

Navigation Bars

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Feb 2

Columns can be defined by using:

- a) display : grid
- b) columns

Display:Grid : Every column is individual.

Contents of one column will not span to next column.

Columns : It is used for continous columns.

The content will span to next column when it fits the previous.

Syntax:

```
#Container
{
  columns : 3;
}
```

```
#Container
{
  display:grid;
  grid-template-columns: 2fr 10fr
}
```

Vertical and Horizontal Navigations:

=====

Ex: Vertical Navigation

```
<!DOCTYPE html>
<html>
  <head>
    <title>Columns</title>
    <style>
      nav div {
        border:2px solid red;
        background-color: tomato;
        color:white;
        padding: 5px;
        margin-bottom: 20px;
        width: 150px;
      }
    
```

```
    </style>
</head>
<body>
  <nav>
    <div>Home</div>
    <div>About</div>
    <div>Contact</div>
  </nav>
</body>
</html>
```

Ex: Horizontal Navigation

```
<!DOCTYPE html>
<html>
  <head>
    <title>Columns</title>
    <style>
      nav div {
        border:2px solid red;
        background-color: tomato;
        color:white;
        padding: 5px;
        margin-right: 20px;
        width: 150px;
      }
      nav {
        display: flex;
      }
    </style>
  </head>
  <body>
    <nav>
      <div>Home</div>
      <div>About</div>
      <div>Contact</div>
    </nav>
  </body>
</html>
```

Responsive Navigation:

- Navigation bar must change its orientation according to device screen.

- You can define it by using CSS @media queries

Syntax:

```
@media screen and (orientation:landscape | portrait)
{
}
```

Ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Columns</title>
    <style>
      nav div {
        border:2px solid black;
        background-color: tomato;
        color:white;
        padding: 5px;
        width: 150px;
      }
      @media screen and (orientation: landscape)
      {
        nav {
          display: flex;
        }
        nav div {
          margin-right: 30px;
        }
      }
      @media screen and (orientation: portrait)
      {
        nav {
          display: block;
        }
        nav div {
          margin-bottom: 30px;
        }
      }
    </style>
  </head>
  <body>
    <nav>
      <div>Home</div>
      <div>About</div>
```

```
        <div>Contact</div>
    </nav>
</body>
</html>
```

Adding Icons to Page =====

1. Download and Install "bootstrap icons"

- a) Open Terminal
- b) Switch to Command Prompt
- c) Type the following command

```
> npm install bootstrap-icons --save
```

- 2. All icons are kept in a ".css" file.
- 3. You have to link the CSS file to webpage.
- 4. Every icon will have a class name, you have to apply by using "class" attribute.

```
<div class="bi bi-house">
```

GET Help about icons from "www.getbootstrap.com";

Ex:

- 1. Open Terminal
- > npm install bootstrap-icons --save

2. Go to HTML file and link stylesheet

```
<link rel="stylesheet" href="../../node_modules/bootstrap-icons/font/bootstrap-  
icons.css">
```

3. You can apply icon to any container

```
<span class="bi bi-alarm">  
<div class="bi bi-alarm">
```

Ex:

Position:Fixed
Top, Left, Right, Bottom

```
<!DOCTYPE html>
<html>
  <head>
    <title>Social Bar</title>
    <link rel="stylesheet" href="../node_modules/bootstrap-icons/font/bootstrap-
icons.css">
    <style>
      nav div {
        margin-bottom: 10px;
        color:darkcyan;
      }
      nav {
        position: fixed;
        right: 10px;
        bottom: 0px;
        background-color: rgba(255,255,255,0.7);

        padding: 5px;
      }
    </style>
  </head>
  <body>
    <nav>
      <div class="bi bi-facebook"></div>
      <div class="bi bi-twitter"></div>
      <div class="bi bi-linkedin"></div>
      <div class="bi bi-instagram"></div>
    </nav>
```

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```
</body>
</html>
```

Mouse Over Effect:

- You can apply by using ":hover"

Syntax:

```
div { }          - normal
div :hover { }    - on mouse over
```

Ex:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Navbar</title>
    <link rel="stylesheet" href="../node_modules/bootstrap-icons/font/bootstrap-
icons.css">
    <style>
      nav div {
        border:1px solid red;
        width: 150px;
        margin-bottom: 20px;
        padding: 5px;
        border-radius: 20px;
        background-color: yellow;
        transition: 2s;
      }
      #icon {
        color:red;
        font-weight: bold;
      }
      nav div:hover {
```



```
        background-color: black;
        color:white;
        font-size: 20px;
        transition: 2s;
    }
</style>
</head>
<body>
    <nav>
        <div>
            <span id="icon" class="bi bi-bell"></span> <span>Notifications</span>
        </div>
        <div>
            <span id="icon" class="bi bi-alarm-fill"></span> <span>Alerts</span>
        </div>
        <div>
            <span id="icon" class="bi bi-youtube"></span> <span>Videos</span>
        </div>
    </nav>
</body>
</html>
```