



# 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**.

HTML

```
i 1 <div class="d-flex">
  2   <div>
  3     <h1>Tourism</h1>
  4     <p>Plan your trip.</p>
  5     <button>Get Started</button>
  6   </div>
  7 </div>
```

- 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.

HTML

```
1 <div class="d-flex flex-row">
2   <div>
3     <h1>Tourism</h1>
4     <p>Plan your trip.</p>
5     <button>Get Started</button>
6   </div>
7 </div>
```

## 2.2 flex-column

The Bootstrap class name

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

HTML

```
1 <div class="d-flex flex-column">
2   <div>
3     <h1>Tourism</h1>
4     <p>Plan your trip.</p>
5     <button>Get Started</button>
6   </div>
7 </div>
```

### 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
<code>flex-row</code>	Align flex items horizontally to the left
<code>flex-column</code>	Align flex items vertically to the top

HTML

```
1 <div class="d-flex flex-column justify-content-start">
2   <div>
3     <h1>Tourism</h1>
4     <p>Plan your trip.</p>
5     <button>Get Started</button>
6   </div>
7 </div>
```

### 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
<code>flex-row</code>	Align flex items horizontally to the center
<code>flex-column</code>	Align flex items vertically to the center

```
1 <div class="d-flex flex-column justify-content-center">
2   <div>
3     <h1>Tourism</h1>
4     <p>Plan your trip.</p>
5     <button>Get Started</button>
6   </div>
7 </div>
```

### 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
<code>flex-row</code>	Align flex items horizontally to the right
<code>flex-column</code>	Align flex items vertically to the bottom

```
1 <div class="d-flex flex-column justify-content-end">
2   <div>
3     <h1>Tourism</h1>
4     <p>Plan your trip.</p>
5     <button>Get Started</button>
6   </div>
7 </div>
```

HTMLCSSJAVASCRIPT

Inspect

1<!DOCTYPE html>

2<html>

3<head>

4<link rel="stylesheet" href="https://stackpa

5<script src="https://code.jquery.com/jquery-

6<script src="https://cdn.jsdelivr.net/npm/p

7<script src="https://stackpath.bootstrapcdn.

8</head>

9<body>

10<div class="bg-container d-flex flex-column

11<div class="tourism-card">

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

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

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

15</div>

16</div>

17</body>

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

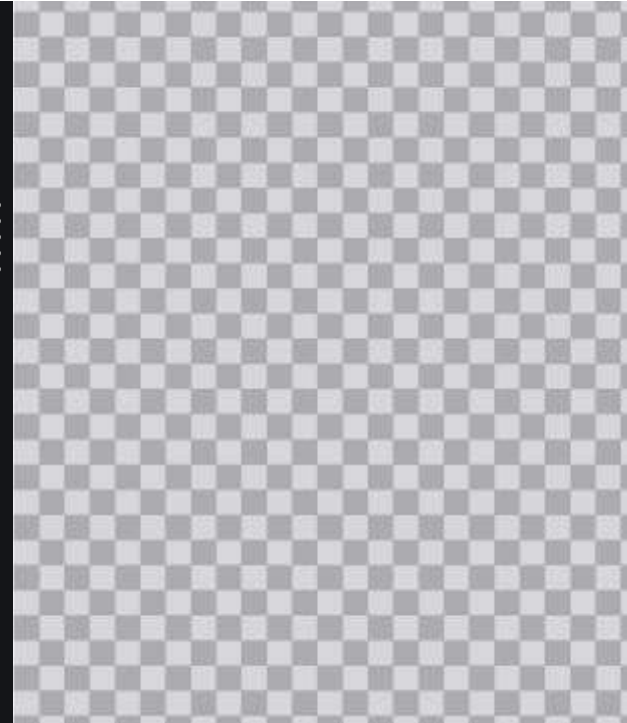
HTMLCSSJAVASCRIPT

Inspect

1<!DOCTYPE html>

2<html>

```
3 <head>
4   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
5   <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>
6   <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.3/dist/umd/popper.min.js"></script>
7   <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
8 </head>
9 <body>
10  <div class="d-flex flex-column justify-content-between">
11    <div class="box box-orange"><p>Box 1</p></div>
12    <div class="box box-green"><p>Box 2</p></div>
13  </div>
14 </body>
15 </html>
```



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