

Introduction to Bootstrap | Cheat Sheet

1. Reusability of CSS Rulesets

If we want the same style for multiple HTML elements, we can write the CSS Ruleset once and use it for different HTML elements.

```
1 .button {  
2   width: 138px;  
3   height: 36px;  
4   border-width: 0px;  
5   border-radius: 10px;  
6 }
```

CSS

```
1 <button class="button">Get Started</button>  
2 <button class="button">Visit Now</button>
```

HTML

2. Multiple class names as an HTML attribute value

We can provide multiple class names separated by space as a value to the HTML class attribute.

Syntax: `<tag class = "name1 name2 name3 name4 ...">Content</tag>`

HTML attribute value: `name1 name2 name3 name4 ...`

class names: `name1` , `name2` , `name3` , and `name4`

```
1 .button {  
2   width: 138px;  
3   height: 36px;  
4   border-width: 0px;  
5   border-radius: 10px;  
6 }  
7 .button-green {  
8   background-color: #8cc63f;  
9 }
```

```
1 <button class="button button-green">Get Started</button>
```

<> 7.1.IntroductionToBootstrap.html > html > body > button.button2

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <style>
5        .button1 {
6          height: 25px;
7          width: 150px;
8          border-style: dashed;
9          border-width: 2px;
10         border-radius: 3px;
11         border-color: black;
12         background-color: blueviolet;
13       }
14       .button2 {
15         height: 25px;
16         width: 150px;
17         border-style: dashed;
18         border-width: 2px;
19         border-radius: 3px;
20         border-color: black;
21         background-color: aqua;
22       }
23     </style>
24   </head>
25   <body>
26     <button class="button1">Started</button>
27     <button class="button2">Visit</button>
28   </body>
29 </html>
30
```

File file:///G:/WEB/7.1.IntroductionToBootstrap.html

Started

Visit

3.1 How to use Bootstrap?

To use the Code Snippets provided by Bootstrap, we need to add the below piece of code within the HTML `head` element. We call it **BootstrapCDN**.

```
i 1 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-
2 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy
3 <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2
4 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgT
```

3.2 Predefined Styles in Bootstrap

3.2.1 Button

The Bootstrap class name `btn` is used to style the HTML `button` element.

```
i 1 <button class="btn">Submit</button>
```

```
<link
  rel="stylesheet"
  href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.
css"
  integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
  crossorigin="anonymous"
/>
<script
  src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
  integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
  crossorigin="anonymous"
></script>
<script
  src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
  integrity="sha384-
9/reFTGAW83EW2RDu2S0VKAiZap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN"
  crossorigin="anonymous"
></script>
<script
  src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js
```

```

        integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUt0Bvf08shuf57BaghqFfPLYxoFvL8/KUEfYiJOMMV+rV"
        crossorigin="anonymous"
    ></script>

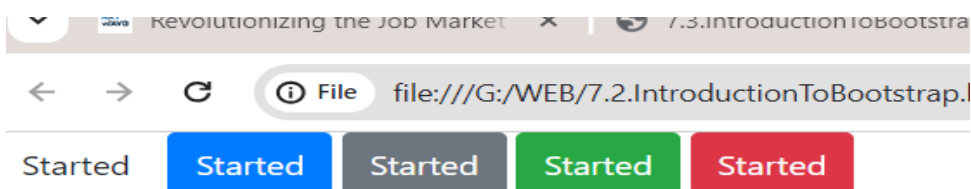
```

To achieve the different button styles, Bootstrap has the following class names.

```

<!DOCTYPE html>
<html>
  <head>
    <link
      rel="stylesheet"
      href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
      integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZONIxN0hoP+VmmDGMN5t9UJ0Z"
      crossorigin="anonymous"
    />
    <script
      src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
      integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
      crossorigin="anonymous"
    ></script>
    <script
      src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
      integrity="sha384-9/reFTGAW83EW2RDu2S0VKA1Zap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN"
      crossorigin="anonymous"
    ></script>
    <script
      src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
      integrity="sha384-B4gt1jrGC7Jh4AgTPSdUt0Bvf08shuf57BaghqFfPLYxoFvL8/KUEfYiJOMMV+rV"
      crossorigin="anonymous"
    ></script>
  </head>
  <body>
    <button class="btn">Started</button>
    <button class="btn btn-primary">Started</button>
    <button class="btn btn-secondary">Started</button>
    <button class="btn btn-success">Started</button>
    <button class="btn btn-danger">Started</button>
  </body>
</html>

```

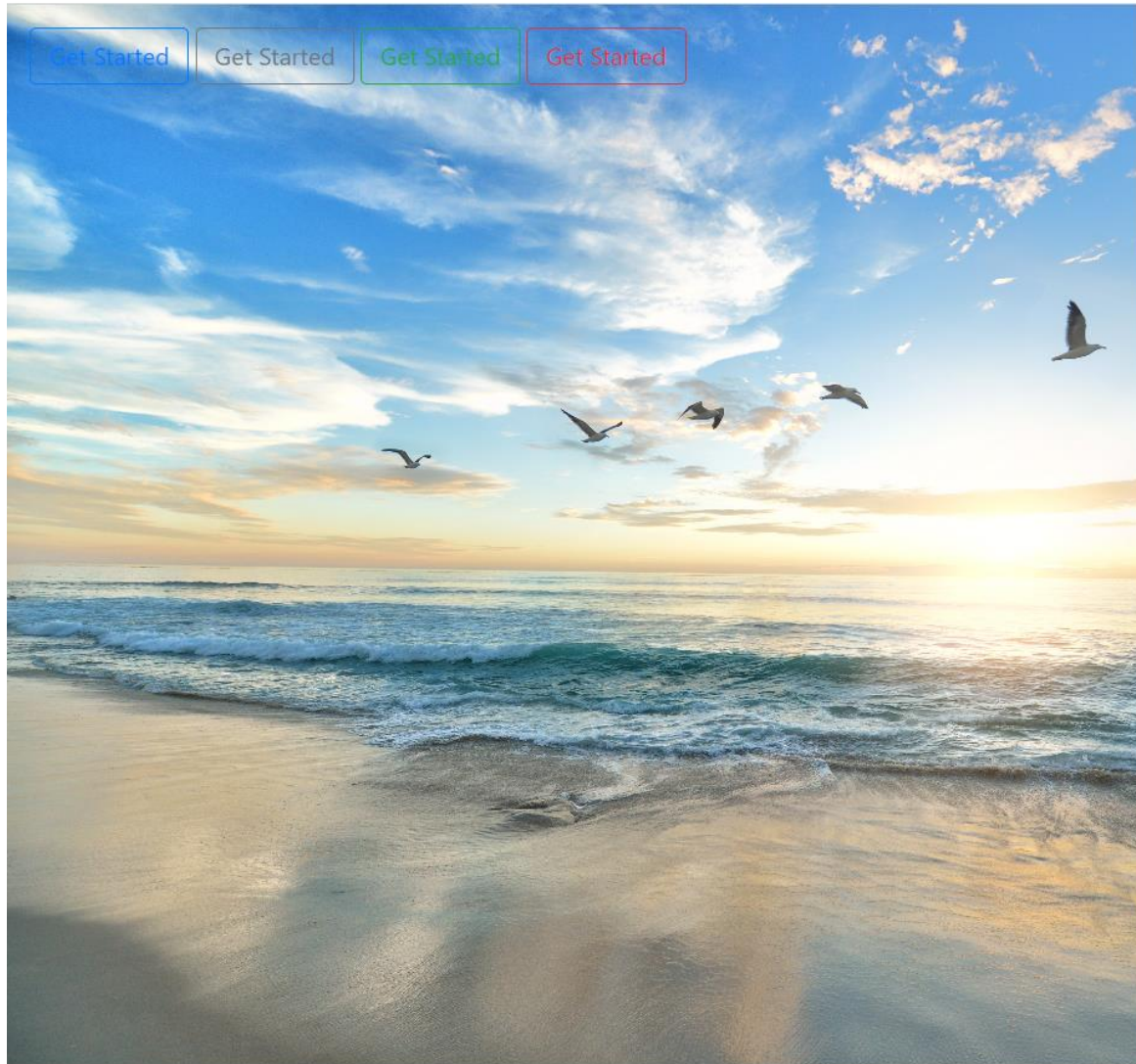


Bootstrap provides us with different types of buttons. One of them is **outline buttons**, which don't have a background color.

To add the outline buttons in our HTML document, just replace `btn` in the above class names with the `btn-outline` .

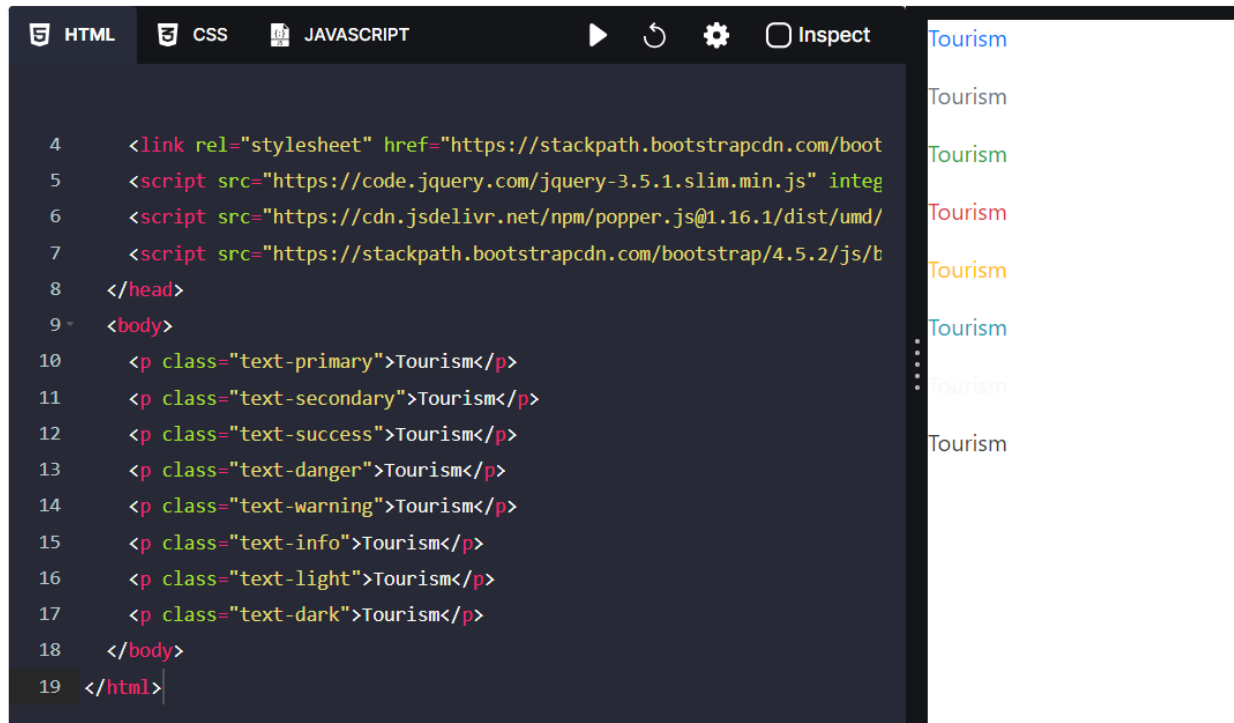
To achieve the different outline button styles, Bootstrap has the following class names:

```
11     src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
12     integrity="sha384-Dfxdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
13     crossorigin="anonymous"
14 ></script>
15 <script
16     src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
17     integrity="sha384-9/reFTGAW83EW2RDu2S0VKA1Zap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN"
18     crossorigin="anonymous"
19 ></script>
20 <script
21     src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
22     integrity="sha384-B4gt1jrGC7Jh4AgTPSdUt0Bvf08shuf57BaghqFfPLYxofvL8/KUEfYiJOMMV+rV"
23     crossorigin="anonymous"
24 ></script>
25 <style>
26     .bg1 {
27         background-image: url("ocean.jpg");
28         height: 700px;
29         width: 750px;
30         background-size: cover;
31         padding-top: 15px;
32         padding-left: 15px;
33     }
34 </style>
35 </head>
36 <body>
37     <div class="bg1">
38         <button class="btn btn-outline-primary">Get Started</button>
39         <button class="btn btn-outline-secondary">Get Started</button>
40         <button class="btn btn-outline-success">Get Started</button>
41         <button class="btn btn-outline-danger">Get Started</button>
42     </div>
43 </body>
44 </html>
45
```



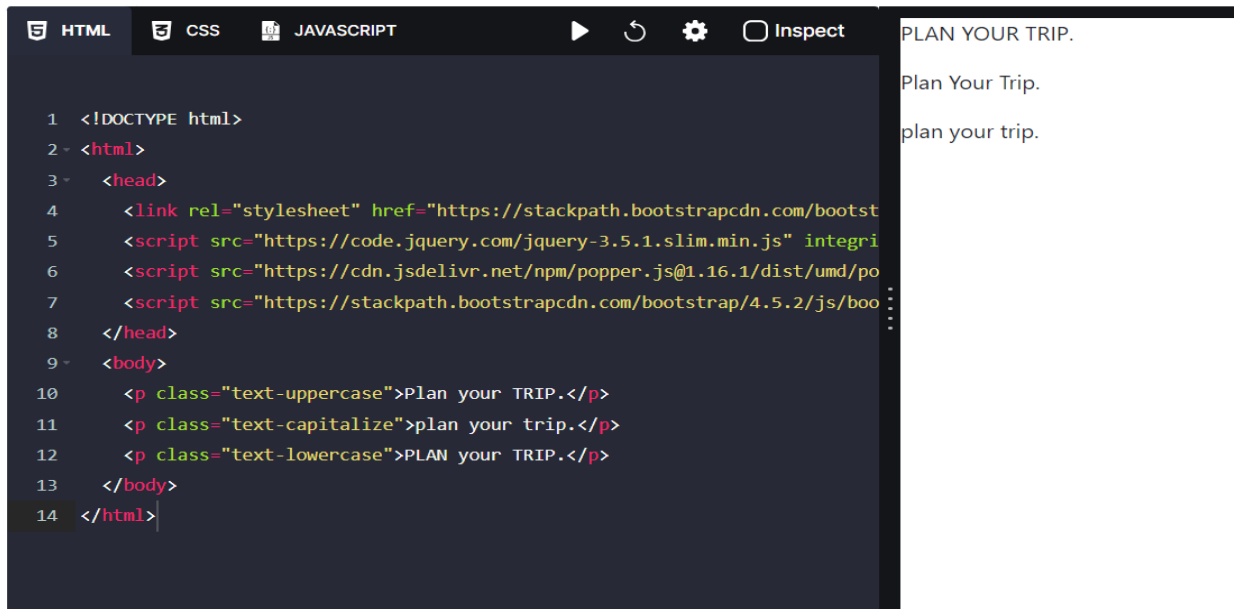
3.2.2 Text colors

To apply different colors to the text, Bootstrap has the following class names:



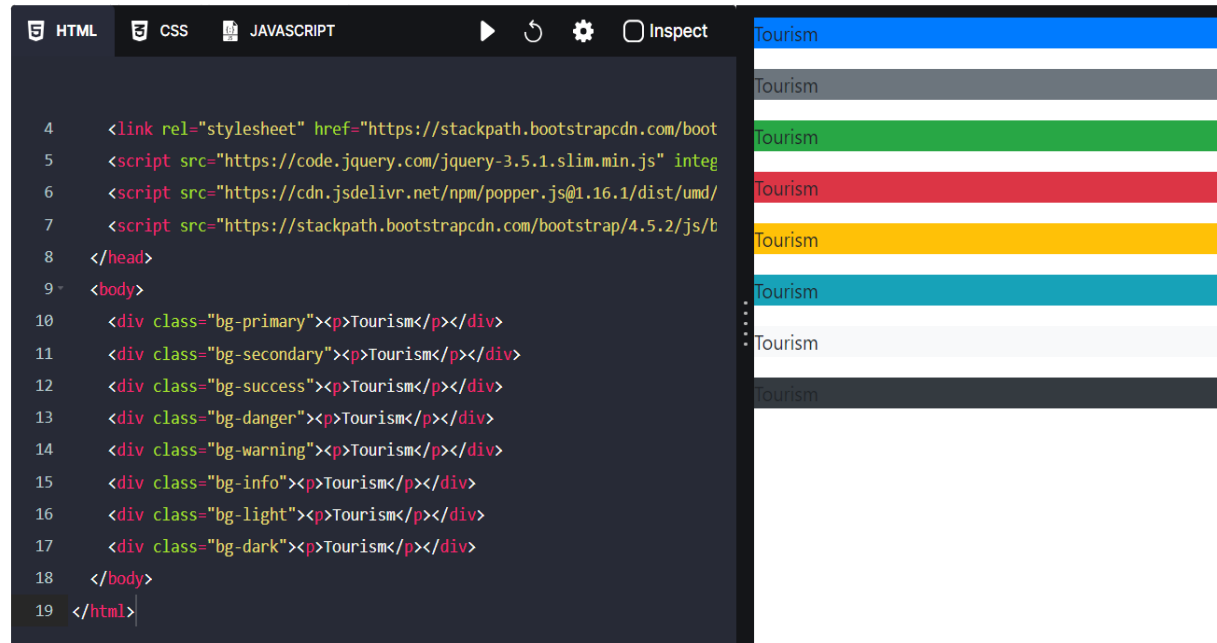
3.2.3 Text transform

To apply different cases like upper case, lower case, etc. to the text, Bootstrap has the following class names:



3.2.4 Background colors

To apply different background colors to an HTML element, Bootstrap has the following class names:



Bootstrap provides us with many predefined class names. Some of them are:

```

7.3.IntroductionToBootstrap.html > html > body > div.bg1 > h1.heading1
16   src="https://cdn.jsdelivr.net/npm/popper@1.16.1/dist/umd/popper.min.js"
17   integrity="sha384-9/reFTGAW83EW2RDu2S0VKA1Zap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
18   crossorigin="anonymous"
19 ></script>
20 <script
21   src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
22   integrity="sha384-B4gt1jrGC7Jh4AgTPSdU0BvF08shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV"
23   crossorigin="anonymous"
24 ></script>
25 <style>
26   .bg1 {
27     background-color: aqua;
28     text-align: center;
29   }
30   .heading1 {
31     font-family: "Verdana";
32     font-size: 25px;
33     color: red;
34     font-weight: 500;
35     font-style: normal;
36     text-decoration: underline;
37   }
38 </style>
39 </head>
40 <body>
41   <div class="bg1">
42     <h1 class="heading1">Tourism</h1>
43     <p>Where do you wanted to go for your holidays</p>
44     <button class="btn btn-outline-primary">Get Started</button>
45   </div>
46 </body>
47 </html>

```

