

# Project 184



**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 web page



Glitch

Start here

- ❖ Let's create an Advanced Header for the web page.



- ❖ Basic HTML and CSS codes are prepared in the given project. Click on the Start button above and start the project.
- ❖ Let's decorate the header created in the 183 project and improve its functionalities.
- ❖ First let's create the header to scroll. When the web site is scrolled, the header also moves down.
- ❖ For that, go to the styles file and add css as below to the existing css related to its header tag.

```

7~ header {
8~   background-color: #ff0000;
9~   color: white;
10~  padding: 10px;
11~  display: flex;
12~  justify-content: space-between;
13~  position: fixed;
14~  width: 99%;
15~  top: 0;
16~  z-index: 1000;
17~ }

```

- ❖ Here display:flex creates the elements in the header to be positioned horizontally.
- ❖ Justify-content:space-between creates space between the elements.
- ❖ Position:fixed sets the position of the header tag to be in one place throughout the web page.
- ❖ Width indicates how long the header should be displayed on the web page.
- ❖ top:0 removes the default margin at the top of the web page for the header and displays the header at the top of the web page.
- ❖ Z-index: 1000 sets the header to appear above all other elements when scrolling.
- ❖ When created in this way, when you scroll the web page, the back header will also come.

- ❖ Then update the header tag in the index.html file as follows to create the logo on the left side of the header. Add the image related to the logo you want to use to the assets folder.



As in previous projects, copy the URL of the added image and paste it for src. All the images related to this web page are included in the assets folder of the project given to you.

```

10<header>
11<div>
12  
17</div>
18<div class="header-text">
19  <h1>DP Education Digital School</h1>
20  <p>A School for Life</p>
21</div>
22<div>
23  <button class="login-button">Login</button>
24</div>
25</header>

```

- ❖ Add the img tag in the red box above to the header tag. For that add a class name "logo".
- ❖ Now let's create styles for the logo class name and adjust the logo accordingly.
- ❖ Now let's create styles for the logo class name and adjust the logo accordingly.

```

21<.logo {
22  max-width: 100px;
23  height: auto;
24  margin-right: 20px;
25 }

```

- ❖ Now let's design the text in the middle of the header.

Let's add text in the h1 tag and div tag as per the above html section.

```
10<header>
11  <div>
12    
17  </div>
18  <div class="header-text">
19    <h1>DP Education Digital School</h1>
20    <p>A School for Life</p>
21  </div>
22  <div>
23    <button class="login-button">Login</button>
24  </div>
25</header>
```

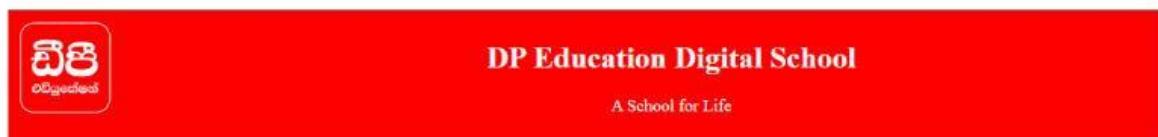
Using two h1 and p tags in the div tag with the class name header-text, the web page can display the name and slogan of the relevant organization.

- ❖ The css related to the class name header-text is as follows.

```
.header-text {
  text-align: center;
}
```

This aligns all the text in the div tag to the middle.

- ❖ When you create it like this, the header looks like this.



- ❖ Now let's see how to create the login button on the right.
- ❖ We can create a login button using a button tag in a div tag as shown in the above html section.

```
10<header>
11  <div>
12    
17  </div>
18  <div class="header-text">
19    <h1>DP Education Digital School</h1>
20    <p>A School for Life</p>
21  </div>
22  <div>
23    <button class="login-button">Login</button>
24  </div>
25</header>
```

- ❖ Let's see how to design the button created in this way by styles as follows. For that, use the login-button class name given to the button and add CSS as below.

```

26. .login-button {
27.   width: 80px;
28.   height: 30px;
29.   border: 2px solid white;
30.   background-color: rgb(255,255,255,0);
31.   border-radius: 10px;
32.   color: white;
33. }

```

- ❖ The length and width of the button is marked by width & height. They are 80px, 30px respectively. You can change the number of pixels as needed and create a button of the required size.
- ❖ Then the outline of the button is created by the border. Here, the width of the outline is set to 2px, the line style is set to solid, and the color of the outline is set to white. You can change the color and width as you want.
- ❖ background-color: rgb(255,255,255,0) sets the background color of the button. Here the background color of the button is transparent. It is not available in any color. For that, another value is added after rgb color 3 which is used in providing the background color. The opacity can be changed by changing the value from 0 to 100. When 0 is given, transparency is maximum.

වර්ණයක් ලබාදීමට  
අදාළ වර්ණ කෙත.

Transparent කිරීමට  
අදාළ අය දැක්වීම.

**background-color: rgb(255,255,255,0);**

- ❖ The next style, border-radius, will round the 4 corners of the button. Roundness increases according to the number of pixels given to it.
- ❖ Color sets the font color of the button. Here the font color is given as white color.
- ❖ Then you can create a button like this.
- ❖ To make the created button more attractive, when the mouse is brought to it (mouseover), let's set the background color and font color to change..
- ❖ For that, show an event called hover in the class name login-button in the css file as below.

```

34. .login-button:hover {
35.   background-color: white;
36.   color: black;
37.   cursor:pointer
38. }

```

- ❖ Adjust the css as below to change the font size of the p tag under the name of the header.

```
39w .header-text p {  
40   font-size: 18px;  
41 }
```