



CSS Navigation Bar

Unit-III

SCS181 Web Technologies-I



CSS Navigation Bar

- A **CSS navigation bar** (navbar) is a user interface element that allows users to navigate between pages or sections of a website.
- A navbar typically includes links, icons, or buttons that are styled using CSS to create an intuitive and visually appealing navigation experience.
- It is a key component in creating a functional and aesthetically pleasing website.

Features of a Navigation Bar

- 1.Horizontal or Vertical Layout:** Navbars can be displayed horizontally (default for menus) or vertically (like sidebars).
- 2.Responsive Design:** Adapts to various screen sizes for usability on desktops and mobile devices.
- 3.Interactive Effects:** Includes hover effects, dropdown menus, and active link highlights.
- 4.Styling Customization:** Easily styled using CSS properties like background-color, padding, margin, hover, etc.

Types of Navigation Bars

- Horizontal Nav Bar
- Vertical Nav Bar
- Drop down Nav Bar
- Fixed Nav Bar
- Responsive Nav Bar

Horizontal Navigation Bar

This is the most common type of navigation bar where links are aligned horizontally.

Example: /* Example of Horizontal Navbar */

```
.navbar { background-color: #333; }
```

```
.navbar ul { list-style-type: none; margin: 0; padding: 0; display: flex; /* Horizontal layout */ }
```

```
.navbar ul li a { padding: 16px; text-align: center; text-decoration: none; color: white; }
```

```
.navbar ul li a:hover { background-color: #111; }
```

Vertical Navigation Bar

In a vertical navbar, links are aligned vertically, which is often seen on the left or right side of the page.

Example: `/* Example of Vertical Navbar */`

```
.navbar { width: 200px; /* Fixed width */ background-color: #333; }
```

```
.navbar ul { list-style-type: none; padding: 0; }
```

```
.navbar ul li a { display: block; /* Links take up full width */ color: white; padding: 12px; text-decoration: none; }
```

```
.navbar ul li a:hover { background-color: #575757; }
```

Dropdown Navigation Bar

A navbar with dropdown functionality, typically used to group sub-links under a parent menu item.

Fixed Navigation Bar

- A navbar that remains at the top of the viewport even when scrolling.

Responsive Navigation Bar

To make the navigation bar responsive (i.e., adapt to different screen sizes), CSS media queries are often used. This allows the navbar to collapse into a dropdown or hamburger menu on smaller screens.

Example:

```
/* Make navbar responsive */  
  
@media screen and (max-width: 600px)  
{ .navbar ul { flex-direction: column; /* Stack items vertically */ } }
```



Advanced Features for Navbars

- 1. Responsive Navbars:** Use media queries to adapt the layout for different screen sizes (e.g., hide links on small screens and show a hamburger menu).
- 2. Search Bar in Navbar:** Include an input field for search functionality.
- 3. Icons in Navbar:** Use icon libraries like Font Awesome for visual enhancements.