**Web Devlopment**

1. **Create an interactive navigation menu that changes color or style when scrolled or when hovering over a menu item. The navigation menu should have a fixed position and be visible on all pages. Use HTML to structure the menu, CSS to style it, and JavaScript to add interactivity, such as changing the background color or font color of the menu when it is scrolled or when a menu item is hovered over:-**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Interactive Navigation Menu</title>

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

</head>

<body>

<nav class="navigation">

<a href="#" class="nav-link">Home</a>

<a href="#" class="nav-link">About</a>

<a href="#" class="nav-link">Services</a>

<a href="#" class="nav-link">Contact</a>

</nav>

<main>

<p>This is the main content of your page. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>

</main>

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

</body>

</html>

1. Build a personal portfolio website that showcases your skills, projects, and accomplishments as a web developer. Design an attractive and visually appealing layout that captures visitors' attention. Include a home page with a captivating headline, professional photo, and summary of your skills. Provide an "About Me" section with a detailed background, education, and professional experience:-

<!DOCTYPE html>

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<head>

<meta charset="UTF-8">

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

<title>[Your Name] Portfolio</title>

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

</head>

<body>

<header class="header">

<h1 class="hero-title">[Your Name]</h1>

<p class="hero-subtitle">Web Developer</p>

<img src="profile.jpg" alt="[Your Name] - Profile Photo" class="profile-image">

</header>

<nav class="navigation">

<a href="#about" class="nav-link">About Me</a>

<a href="#skills" class="nav-link">Skills</a>

<a href="#projects" class="nav-link">Projects</a>

<a href="#contact" class="nav-link">Contact</a>

</nav>

<main>

<section class="about" id="about">

<h2>About Me</h2>

<p>[Write a detailed paragraph about your background, education, and professional experience. Highlight your strengths and achievements.]</p>

</section>

<section class="skills" id="skills">

<h2>Skills</h2>

<ul>

<li>HTML & CSS</li>

<li>JavaScript</li>

</ul>

</section>

<section class="projects" id="projects">

<h2>Projects</h2>

<p>[Showcase your projects here. Briefly describe each project, including its purpose, technologies used, and links to live demos or code repositories (if applicable).]</p>

</section>

<section class="contact" id="contact">

<h2>Contact</h2>

<p>[Provide your contact information, such as email address, social media links, or a contact form.]</p>

</section>

</main>

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

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</main>

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

</body>

</html>

/\*Css

body {

font-family: sans-serif;

margin: 0;

padding: 0;

}

.navigation {

position: fixed;

top: 0;

left: 0;

width: 100%;

background-color: #fff;

padding: 10px 0;

display: flex;

justify-content: space-between;

z-index: 10; /\* Make sure the menu stays above other content \*/

}

.nav-link {

text-decoration: none;

color: #333;

padding: 10px 20px;

font-weight: bold;

}

.nav-link:hover {

background-color: #f0f0f0;

}

/\* Add a subtle color change on scroll to indicate the menu is fixed \*/

.navigation.scrolled {

background-color: #fafafa;

}

/\*java script

const nav = document.querySelector('.navigation');

window.addEventListener('scroll', () => {

if (window.scrollY > 0) {

nav.classList.add('scrolled');

} else {

nav.classList.remove('scrolled');

}

});