# Building a Tech Conference Website

**Objective:** Develop a website for an annual tech conference called "InnovateX". The site will feature multiple pages including Home, About, Schedule, Speakers, and Contact. The website must be responsive, ensuring a good user experience on both desktop and mobile devices.

**Task Breakdown:**

1. **Overview of HTML and CSS**

   o **Task:** Set up the basic HTML structure and apply CSS for styling.

   o **Requirements:**

      ▪ Use semantic HTML5 elements for layout (header, footer, section, etc.)

      ▪ Style the website using external CSS (fonts, colors, margins, paddings).

2. **UI/UX and Web Design**

   o **Task:** Design a user-friendly interface with a consistent theme.

   o **Requirements:**

      ▪ Create a color scheme and choose web-safe fonts.

      ▪ Ensure the navigation is intuitive and accessible.

3. **JavaScript Basics**

   o **Task:** Add interactivity to the website.

   o **Requirements:**

      ▪ Implement dropdown menus and modal windows using vanilla JavaScript.

      ▪ Use JavaScript for form validations on the Contact page.

4. **Responsive Design**

   o **Task:** Ensure the website is responsive and looks good on all devices.

   o **Requirements:**

      ▪ Use media queries to adjust layout elements depending on the screen size.

      ▪ Test responsiveness on multiple devices.

5. **Advanced JavaScript and TypeScript**

   o **Task:** Enhance the site functionality.

   o **Requirements:**

- Use TypeScript for adding static type definitions to complex functions.

- Implement a live countdown timer for the conference start date.

6. **Dynamic Content with JavaScript**

   o **Task:** Dynamically load speaker details and schedule.

   o **Requirements:**

     - Fetch speaker data from a JSON file and display it on the Speakers page.

     - Create a dynamic schedule that allows users to filter sessions by track.

7. **Advanced CSS Techniques**

   o **Task:** Implement advanced styling features.

   o **Requirements:**

     - Use CSS Grid and Flexbox for layout.

     - Create custom animations for page transitions.