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WELCOME



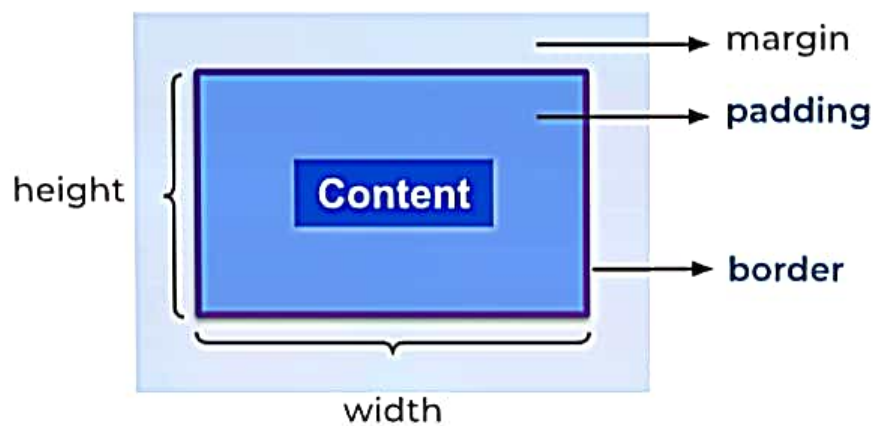


Introduction to Bootstrap

Recap

Introduction to CSS Box Model | Part 2

- ✓ Box Properties
 - Border
 - Padding
- ✓ Color Representation
 - Color Names
 - Hex Code



Recap

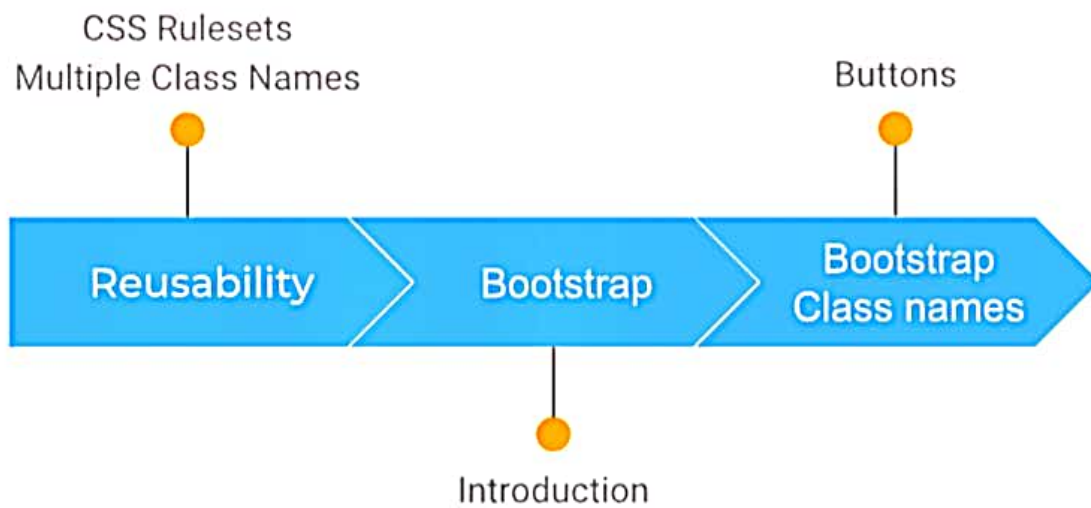
Introduction to CSS Box Model | Part 2

- ✓ Styling a Button
 - height & width
 - background-color
 - border-radius
 - border-width
- ✓ Styling a Card
 - border-top-left-radius
 - border-top-right-radius



Agenda

Introduction to Bootstrap



Reusability



Reusability

Reusing the CSS Ruleset

Get Started

Visit Now

HTML

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

CSS

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

Reusability

Reusing the Code Snippets

Benefits

- Efficiency
 - Fast
 - Low Cost
 - Consistency
 - Easier Testing
- and many more...



How to apply different colors to the buttons?

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Syntax

Providing Multiple Names to the Class Attribute Value

We can provide multiple names to the Class Attribute value



```
<tag class="name1 name2 name3 name4 ...">
```

Attribute Value

In general, we call these names as class names

Providing Multiple Names to the Class Attribute Value

Example

HTML

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

Get Started

CSS

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

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Reusability

Providing Multiple Names to the Class Attribute value

HTML

```
<button class="button button-green">
  Get Started
</button>
<button class="button button-orange">
  Visit Now
</button>
```

CSS

```
.button-green {
  background-color: #8cc63f;
}

.button-orange {
  background-color: #f7931e;
}
```

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Introduction to Bootstrap



Introduction to Bootstrap

What is Bootstrap?

Bootstrap is a large **collection** of predefined **reusable** Code Snippets written in HTML, CSS, and Javascript

Example: Buttons, Cards, etc.



Bootstrap

Buttons

Primary

Secondary

Success

Danger

Primary

Secondary

Success

Danger

Bootstrap

Cards



Taj Mahal

The Taj Mahal is an Ivory-white marble mausoleum on the southern bank of the river Yamuna in the Indian city of Agra.

[Visit Now](#)



Parrot

Parrots, also known as psittacines, found mostly in tropical and subtropical regions. The order is subdivided into three superfamilies. One-third of all parrot species are threatened by extinction, with higher aggregate extinction risk

Bootstrap

Cards



Taj Mahal

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Parrot

Parrots, also known as psittacines, found mostly in tropical and subtropical regions. The order is subdivided into three superfamilies. One-third of all parrot species are threatened by extinction, with higher aggregate extinction risk

Bootstrap

Carousels



Why Bootstrap?

- Created by Twitter
- Currently used by companies like Twitter, LinkedIn, Spotify, Udemy many more...
- More than 20 million websites built using Bootstrap



Twitter

Source: [stackshare](#), [builtwith](#)

Introduction to Bootstrap

How to use Bootstrap?

To use the **code snippets** provided by Bootstrap, we need to add a piece of code within the **head** element.

We call them **BootstrapCDN**



HTML

```
<!DOCTYPE html>
<html>
  <head>
    ...
  </head>
  <body></body>
</html>
```

Introduction to Bootstrap

Including Bootstrap in the HTML Document

```
<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-reFTGAW83EW2RDu2S0VKAizap3H66lZ81PoYlFhbGU+6B2p6G7niu735Sk7lN"
    crossorigin="anonymous"
  ></script>
  <script
    src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
    integrity="sha384-B4gt1jrGC7Jh4AgTPSdUt08Bvf08shuf57BaghqFfPLYxofvL8/KUEfYiJOMMV+rV"
    crossorigin="anonymous"
  ></script>
</head>
```

Introduction to Bootstrap

Bootstrap Class Names

Bootstrap provides us with various predefined **class names** which we can use for **class attribute values** to add styling to our website easily

```
<tag class="name1 name2 name3 name4 ...">
```

Attribute Value

Predefined Styles in Bootstrap

Buttons using Bootstrap

HTML

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

Get Started

Predefined Styles in Bootstrap

Buttons using Bootstrap

HTML

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

Get Started

Bootstrap

Bootstrap Rulesets

CSS

```
.btn {  
  font-size: 16px;  
  border-radius: 5px;  
  height: 36px;  
  width: 138px;  
  border-width: 0px;  
}
```

+

CSS

```
.btn-primary {  
  color: white;  
  background-color: blue;  
}
```

=

Get Started

Get Started

Bootstrap

Bootstrap Rulesets

CSS

```
.btn {  
  font-size: 16px;  
  border-radius: 5px;  
  height: 36px;  
  width: 138px;  
  border-width: 0px;  
}
```

+

CSS

```
.btn-primary {  
  color: white;  
  background-color: blue;  
}
```

=

Get Started

Get Started

Bootstrap

Buttons

Get Started

btn btn-primary

Get Started

btn btn-secondary

Get Started

btn btn-success

Get Started

btn btn-danger

Bootstrap

Predefined Class Names

active	badge	caption
affix	bg-danger	caret
alert	bg-info	carousel
alert-danger	bg-primary	collapse
alert-dismissible	bg-success	card
alert-link	bg-warning	card-body
alert-success	btn	disabled
		divider

[many more...](#)

Note: Don't use predefined bootstrap class names in CSS Rulesets

Bootstrap

Our Code

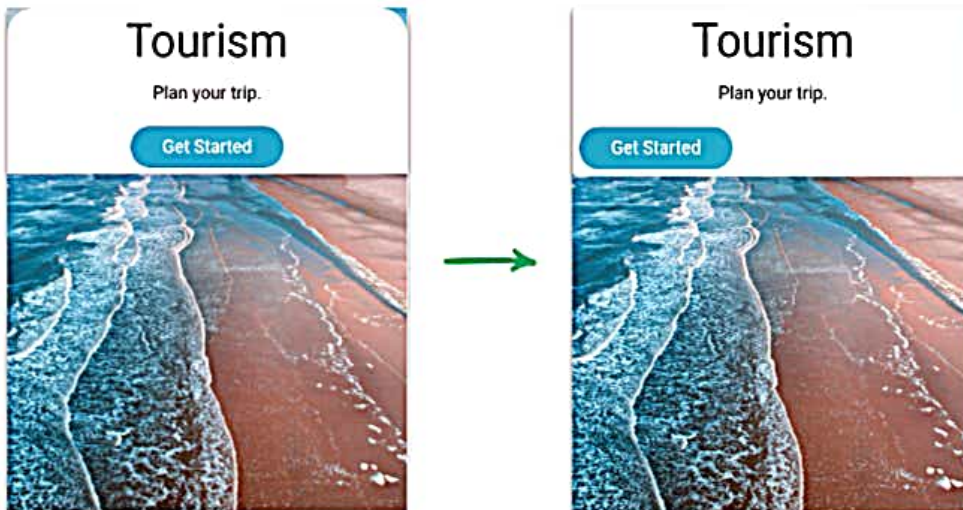
HTML

```
<body>
  <div class="bg-container">
    <div class="card">
      <h1 class="main-heading">Tourism</h1>
      <p class="paragraph">
        Plan your trip.
      </p>
      <button class="button"> Get Started </button>
    </div>
  </div>
</body>
```

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Why did the output change?



Bootstrap

Why did the output change?

card is a predefined
bootstrap class name.

Using predefined
Bootstrap class names
may give unexpected results.

```
.card {  
  text-align: center;  
  background-color: white;  
  border-top-left-radius: 25px;  
  border-top-right-radius: 25px;  
  padding: 5px;  
}
```

CSS

Bootstrap

Changing Card Class Name

CSS

```
.card {  
  text-align: center;  
  background-color: white;  
  border-top-left-radius: 25px;  
  border-top-right-radius: 25px;  
  padding: 5px;  
}
```



CSS

```
.tourism-card {  
  text-align: center;  
  background-color: white;  
  border-top-left-radius: 25px;  
  border-top-right-radius: 25px;  
  padding: 5px;  
}
```


Bootstrap

Bootstrap with our Code

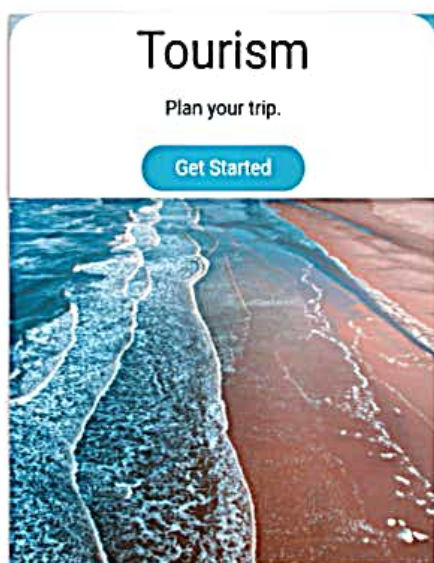
HTML

```
<body>
  <div class="bg-container">
    <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>
```

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Bootstrap

Output of the Code Snippet



Introduction to Bootstrap

Key Takeaways

- ✓ Reusability of CSS Rulesets
- ✓ Providing Multiple Class Names to HTML Elements
- ✓ Introduction to Bootstrap
 - What is Bootstrap?
 - Why Bootstrap?
- ✓ Bootstrap Class Names
 - Button Class Names



Next Session

Bootstrap (continued...)
Flexbox Layouting





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THANK YOU

