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.

CSS

```css
.button {
  width: 138px;
  height: 36px;
  border-width: 0px;
  border-radius: 10px;
}
```

HTML

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

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:

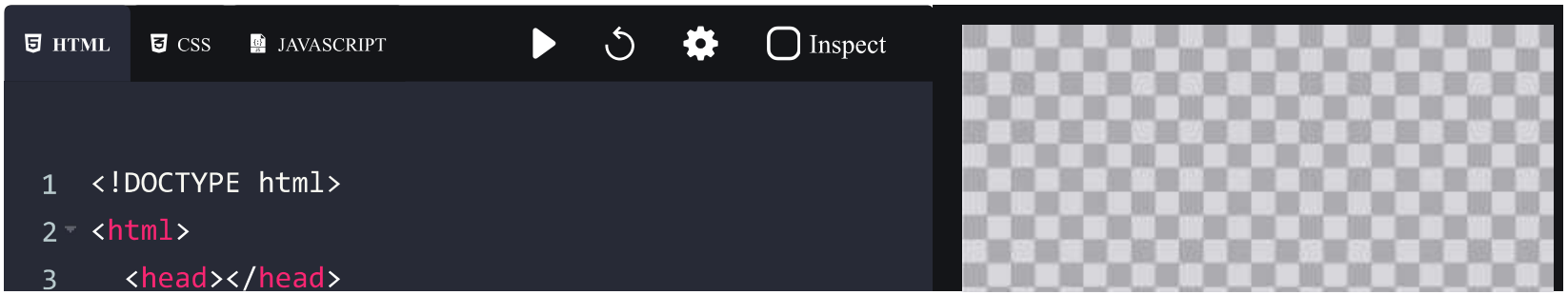
`name1` , `name2` , `name3` , and `name4`

CSS

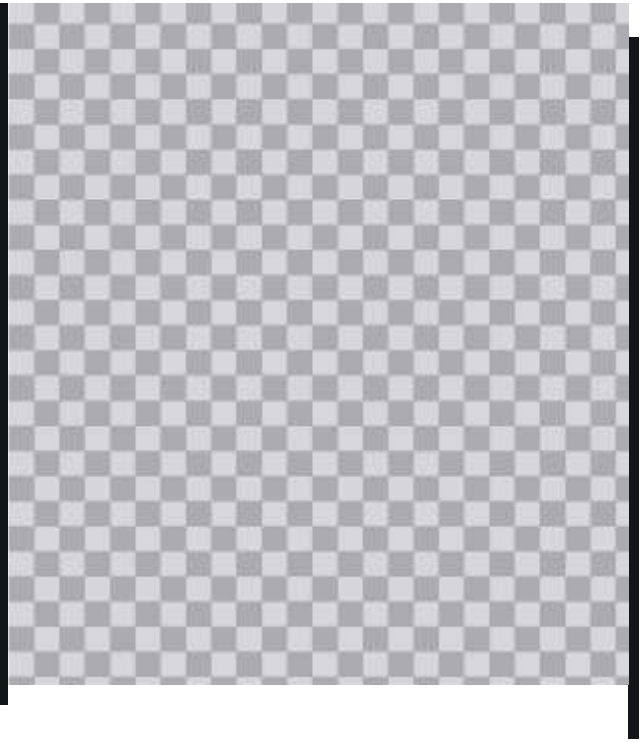
```css
.button {
  width: 138px;
  height: 36px;
  border-width: 0px;
  border-radius: 10px;
}
.button-green {
  background-color: #8cc63f;
}
```

HTML

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



```
  <body>
    <button class="button button-green">Get Starte
    <button class="button button-orange">Visit Now
  </body>
</html>
```



3. Bootstrap

Bootstrap is a large collection of predefined reusable Code Snippets written in HTML, CSS, and Javascript. The Code Snippets include Buttons, Cards, Carousels, etc.

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**.

HTML

```
1  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootst
```

```
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htP
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integri
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integ
```

3.2 Predefined Styles in Bootstrap

3.2.1 Button

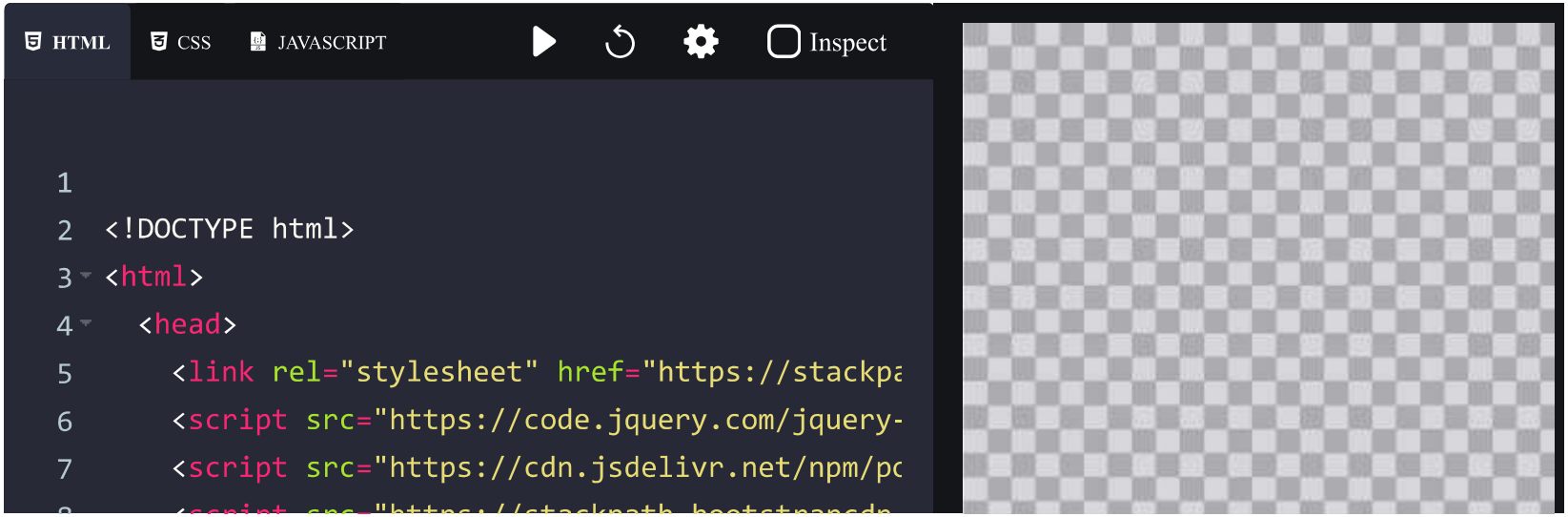
The Bootstrap class name

`btn` is used to style the HTML `button` element.

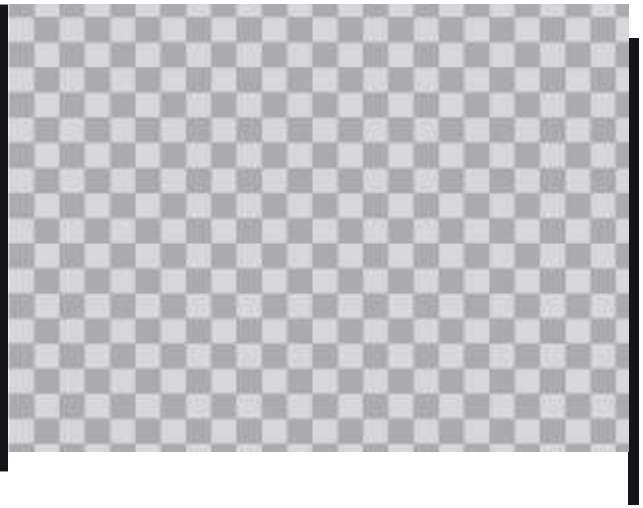
HTML

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

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



```
    <script src="https://stackpath.bootstrapcdn.
  </head>
  <body>
    <button class="btn btn-primary">Get Started<
    <button class="btn btn-secondary">Get Starte
    <button class="btn btn-success">Get Started<
    <button class="btn btn-danger">Get Started</
    <button class="btn btn-warning">Get Started<
    <button class="btn btn-info">Get Started</bu
    <button class="btn btn-light">Get Started</b
```



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

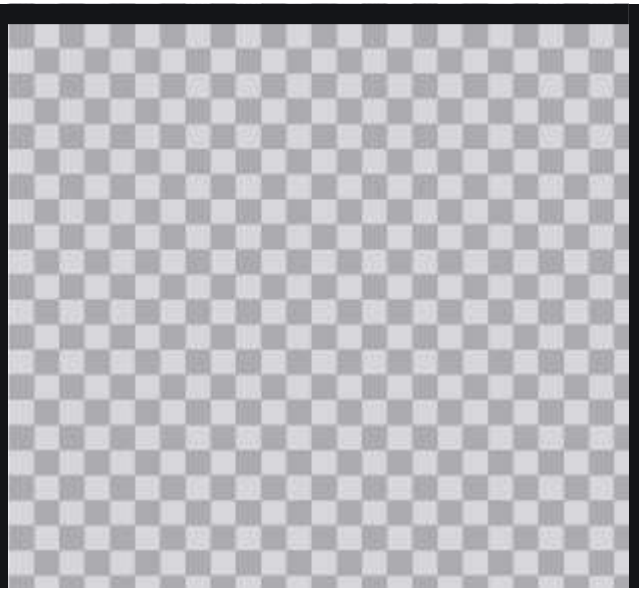
To add the outline buttons in our HTML document, just replace

`btn` in the above class names with the `btn-outline` .

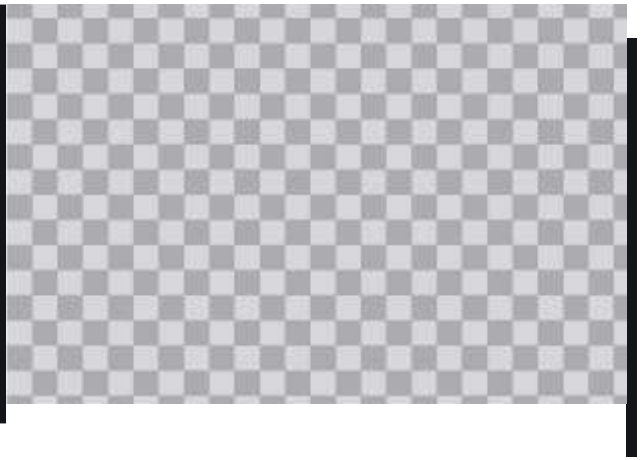
To achieve the different outline button styles, Bootstrap has the following class names:

HTML CSS JAVASCRIPT Inspect

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="https://stackpa
    <script src="https://code.jquery.com/jquery-
    <script src="https://cdn.jsdelivr.net/npm/pc
    <script src="https://stackpath.bootstrapcdn.
  </head>
```



```
<body>
  <button class="btn btn-outline-primary">Get
  <button class="btn btn-outline-secondary">Ge
  <button class="btn btn-outline-success">Get
  <button class="btn btn-outline-danger">Get S
  <button class="btn btn-outline-warning">Get
  <button class="btn btn-outline-info">Get Sta
  <button class="btn btn-outline-light">Get St
  <button class="btn btn-outline-dark">Get Sta
```



Note

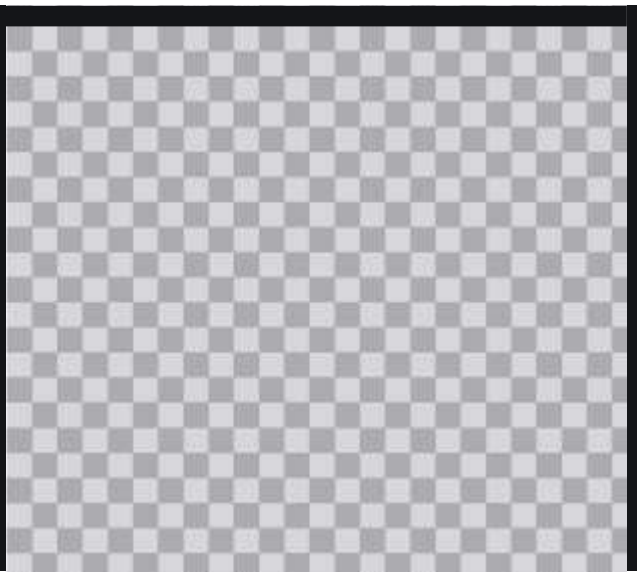
By default, Bootstrap class name `btn` has no background color.

3.2.2 Text colors

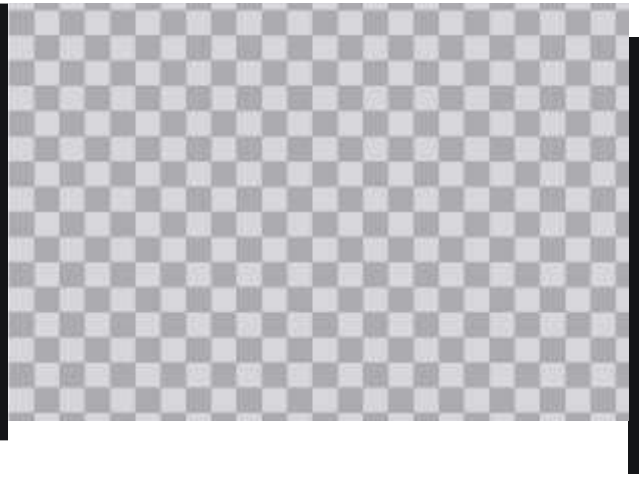
To apply different colors to the text, Bootstrap has the following class names:

HTML CSS JAVASCRIPT Inspect

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="https://stackpa
    <script src="https://code.jquery.com/jquery-
    <script src="https://cdn.jsdelivr.net/npm/pc
    <script src="https://stackpath.bootstrapcdn.
  </head>
```



```
<body>
  <p class="text-primary">Tourism</p>
  <p class="text-secondary">Tourism</p>
  <p class="text-success">Tourism</p>
  <p class="text-danger">Tourism</p>
  <p class="text-warning">Tourism</p>
  <p class="text-info">Tourism</p>
  <p class="text-light">Tourism</p>
  <p class="text-dark">Tourism</p>
```

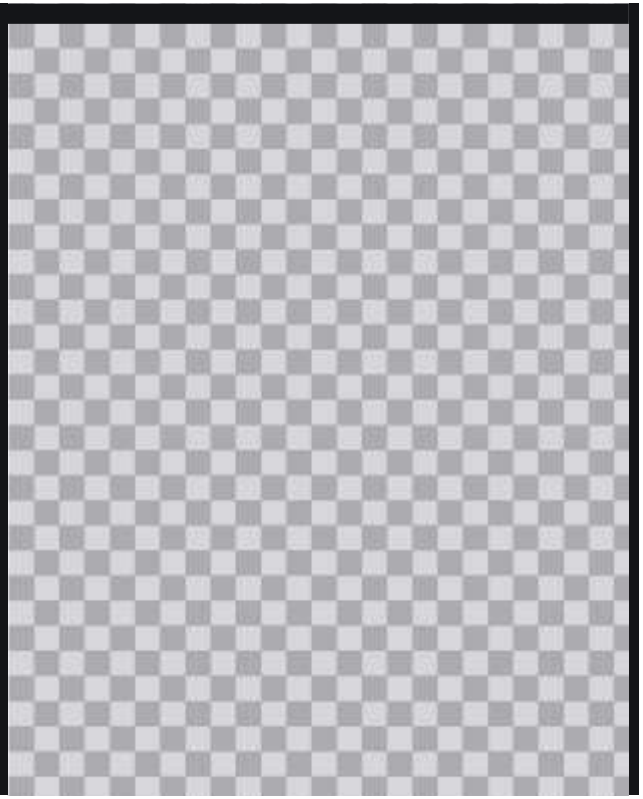


3.2.3 Text transform

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

HTML CSS JAVASCRIPT Inspect

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="https://stackpath
    <script src="https://code.jquery.com/jquery-3.
    <script src="https://cdn.jsdelivr.net/npm/popp
    <script src="https://stackpath.bootstrapcdn.co
  </head>
  <body>
    <p class="text-uppercase">Plan your TRIP.</p>
    <p class="text-capitalize">plan your trip.</p
    <p class="text-lowercase">PLAN your TRIP.</p>
  </body>
```



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

3.2.4 Background colors

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

HTML CSS JAVASCRIPT Inspect

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="https://stackpa
    <script src="https://code.jquery.com/jquery-
    <script src="https://cdn.jsdelivr.net/npm/pc
    <script src="https://stackpath.bootstrapcdn.
  </head>
  <body>
    <div class="bg-primary"><p>Tourism</p></div>
    <div class="bg-secondary"><p>Tourism</p></di
    <div class="bg-success"><p>Tourism</p></div>
    <div class="bg-danger"><p>Tourism</p></div>
    <div class="bg-warning"><p>Tourism</p></div>
    <div class="bg-info"><p>Tourism</p></div>
    <div class="bg-light"><p>Tourism</p></div>
    <div class="bg-dark"><p>Tourism</p></div>
```

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

- card
- carousel
- alert
- alert-success
- alert-link
- bg-danger
- card-body and many more...

You can find the list of class names provided by the bootstrap **here**

Warning

Using predefined bootstrap class names as a selector in our CSS Ruleset may give unexpected results.

Do's

CSS

```css
.button {
  border-radius: 5px;
  height: 50px;
  width: 138px;
  background-color: blue;
  color:white;
}
```

HTML

```html
<button class="button">Get Started</button>
```

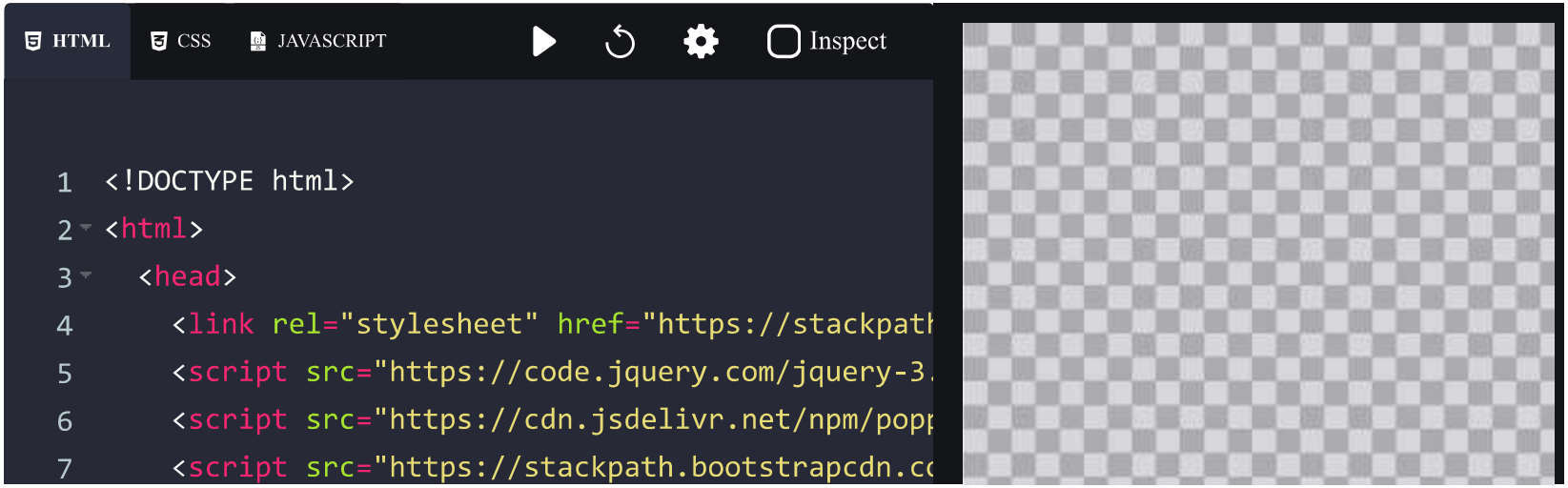
Dont's

CSS

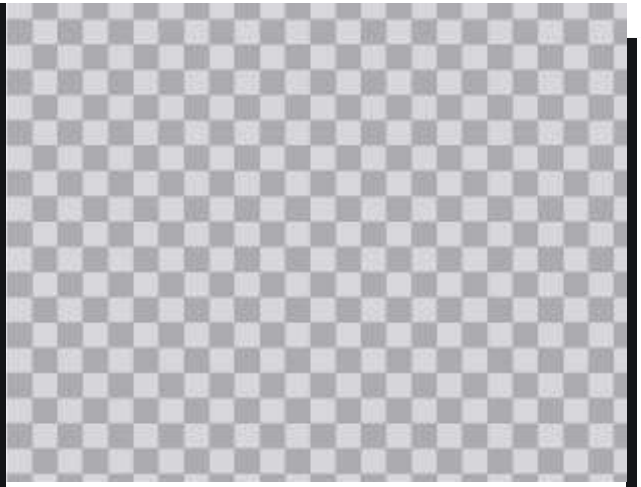
```css
.btn {
  border-radius: 5px;
  height: 50px;
  width: 138px;
  background-color: blue;
  color:white;
}
```

HTML

```html
<button class="btn">Get Started</button>
```



```
  </head>
  <body>
    <div class="bg-warning text-center">
      <h1 class="text-primary">Tourism</h1>
      <p class="text-lowercase">PLAN your TRIP.</p
      <button class="btn btn-primary">Get Started
    </div>
  </body>
</html>
```



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