

Responsive Navigation Menu

This project focuses on building an advanced responsive navigation menu using HTML, CSS, and JavaScript, designed for seamless navigation across devices and screen sizes. The menu includes dropdown submenus, transitions, and enhanced accessibility features.

Key Features and Technologies:

- **Semantic HTML Structure:**
 - The navigation menu uses semantic elements (<nav>, , , and <a>).
 - Dropdowns are implemented for the Services and Products sections.
- **CSS Styling:**
 - The menu features a horizontal layout for desktop and a hamburger menu for mobile screens.
 - Smooth transitions and hover effects provide a visually appealing experience.
 - Media queries ensure responsiveness, collapsing the menu into a hamburger icon on screens less than 768px wide, with a sliding side-panel for mobile devices.
- **JavaScript Functionality:**
 - The hamburger icon toggles the visibility of the menu on mobile devices.
 - Dropdown menus can expand and collapse via keyboard interactions or mouse clicks.
 - The menu auto-closes when a link is clicked or when a user clicks outside the menu area.
 - Keyboard navigation and ARIA roles ensure accessibility, supporting users with disabilities.
- **Accessibility:**
 - ARIA attributes and keyboard navigation ensure that the menu can be operated without a mouse.
 - Dropdowns can be accessed using Enter or Space, and the Escape key closes the menu.
- **Responsiveness & Testing:**
 - Media queries adapt the layout for various devices.
 - The menu has been tested on desktop, tablet, and mobile devices, ensuring smooth performance across modern browsers.

This project demonstrates a well-structured, accessible, and responsive navigation system with modern design principles and interactive features.