

# Project 199



**DP**  
EDUCATION

# Coding School

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="stylesheet"
8          href="imageOpacity.css">
9      <title>Document</title>
10 </head>
11 <body>
12     <div class="demo-wrap">
13         
18         <div class="text">
19             <h1>Hello World!</h1>
20         </div>
```



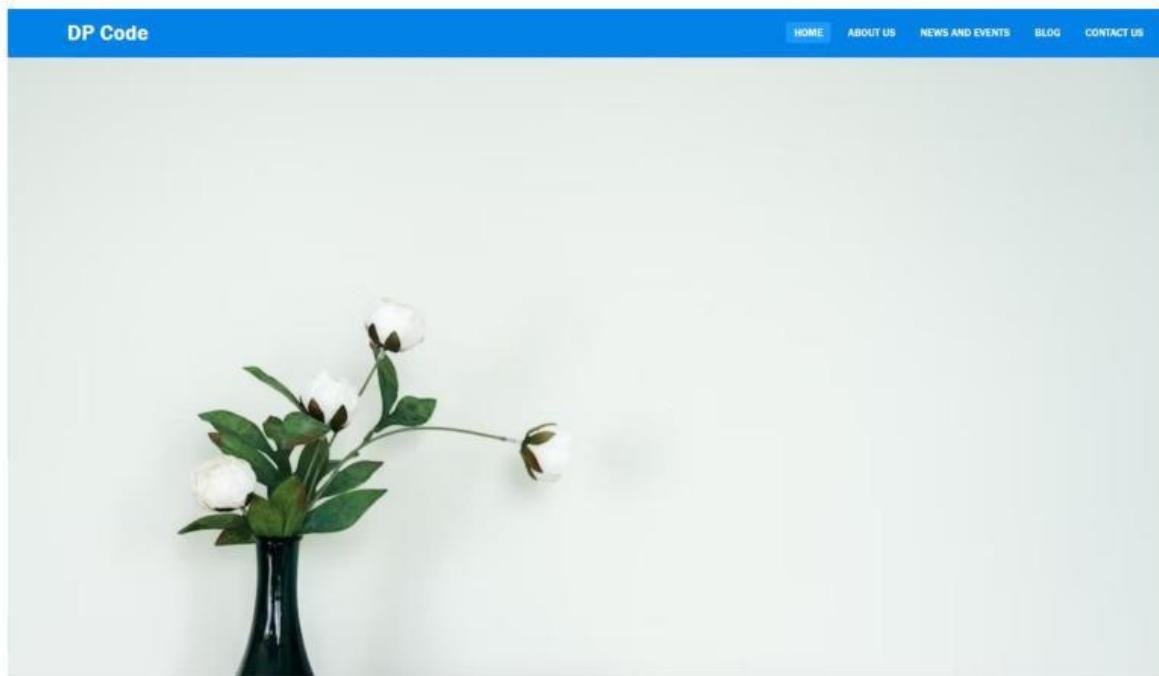
See the webpage



Start here

## Let's see how to create a Responsive Navigation bar using CSS and HTML.

- ❖ By preparing the project here, you can create a part of the web page as follows.



To create a section as above, HTML tags should be created as follows.

- ❖ First of all, prepare the basic tags in the index.html file as follows.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Responsive Navbar</title>
</head>
<body>
</body>
</html>
```

- ❖ Set a meta tag as follows in the head tag.

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

Then prepare the link tag as below below the title tag.

The `<link rel="stylesheet" href="style.css">` is used to add the style file to the html file using this link tag.

In the same way, let's add the file related to the following link to the html file.

<https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css>

The file related to the link should also be added to the html file.

The relevant code to add the style file to the html file and the related file to the link is as follows.

```
<link rel="stylesheet" href="style.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

- ❖ Open a nav tag in the body tag.
- ❖ Open the input tag in that nav tag.
- ❖ Provide checkbox for data type of that input tag. Give one check for its id.
- ❖ Then open a label tag.
- ❖ Then open an i tag and add a class as fa fa-bars.

```
<nav>
  <input type="checkbox" id="check">
  <label for="check" class="checkbtn">
    <i class="fa fa-bars"></i>
  </label>
</nav>
```

- ❖ Open a label tag. Prepare a class as a logo for that label tag. It should appear as DP Code on that label.

```
<label class="logo">DP Code</label>
```

- ❖ Then open a ul tag.
- ❖ Open li tag in ul tag. Open an a tag in that li tag. Create a class as active for the a tag. Make note of Home in the a tag.
- ❖ Open another li tag in the same way. Open an a tag in that li tag. Write About Us in the a tag.
- ❖ Open another li tag in the same way. Open an a tag in that li tag. Record it as News and Events in the a tag.
- ❖ Open another li tag in the same way. Open an a tag in that li tag. Note it as Blog in the a tag.
- ❖ Open another li tag in the same way. Open an a tag in that li tag. Write Contact Us in the a tag.

```
<ul>
  <li><a class="active" href="#">Home</a></li>
  <li><a href="#">About Us</a></li>
  <li><a href="#">News and Events</a></li>
  <li><a href="#">Blog</a></li>
  <li><a href="#">Contact Us</a></li>
</ul>
```

- ❖ Open Section tag after nav close tag.

```
<section></section>
```

Let's now prepare the CSS for this project.

Change the padding, margin, text-decoration, list style, box-sizing in relation to the entire web page as follows.

```
*<
  padding: 0;
  margin: 0;
  text-decoration: none;
  list-style: none;
  box-sizing: border-box;
}<
```

❖ Prepare css for body as below.

```
body{  
    font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;  
}
```

❖ Prepare the following css for the nav tag.

```
nav{  
    background-color: #0082e6;  
    height: 80px;  
    width: 100%;  
}
```

❖ Prepare a class as logo for the label tag as follows.

```
label.logo{  
    color: white;  
    font-size: 35px;  
    line-height: 80px;  
    padding: 0 100px;  
    font-weight: bold;  
}
```

❖ Prepare the CSS for the ul tag inside the nav tag as follows.

```
nav ul{  
    float: right;  
    margin-right: 20px;  
}
```

❖ The nav tag contains the ul tag. Adjust the CSS for the li tag inside the ul tag as follows.

```
nav ul li{  
    display: inline-block;  
    line-height: 80px;  
    margin: 0 5px;  
}
```

❖ The nav tag contains the ul tag. There is a li tag inside that ul tag. Adjust the CSS for the a tag in the li tag as follows.

```
nav ul li a{  
    color: white;  
    font-size: 17px;  
    padding: 7px 13px;  
    border-radius: 5px;  
    text-transform: uppercase;  
}
```

- ❖ When you move to the section related to the a tag and the a tag has a class as active, adjust the CSS as follows.

```
a.active, a:hover{  
    background-color: #1b9bff;  
    transition: .5s;  
}
```

- ❖ Prepare the CSS as follows for the class which is set as checkbtn.

```
.checkbtn{  
    font-size: 30px;  
    color: white;  
    float: right;  
    line-height: 80px;  
    margin-right: 40px;  
    cursor: pointer;  
    display: none;  
}
```

- ❖ Set it as check and set the css as below to get the ID.

```
#check{  
    display: none;  
}
```

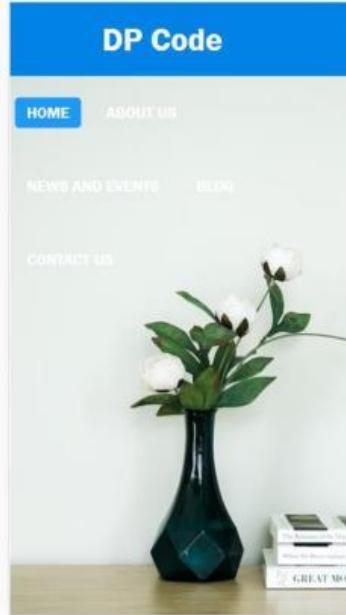
- ❖ Prepare the CSS for Section as follows. Below is the link related to the url added for the background.

<https://cdn.glitch.global/45a82122-91a4-424c-9a7c-849393cf989b/bg1.jpg?v=1704783667001>

Set the Css accordingly.

```
section{  
    background: url(https://cdn.glitch.global/45a82122-91a4-424c-9a7c-849393cf989b/bg1.jpg?v=1704783667001) no-repeat;  
    background-size: cover;  
    height: calc(100vh - 80px);  
}
```

- ❖ The size of devices like Laptop, Phone etc. are different. The size of the web page should change according to the size of the devices. If the size of the web page does not change, this web page will appear as follows on phones.



- ❖ As the size of the devices changes, the size of the web page can be changed to add beauty. For that, prepare the CSS as below.

```

        ,
@media (max-width: 858px){
  .checkbtn{
    display: block;
  }
  ul{
    position: fixed;
    width: 100%;
    height: 100vh;
    background-color: #2c3e50;
    top: 80px;
    left: -100%;
    text-align: center;
    transition: all .5s;
  }
  nav ul li{
    display: block;
    margin: 50px 0;
    line-height: 30px;
  }
  nav ul li a{
    font-size: 20px;
  }
  a:hover, a.active{
    background: none;
    color: #0082e6;
  }
  #check:checked ~ ul{
    left: 0;
  }
}

```

- ❖ When the CSS is prepared in this way, this web page will appear as follows on phones.

