css

input, select, button {

width: 100%;

padding: 10px;

margin: 10px 0;

box-sizing: border-box;

}

button:hover {

background-color: #4CAF50;

color: white;

}

**Final Steps:**

**1.Test the Page:**

- Open the webpage in different browsers and devices to ensure it looks good and performs well.

**2.Screenshots:**

- Capture screenshots of the webpage on mobile, tablet, and desktop devices as required for submission.

**3.Prepare Submission:**

- Ensure your HTML file is named test\_taker\_interface.html.

- Include the necessary screenshots in the submission package.