TASK 01

 Responsive Landing Page

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.

Here's the code for an interactive navigation menu that meets your requirements:

HTML (index.html):

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>PRODIGY INFOTECH</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <nav class="navigation">
      <a href="#" class="logo">PRODIGY INFOTECH</a>
      <ul>
        <li><a href="#about">About</a></li>
        <li><a href="#services">Services</a></li>
        <li><a href="#portfolio">Portfolio</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>

  <section id="about">
    <h1>About Us</h1>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
  </section>
  <section id="services">
    <h1>Our Services</h1>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
  </section>
  <script src="script.js"></script>
</body>
</html>
```


CSS (style.css):

```css
body {
  font-family: Arial, sans-serif;
  margin: 0;
}

header {
```

```css
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
  background-color: #333;
  padding: 10px 20px;
}

.navigation {
  display: flex;
  justify-content: space-between;
  align-items: center;
}

.logo {
  color: #fff;
  font-size: 20px;
  text-decoration: none;
}

.navigation ul {
  list-style: none;
  margin: 0;
  padding: 0;
}

.navigation li {
  display: inline-block;
  margin-right: 20px;
}

.navigation a {
  color: #fff;
  text-decoration: none;
  font-weight: bold;
  padding: 10px 15px;
}

.navigation a:hover {
  background-color: #ddd;
  color: #333;
  transition: background-color 0.3s ease;
}

/* Add styling for sections (about, services, etc.) here */

#about, #services, /* Add selectors for other sections */ {
  padding: 50px 0;
}

/* Add media queries for responsive design (optional) */

@media (max-width: 768px) {
  .navigation {
    flex-direction: column;
    align-items: center;
  }
  .navigation li {
    margin-right: 0;
    margin-bottom: 10px;
  }
}
```

JavaScript (script.js):

```javascript
const navigation = document.querySelector('.navigation');
const sections = document.querySelectorAll('section');

window.addEventListener('scroll', () => {
  if (window.scrollY > 0) {
    navigation.classList.add('scrolled');
  } else {
    navigation.classList.remove('scrolled');
  }
});

navigation.addEventListener('click', (event) => {
  event.preventDefault(); // Prevent default link behavior

  if (event.target.tagName === 'A') {
    const targetSection = event.target.getAttribute('href');
    const targetElement = document.querySelector(targetSection);

    if (targetElement) {
      targetElement.scrollIntoView({ behavior: 'smooth' });
    }
  }
});
```

Explanation:

The HTML code defines the basic structure of the navigation menu and the main content sections.
The CSS styles the navigation menu,

Sources
info
medium.com/samsung-internet-dev/making-an-ar-game-with-aframe-529e03ae90cb
www.sitepoint.com/dynamic-menu-builder-bootstrap-3-menu-manager/
stackoverflow.com/questions/69893959/how-can-i-make-my-page-not-to-be-shown-as-zoomed-in
glw.pt/pt/