# Introduction to HTML | Cheat Sheet

1. Basic Structure

The basic structure of any HTML document is as follows:



<!DOCTYPE html>

<html>

<head></head>

<body>

Your code goes here

</body>

</html>

HTML

2. Heading Element

The HTML

h1

element defines a main heading.



1

<h1>Tourism</h1>

HTML

3. Paragraph Element

The HTML

p

element defines a paragraph.



1

<p>Plan your trip wherever you want to go</p>

HTML

4. Button Element

The HTML

button

element defines a button.

<button>Get Started</button>

# **Introduction to CSS | Part 1 | Cheat Sheet**

## HTML Elements

### **1. Container Element**

The HTML

div

element defines a container.



1

2

3

4

5

<div>

<h1>Tourism</h1>

<p>Plan your trip wherever you want to go</p>

<button>Get Started</button>

</div>

HTML

## CSS Properties

### **2. Syntax**



selector {

property1: value1;

property2: value2;

}

### **3. Text Align**

The CSS

text-align

property specifies the horizontal alignment of the text in an HTML element.



1

2

3

.h-center {

*text-align*: center;

}

CSS

| Value | Description |
| --- | --- |
| center | Aligns the text to the center |
| left | Aligns the text to the left |
| right | Aligns the text to the right |

## CSS Text Properties

### **1. Color**

The CSS

color

property specifies the color of the text.



.main-heading {

*color*: blue;

}

.paragraph {

*color*: grey;

}

CSS**Introduction to CSS | Part 3 | Cheat Sheet**

## 1. Font Family

The CSS

font-family

property specifies the font for an element.



@import url("https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@400;700&family=Lobster&family=Monoton&family=Open+Sans:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,700;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=Source+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,wght@0,400;0,700;1,700&display=swap");

.main-heading {

*font-family*: "Roboto";

}

.paragraph {

*font-family*: "Roboto";

}

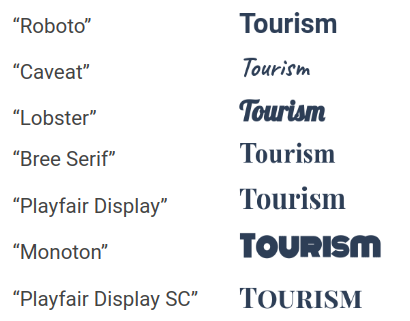
CSS

You can use one of the below values of the

font-family

property,

### **Value**



**Note**

1. To use font families, you need to import their style sheets into your CSS file.
2. There shouldn't be any spelling mistakes in the values of the

font-family

 property.

1. There must be quotations around the value of the

font-family

 property.

## 2. Font Size

The CSS

font-size

property specifies the size of the font.



.main-heading {

*font-size*: 36px;

}

.paragraph {

*font-size*: 28px;

}

CSS

**Note**

1. You must add

px

 after the number in the value of the

font-size

 property.

1. There shouldn't be any space between the number and

px

.

1. There shouldn't be any quotations around the value of the

font-size

 property.

## 3. Font Style

The CSS

font-style

property specifies the font style for a text.

You can use one of the below values of the

font-style

property,

| Value |
| --- |
| normal |
| italic |
| oblique |



.main-heading {

*font-style*: italic;

}

.paragraph {

*font-style*: normal;

}

CSS

**Note**

1. There shouldn't be any spelling mistakes in the values of the

font-style

 property.

1. There shouldn't be any quotations around the value of the

font-style

 property.

## 4. Font Weight

The CSS

font-weight

property specifies how thick or thin characters in text should be displayed.



.main-heading {

*font-weight*: bold;

}

.paragraph {

*font-weight*: 200;

}

CSS

You can use one of the below values of the

font-weight

property,

| Value |
| --- |
| normal |
| bold |
| bolder |
| lighter |
| 100 |
| 200 |
| 300 |
| 400 |
| 500 |
| 600 |
| 700 |
| 800 |
| 900 |

**Note**

1. There shouldn't be any spelling mistakes in the values of the

font-weight

 property.

1. There shouldn't be any quotations around the value of the

font-weight

 property.

1. The numerical values given to the

font-weight

 property must be in the range from

100

 to

900

 and should be the multiples of

100

.

## 5. Text Decoration

The CSS

text-decoration

property specifies the decoration added to the text.



.main-heading {

*text-decoration*: underline;

}

.paragraph {

*text-decoration*: overline;

}

CSS

You can use one of the below values of the

text-decoration

property,

| Value | Description |
| --- | --- |
| underline | Underline the text |
| line-through | Strike through the text |
| overline | Overline the text |

**Note**

1. There shouldn't be any spelling mistakes in the values of the

text-decoration

 property.

1. There shouldn't be any quotations around the value of the

text-decoration

 property.

1. Ensure that

text-decoration

 and

line-through

 are hyphenated.

#### Sample Colors

| Value |
| --- |
| blue |
| grey |
| lightblue |
| orange |
| red |
| green |

## CSS Background Properties

### **2. Background Color**

The CSS

background-color

property specifies the background color of an HTML element.



.card {

*background-color*: lightblue;

}

# **Introduction to CSS Box Model | Part 1 | Cheat Sheet**

## CSS Box Properties

### **1. Height**

The CSS

height

property specifies the height of an HTML element.



.card {

*height*: 200px;

}

CSS

### **2. Width**

The CSS

width

property specifies the width of an HTML element.



1

2

3

.card {

*width*: 250px;

}

CSS

## CSS Background Properties

### **1. Background Image**

The CSS

background-image

property specifies the background image of an HTML element.



.card {

*background-image*: url("https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/ocean.jpg");

}

CSS

| Value | Description |
| --- | --- |
| url (URL) | The URL to the image. |

**Warning**

1. The background image takes the height of the content of an HTML element if you don't specify the height to it.
2. The URL given to the

background-image

 must be a valid URL to display the image.

### **2. Background Size**

The CSS

background-size

property specifies the size of the background image of an HTML element.



.card {

*background-size*: cover;

}

CSS

| Value | Description |
| --- | --- |
| cover | Scales the image to the smallest size while maintaining the same aspect ratio (width/height) and covers the entire width and height even if the image is cropped. |

**Note**

Aspect Ratio is the ratio of the width and height (width/height) of an image.

# **Introduction to CSS Box Model | Part 2 | Cheat Sheet**

## CSS Box Properties

### **1. Border Width**

The CSS

border-width

property specifies the width of the border for all four sides of an HTML element.



1

2

3

.button {

*border-width*: 2px;

}

CSS

The CSS Property and value pair

border-width: 0px;

removes the border of an HTML element.

**Warning**

Specifying the CSS

border-style

 property for an HTML element is mandatory. Otherwise, the CSS properties like

border-color

,

border-width

 will not appear in the browser. The HTML

button

 element is an exception as it appears with a border in the browser by default.

### **2. Border Radius**

The CSS

border-radius

property specifies the roundness of the corners of an HTML element.



.button {

*border-radius*: 20px;

}

CSS

You can use the below CSS properties to round a specific corner of an HTML element.

| Property |
| --- |
| border-top-left-radius |
| border-top-right-radius |
| border-bottom-left-radius |
| border-bottom-right-radius |

**Quick Tip**

Specifying the background color for an HTML element makes the border radius more visible.

### **3. Border Color**

The CSS

border-color

property specifies the color of the border for all four sides of an HTML element.



.button {

*border-color*: orange;

}

CSS

**Warning**

Specifying the CSS

border-style

 property for an HTML element is mandatory. Otherwise, the CSS properties like

border-color

,

border-width

 will not appear in the browser. The HTML

button

 element is an exception as it appears with a border in the browser by default.

### **4. Border Style**

The CSS

border-style

property specifies the style of the border for all four sides of an HTML element.



.button {

*border-style*: dashed;

}

CSS

You can use one of the below values of the CSS

border-style

property.

| Value |
| --- |
| dotted |
| dashed |
| solid |
| none (default) |

### **5. Padding**

The CSS

padding

property specifies the space around the content of an HTML element.



.card {

*padding*: 10px;

}

CSS

## CSS Colors

### **1. Hex Code**

CSS Colors can be represented in multiple ways:

* Color names
* Hex Code
* HSL
* RGB and many more...

Since few colors have the Color names, Hex Codes make a good alternative to pick a wide variety of colors.

Some of the Color names and their Hex Codes are:

| Color Name | Hex Code |
| --- | --- |
| orange | #ffa500 |
| red | #ff0000 |
| blue | #0000ff |
| green | #008000 |
| - | #012d36 |
| - | #432711 |
| - | #25b1cc |



.button {

*background-color*: #25b1cc;

}

# **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.



.button {

*width*: 138px;

*height*: 36px;

*border-width*: 0px;

*border-radius*: 10px;

}

CSS

2

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

<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



.button {

*width*: 138px;

*height*: 36px;

*border-width*: 0px;

*border-radius*: 10px;

}

.button-green {

*background-color*: #8cc63f;

}

CSS



1

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

HTML

**HTML**

CSS

JAVASCRIPT

Inspect



<!DOCTYPE html>

<html>

<head></head>

<body>

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

<button class="button button-orange">Visit Now</button>

</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**.



<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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

HTML

### **3.2 Predefined Styles in Bootstrap**

#### 3.2.1 Button

The Bootstrap class name

btn

is used to style the HTML

button

element.



1

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

HTML

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

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<button class="btn btn-primary">Get Started</button>

<button class="btn btn-secondary">Get Started</button>

<button class="btn btn-success">Get Started</button>

<button class="btn btn-danger">Get Started</button>

<button class="btn btn-warning">Get Started</button>

<button class="btn btn-info">Get Started</button>

<button class="btn btn-light">Get Started</button>

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



<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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<button class="btn btn-outline-primary">Get Started</button>

<button class="btn btn-outline-secondary">Get Started</button>

<button class="btn btn-outline-success">Get Started</button>

<button class="btn btn-outline-danger">Get Started</button>

<button class="btn btn-outline-warning">Get Started</button>

<button class="btn btn-outline-info">Get Started</button>

<button class="btn btn-outline-light">Get Started</button>

<button class="btn btn-outline-dark">Get Started</button>

</body>

</html>

**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



<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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</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>

</body>

</html>

#### 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.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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</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>

</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://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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="bg-primary"><p>Tourism</p></div>

<div class="bg-secondary"><p>Tourism</p></div>

<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



.button {

border-radius: 5px;

height: 50px;

width: 138px;

background-color: blue;

color:white;

}

CSS



1

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

HTML

##### Dont's

**

*.btn {*

*border-radius: 5px;*

*height: 50px;*

*width: 138px;*

*background-color: blue;*

*color:white;*

*}*

CSS

**

*1*

*<button class="btn">Get Started</button>*

HTML

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</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</button>

</div>

</body>

</html>

# **Introduction to Bootstrap | Part 2 | Cheat Sheet**

## Flexbox Properties

### **1. Flexbox Container**

The Bootstrap class name

d-flex

defines a Flexbox Container. The direct HTML elements in the Flexbox Container are called **flex items**.



<div class="d-flex">

<div>

<h1>Tourism</h1>

<p>Plan your trip.</p>

<button>Get Started</button>

</div>

</div>

HTML

* The HTML container element with the

class="d-flex"

 is a Flexbox Container.

* The HTML container element

div

 in Flexbox Container is a flex item. Because it is directly inside the Flexbox Container.

* The HTML main heading, paragraph, and button elements are not flex items. Because these elements are not directly inside the Flexbox Container.

**Note**

Wrapping HTML elements in the Flexbox Container is mandatory to apply other flex properties.

### **2. Flex Direction**

The Flex Direction specifies the direction of the flex items in the Flexbox Container.

| Class Name | Direction of the flex items in a Flexbox Container |
| --- | --- |
| flex-row | Horizontal |
| flex-column | Vertical |

#### 2.1 flex-row

The Bootstrap class name

flex-row

is used to move the flex items **horizontally** in the Flexbox Container.



<div class="d-flex flex-row">

<div>

<h1>Tourism</h1>

<p>Plan your trip.</p>

<button>Get Started</button>

</div>

</div>

HTML

#### 2.2 flex-column

The Bootstrap class name

flex-column

is used to move the flex items **vertically** in the Flexbox Container.



<div class="d-flex flex-column">

<div>

<h1>Tourism</h1>

<p>Plan your trip.</p>

<button>Get Started</button>

</div>

</div>

HTML

**Note**

The Bootstrap class name

flex-row

 is the default Flex Direction for the Flexbox Container. So, once

d-flex

 is specified, all the flex items in the Flexbox Container display horizontally.

### **3. Justify Content**

The Justify Content specifies the alignment of flex items along the Flex Direction in a Flexbox Container.

#### 3.1 justify-content-start

The Bootstrap class name

justify-content-start

is used to align the flex items at the start of the Flexbox Container either horizontally or vertically based on the Flex Direction.

| Flex Direction | Alignment of flex items in a Flexbox Container |
| --- | --- |
| flex-row | Align flex items horizontally to the left |
| flex-column | Align flex items vertically to the top |



<div class="d-flex flex-column justify-content-start">

<div>

<h1>Tourism</h1>

<p>Plan your trip.</p>

<button>Get Started</button>

</div>

</div>

HTML

#### 3.2 justify-content-center

The Bootstrap class name

justify-content-center

is used to align the flex items at the center of the Flexbox Container either horizontally or vertically based on the Flex Direction.

| Flex Direction | Alignment of flex items in a Flexbox Container |
| --- | --- |
| flex-row | Align flex items horizontally to the center |
| flex-column | Align flex items vertically to the center |



<div class="d-flex flex-column justify-content-center">

<div>

<h1>Tourism</h1>

<p>Plan your trip.</p>

<button>Get Started</button>

</div>

</div>

HTML

#### 3.3 justify-content-end

The Bootstrap class name

justify-content-end

is used to align the flex items at the end of the Flexbox Container either horizontally or vertically based on the Flex Direction.

| Flex Direction | Alignment of flex items in a Flexbox Container |
| --- | --- |
| flex-row | Align flex items horizontally to the right |
| flex-column | Align flex items vertically to the bottom |



<div class="d-flex flex-column justify-content-end">

<div>

<h1>Tourism</h1>

<p>Plan your trip.</p>

<button>Get Started</button>

</div>

</div>

HTML

**HTML**

CSS

JAVASCRIPT

Inspect



<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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="bg-container d-flex flex-column justify-content-end">

<div class="tourism-card">

<h1 class="main-heading">Tourism</h1>

<p class="paragraph">Plan your trip.</p>

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

</div>

</div>

</body>

</html>

Try out changing the Flex Direction and Justify Content with the Bootstrap class names in the below Code Playground.Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="d-flex flex-column justify-content-end box-container">

<div class="box box-orange"><p>Box 1</p></div>

<div class="box box-green"><p>Box 2</p></div>

</div>

</body>

</html>

# **Developing layouts**

## 1. HTML Elements

### **1.1 Image Element**

The HTML

img

element defines an Image.

**Syntax**:

<img src="IMAGE\_URL"/>

### **1.2 The**

### **src**

### **Attribute**

The HTML Attribute

src

specifies the **path** (URL) of the Image.



<img

src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-img.png"

/>

HTML

### **1.4 How to apply Height and Width to an Image?**

We can provide multiple HTML Attributes to the HTML

img

element. The HTML

src

and

class

Attributes are provided in the HTML

img

element given below.



<img

src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-img.png"

class="image"

/>

HTML



.image {

*width*: 80px;

*height*: 100px;

}

CSS

**HTML**

CSS

JAVASCRIPT

Inspect



<!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+OGpamoFVy38MVBn+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<img

src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-img.png"

class="image"

/>

</body>

</html>

## 2. Void Elements

The HTML elements that only have a start tag and do not contain content or end tag are called as **Void Elements**.

**Syntax**:

<tag />

For example, the HTML

img

element.

<img src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-img.png"/>

## 3. CSS Box Model Properties

### **3.1 Margin**

The CSS

margin

property specifies the space around the four sides of an HTML element.



.card-container {

*margin*: 10px;

}

CSS

You can use the below CSS properties to apply a margin on the specific side of an HTML element,

| Property |
| --- |
| margin-top |
| margin-right |
| margin-bottom |
| margin-left |

**Approach to Develop a Layout | Cheat Sheet**

### **1. HTML Image vs CSS Background Image**

Ways to add Images in Website:

* HTML Image
* CSS Background Image

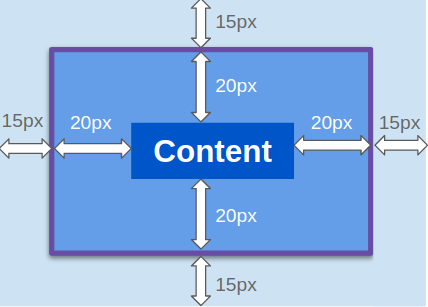
**When to use HTML Image**:

* When there are no content or HTML elements over the Image.
* When Image is a part of the content on a page.

**When to use CSS Background Image**:

* When Image is not a part of the content on a page.
* When there are content or HTML elements over the Image.

### **2. CSS Margin vs CSS Padding**



**When to use CSS Padding**:

* To specify the space around the four sides of the content of an HTML element.
* To add the space between the content and border of an HTML element.

**When to use CSS Margin**:

* To specify the space around the four sides of an HTML element.
* To add the space between HTML elements.

# **Favourite Place Detailed View Section | Cheat Sheet**

## Bootstrap Components

## [Carousel](https://getbootstrap.com/docs/4.5/components/carousel/), [embed](https://getbootstrap.com/docs/4.5/utilities/embed/) code is present in links

### **1.1 Carousel**

The Carousel is a slideshow for cycling through images, text, etc. Slides will change every few seconds.

To add the Carousel to our Favourite Place Detailed View Section Page, we used Bootstrap Carousel Component with the Indicators.

You can add the different images in the Carousel by changing the image URL in the value of the HTML

src

attribute.



1

2

3

4

5

<img

class="d-block w-100"

src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-c1-img.png"

alt="...">

/>

HTML

A piece of code in the HTML

body

element in the below Code Playground is the Bootstrap Carousel Code.

**HTML**

CSS

JAVASCRIPT

Inspect



<img src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-c2-img.png" class="d-block w-100" alt="...">

</div>

<div class="carousel-item">

<img src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-c3-img.png" class="d-block w-100" alt="...">

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data-slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data-slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

</body>

</html>

## 2. Bootstrap Utilities

### **2.1 Embed**

The given code snippet is the Youtube embed code provided by Bootstrap. You can add the different Youtube Videos by changing the Video ID in the value of the HTML

src

attribute.

The Video ID is in between the

https://www.youtube.com/embed/

and

?rel=0

.



<div class="embed-responsive embed-responsive-16by9">

<iframe

class="embed-responsive-item"

src="https://www.youtube.com/embed/49HTIoCccDY?rel=0"

allowfullscreen

></iframe>

</div>

HTML

#### 2.1.1 How to add the Youtube video?

One of the ways to add the Youtube video.

* Open the Youtube Home page: On the desktop, go to

https://www.youtube.com/

in your Web browser whereas on mobile, click on the Youtube application.

* Enter a video you want to search for: Type a word or phrase into the text box.
* Click the *Search icon*: It's to the right of the text box. Click it.
* Select the video: Scroll through the results until you find one which matches your needs and click it.
* Copy the video ID:
  + On the desktop, Copy the video ID after v=. If & is present after the v=, copy the video ID after v= and before &. For example, in the Youtube Video URL https://www.youtube.com/watch?v=49HTIoCccDY&feature=youtu.be&ab\_channel=theLuxuryTravelExpert, the video ID is 49HTIoCccDY.
  + Whereas on mobile, click on the share icon and select Messages, and copy the video ID after forward slash /.
* Paste this video ID after the embed/ and before the ?rel=0 in the value of the HTML src

 attribute.

# **Website Integration | Cheat Sheet**

## 1. CCBP UI Kit

It is a collection of reusable code snippets similar to Bootstrap. It is specially designed for CCBP training.

### **1.1 Adding CCBP UI Kit to the Web Page**



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<script type="text/javascript" src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/js/ccbp-ui-kit.js"></script>

</body>

HTML

Expand

The CCBP UI Kit Script Code should be placed just before the HTML

body

end tag.

### **1.2 Display Utility**

It is a reusable code snippet to display or hide Section Containers based on user actions.

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div id="section1">

<p>This is Section One</p>

<button class="btn btn-primary" onclick="display('section2')">

Go to Section 2

</button>

</div>

<div id="section2">

<p>This is Section Two</p>

## 2. Sections in Tourism Website

### **2.1 Home Section**

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbG+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMM+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="bg-container d-flex flex-column justify-content-end">

<div class="tourism-card">

<h1 class="main-heading">Tourism</h1>

<p class="paragraph">Plan your trip.</p>

<button class="button">

Get Started

</button>

</div>

### **2.2 Favourite Places Section**

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="favourite-places-bg-container">

<h1 class="favourite-places-heading">Favourite Places</h1>

<div class="favourite-place-card-container d-flex flex-row">

<div>

<h1 class="favourite-place-card-heading">Taj Mahal</h1>

<p class="favourite-place-card-description">

If there was just one symbol to represent all of India, it would be the

Taj Mahal

**Note**

To occupy the background image to the entire content in the above output, remove the height specified to the

favourite-places-bg-container

.

The background image takes the height of the content of an HTML element if you don't specify the height to it.

### **2.3 Detailed View Section**

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="detailed-view-bg-container">

<h1 class="detailed-view-heading">Detailed View</h1>

<div class="detailed-view-card-container">

<div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

## 3. HTML Attributes

### **3.1 The HTML id Attribute**

The HTML

id

attribute specifies a unique id for an HTML element. The value of the

id

attribute must be unique within the HTML document.



1

<div id="section1">Section 1</div>

HTML

**Warning**

The CCBP UI kit works only if the value of the HTML

id

attribute of the container section has the prefix as

section

.

So, the id which we specify for any section should always contain its prefix as

section

if you are using CCBP UI Kit.

### **3.2 The HTML onclick Attribute**

The

onclick

event occurs when the user clicks on an HTML Element.



<button class="btn btn-primary" onclick="display('section3')">

Go to Section 3

</button>

HTML

The value of an HTML

onclick

attribute should be enclosed in double-quotes and the value inside the brackets of

display()

should be enclosed in single quotes.

## 4. Website Integration

### **4.1 Integration of Home and Favourite Places Sections**

To display Favourite Places Section when we are in the Home Section:

**Step-1**: Change ids of Section Containers. All the ids must start with

section

**Step-2**: Add HTML code of Home Section and corresponding CSS styles to Display Utility **Step-3**: Add HTML code of Favourite Places Section and corresponding CSS styles to Display Utility **Step-4**: Add an HTML

onclick

attribute to the HTML

button

element in the Home Section

To display the Home Section when we are in the Favourite Places Section:

**Step-5**: Add an HTML

button

element in Favourite places Section **Step-6**: Add an HTML

onclick

attribute to it

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div id="sectionHome">

<div class="bg-container d-flex flex-column justify-content-end">

<div class="tourism-card">

<h1 class="main-heading">Tourism</h1>

<p class="paragraph">Plan your trip.</p>

<button class="button" onclick="display('sectionFavouritePlaces')">

Get Started

</button>

**Note**

While Integrating the sections with CCBP UI Kit, the ids of the section container must have a prefix

section

. Otherwise it doesn't work.

### **4.2 Integration of Favourite Places and Detailed View Sections**

To display the Detailed View Section when we click on **Taj Mahal Card**:

**Step-1**: Add HTML code of Detailed View Section code to the Display Utility **Step-2**: Add corresponding styles to the CSS file **Step-3**: Add an HTML

onclick

attribute to the **Taj Mahal Card** in the Favourite Places Section

To display the Favourite Places Section when we are in the Detailed View Section:

**Step-4**: Add an HTML

button

element in the Detailed View Section **Step-5**: Add an HTML

onclick

attribute to the HTML

button

element

**HTML**

CSS

JAVASCRIPT

Inspect



<div id="sectionFavouritePlaces">

<div class="favourite-places-bg-container">

<h1 class="favourite-places-heading">Favourite Places</h1>

<div class="favourite-place-card-container d-flex flex-row" onclick="display('sectionTajMahalDetailedView')">

<div>

<h1 class="favourite-place-card-heading">Taj Mahal</h1>

<p class="favourite-place-card-description">

If there was just one symbol to represent all of India, it would

be the Taj Mahal

</p>

</div>

<img

src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-img.png"

class="favourite-place-card-image"

/>

</div>

<div class="favourite-place-card-container d-flex flex-row">

# **Website Integration | Part 2 | Cheat Sheet**

## 1. Detailed View Section

### **1.1 Golden Temple Detailed View Section**

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="detailed-view-bg-container">

<h1 class="detailed-view-heading">Detailed View</h1>

<div class="detailed-view-card-container">

<div id="goldenTempleCarousel" class="carousel slide" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#goldenTempleCarousel" data-slide-to="0" class="active"></li>

<li data-target="#goldenTempleCarousel" data-slide-to="1"></li>

<li data-target="#goldenTempleCarousel" data-slide-to="2"></li>

### **1.2 Mysore Palace Detailed View Section**

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="detailed-view-bg-container">

<h1 class="detailed-view-heading">Detailed View</h1>

<div class="detailed-view-card-container">

<div id="mysorePalaceCarousel" class="carousel slide" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#mysorePalaceCarousel" data-slide-to="0" class="active"></li>

<li data-target="#mysorePalaceCarousel" data-slide-to="1"></li>

<li data-target="#mysorePalaceCarousel" data-slide-to="2"></li>

### **1.3 Varanasi Temple Detailed View Section**

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="detailed-view-bg-container">

<h1 class="detailed-view-heading">Detailed View</h1>

<div class="detailed-view-card-container">

<div id="varanasiTempleCarousel" class="carousel slide" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#varanasiTempleCarousel" data-slide-to="0" class="active"></li>

<li data-target="#varanasiTempleCarousel" data-slide-to="1"></li>

<li data-target="#varanasiTempleCarousel" data-slide-to="2"></li>

**Note**

The ids of the Carousels are changed in the above Detailed View Sections code.

The ids used in the above code are unique throughout the HTML document.

## 2. Website Integration

### **2.1 Integration of Favourite Places and Detailed View Sections**

To display the Detailed View Section when we click on the **Golden Temple Card** in the Favourite Places Section:

**Step-1**: Add the Section Container with the unique id **Step-2**: Add HTML Code of Golden Temple Detailed View Section **Step-3**: Add an HTML

onclick

attribute to the **Golden Temple Card** in the Favourite Places Section

To display the Favourite Places Section when we are in the Detailed View Section:

**Step-4**: Add an HTML

button

element in the Detailed View Section **Step-5**: Add an HTML

onclick

attribute to the HTML

button

element

Try out adding the Mysore Palace and Varanasi Temple Detailed View Sections and integrate them similar to the Golden Temple and TajMahal Detailed View Sections in the below Code Playground.

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div id="sectionHome">

<div class="bg-container d-flex flex-column justify-content-end">

<div class="tourism-card">

<h1 class="main-heading">Tourism</h1>

<p class="paragraph">Plan your trip.</p>

<button class="button" onclick="display('sectionFavouritePlaces')">Get Started</button>

</div>

</div>

**Note**

To use multiple Carousels in the same HTML document, we have to provide a unique id to each Carousel.

So while adding a new Carousel, you need to change the id of the Carousel. Else, the Carousel controls don’t work.

## 3. HTML Lists

The List is a way to group related pieces of information so that they are easy to read and understand.

For example, Shopping list, Todo list, etc.

There are mainly two types of Lists available in HTML.

* Unordered List
* Ordered List

### **3.1 Unordered List**

It is a collection of related items that have no special order or sequence.

For example, List of Hobbies

* Painting
* Reading Books
* Playing the Guitar

The Unordered List starts with

<ul>

tag. It wraps around all the list items and each list item starts with the

<li>

tag.



<li>Painting</li>

<li>Reading Books</li>

<li>Playing the Guitar</li>

</ul>

HTML

By default, list items in the Unordered List are marked with bullets.

#### 3.1.1 Styling Unordered List

The CSS

list-style-type

property is used to style the List.

3

.unordered-square-list {

*list-style-type*: square;

}

CSS

You can use one of the below values of the CSS

list-style-type

property to style the Unordered List.

| Value |
| --- |
| square |
| circle |
| disc |
| none |

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<ul class="unordered-square-list">

<li>Painting</li>

<li>Reading Books</li>

<li>Playing the Guitar</li>

</ul>

</body>

</html>

### **3.2 Ordered List**

It is a collection of related items that follow some order or have a sequence.

For example, Web Technologies

1. HTML
2. CSS
3. JavaScript

The Ordered List starts with

<ol>

tag. It wraps around all the list items and each list item starts with the

<li>

tag.



<ol>

<li>Go through the HTML elements and CSS properties</li>

<li>Complete the Todolist Coding Practice</li>

<li>Go through the Bootstrap Concepts</li>

<li>Read the Bootstrap cheat sheet</li>

<li>Build a Tourism Website</li>

</ol>

HTML

By default, list items in the Ordered List are marked with numbers.

#### 3.2.1 Styling Ordered List

The CSS

list-style-type

property is used to style the List.



.ordered-lower-roman-list {

*list-style-type*: lower-roman;

}

CSS

You can use one of the below values of the CSS

list-style-type

property to style the Ordered List.

| Value |
| --- |
| upper-alpha |
| lower-alpha |
| upper-roman |
| lower-roman |
| decimal |
| none |

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<ol class="ordered-lower-roman-list">

<li>Go through the HTML elements and CSS properties</li>

<li>Complete the Todolist Coding Practice</li>

<li>Go through the Bootstrap Concepts</li>

<li>Read the Bootstrap cheat sheet</li>

<li>Build a Tourism Website</li>

</ol>

</body>

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div id="sectionHome">

<div class="bg-container d-flex flex-column justify-content-end">

<div class="tourism-card">

<h1 class="main-heading">Tourism</h1>

<p class="paragraph">Plan your trip.</p>

<button class="button" onclick="display('sectionFavouritePlaces')">Get Started</button>

</div>

</div>

# **HTML Hyperlinks | Cheat Sheet**

## 1. HTML Anchor Element

The HTML

a

element defines a **Hyperlink**.

We use **Hyperlinks** to navigate to other web resources or a specific element within the HTML document. They are also called *links*.

**Syntax**:



1

<a href="URL">Content</a>

HTML

### **1.1 HTML**

### **href**

### **Attribute**

The HTML

href

Attribute specifies the URL/ path of the page where the link goes to.



1

<a href="https://www.ccbp.in/">Explore CCBP 4.0 Certification Programs</a>

HTML

### **1.2 HTML**

### **target**

### **Attribute**

The HTML

target

Attribute specifies where to open the linked web resource.

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<a href="https://www.ccbp.in/" target="\_blank"

>Explore CCBP 4.0 Certification Programs</a

>

</body>

</html>

## 2. Navigate within the same HTML document

The HTML

a

element can also be used to navigate to different sections within the same HTML document.

Add an HTML

id

attribute to the section that you want to navigate to. Provide the hash symbol

#

, and the value of the

id

attribute of that section as a value to the link's HTML

href

attribute.

**HTML**

CSS

JAVASCRIPT

Inspect



<!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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="profile">

<img src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/profile-avatar-img.png" class="image"/>

<h1 class="heading">Vinod</h1>

<p>

Vinod is an Indian-American business executive. He is the chief

executive officer of Vincent Club Inc

</p>

<a href="#bioSection">Bio</a>

**Note**

While navigating to a particular section within the same HTML document, the content of that section doesn't start from the starting of a page when

1. It has less content to fill the Viewport height and there are no sections after it.
2. The content of that section and the content of the sections after it has less content to fill the Viewport height.

## 3. HTML Image Element as Link

**HTML**

CSS

JAVASCRIPT

Inspect



<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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<div class="profile">

<img src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/profile-avatar-img.png" class="image"/>

<h1 class="heading">Vinod</h1>

<p>

Vinod is an Indian-American business executive. He is the chief

executive officer of Vincent Club Inc

</p>

<a href="https://www.ccbp.in/">

## 4. Most commonly used HTML Void Elements

### **4.1 HTML Line Break Element**

The HTML

br

element helps to break the text and continue it in the next line.



<h1 class="heading">

Twinkle Twinkle Little Star

</h1>

<p>

Twinkle, twinkle, little star, <br />

How I wonder what you are! <br />

Up above the world so high, <br />

Like a diamond in the sky.

</p>

HTML

### **4.2 HTML Horizontal Rule Element**

The HTML

hr

element inserts a horizontal line and helps to separate the content.



<h1 class="heading">

Twinkle Twinkle Little Star

</h1>

<hr />

<p>

Twinkle, twinkle, little star, <br />

How I wonder what you are! <br />

Up above the world so high, <br />

Like a diamond in the sky.

</p>

<hr />

HTML

Expand

**HTML**

CSS

JAVASCRIPT

Inspect



<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/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

</head>

<body>

<h1 class="heading">

Twinkle Twinkle Little Star

</h1>

<hr />

<p>

Twinkle, twinkle, little star, <br />

How I wonder what you are! <br />

Up above the world so high, <br />