COURSEWARE

Bootstrap Cards

Contents

- [Overview](#overview)
- [Tutorial](#tutorial)
- [Exercises](#exercises)

Overview

Bootstrap Cards are containers that provide a flexible way to display content to the user.
Commonly, they are utilised to display a snippet of a larger article, so that the user can click to view the full page if interested.

Cards can, and are encouraged to, contain images.
However, the design choices are in the hands of the developer, and as with all things in Bootstrap.
Cards are highly customisable.

Tutorial

Here's the basis for what we'll be working with.
It contains Bootstrap CSS and JavaScript imports, a simple navigation bar for reference and, a basic Bootstrap Grid layout with 2 rows, 4 columns.

Click here for the module on Navigation Bars.

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <title>Bootstrap Tutorial</title>
        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-
giJF6kkoqNQ00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmP1"
crossorigin="anonymous">
    </head>

    <body>
        <nav class="navbar navbar-light bg-light">
            <a href="link/to/page" class="navbar-brand">My Company</a>
            <button class="navbar-toggler" data-bs-toggle="collapse" data-bs-
target="#hasToMatch">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="hasToMatch">
                <ul class="navbar-nav">
                    <li class="nav-item">
                        <a href="link/to/login" class="nav-link">Login</a>
                    </li>
                    <li class="nav-item">
                        <a href="link/to/home" class="nav-link">Home</a>
                    </li>
                    <li class="nav-item">
                        <a href="link/to/memes" class="nav-link">Memes</a>
                    </li>
                </ul>
            </div>
        </nav>

        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-
ygbV9kiqUc6oa4msXn9868pTtWMgiQaeYH7/t7LECLbyPA2x65Kgf80OJFdroafW"
        crossorigin="anonymous"></script>
    </body>
</html>
```

So, lets start building our first card;

```html
<!--<head> and <nav>-->
<div class="container">
    <div class="card-deck">
        <div class="card">
            <div class="card-body">

            </div>
        </div>
        <div class="card">

        </div>
        <div class="card">

        </div>
    </div>
</div>
<!--<script> imports-->
```

In order to declare a card, you need three `<div>` classes, one with a class `"container"` and another, inside the 'container', with a class `"card-deck"`. Then, you can add as many `<div class="card">` as you require. Finally, is an optional `<div>` with class `"card-body"` this provides a little bit of margin padding so that our text doesn't touch the edge of the card.

Next we can start adding our content:

```html
<!--<head> and <nav>-->
<div class="container">
    <div class="card-deck">
        <div class="card">
            <img src="https://i.imgur.com/M8R9D4K.jpg" class="img-fluid"
alt="Batman"/>
            <div class="card-body">
                <h3 class="card-title">Batman</h3>
                <h5 class="clard-subtitle">Ben Affleck</h5>
                <p>A man in a skin tight lycra spits while he shouts.</p>
            </div>
        </div>
    </div>
</div>
<!--<script> imports-->
```

So, we've added 4 elements to the card:

- `<img>` Standard HTML to display an image, please see documentation. Gets a class of `"img-fluid"`, this will automatically format the image to available space. It has been placed outside the `"card-body"` as we do not want it to be affected by the formatting that comes with the class.
- `<h3>` Can be any heading size you wish, used to display card title with class `"card-title"`
- `<h5>` Can be any heading size you wish, used to display card subtitle with class `"card-subtitle"`
- `<p>` Used to display content of card, doesn't need any Bootstrap class to function correctly.

So lets add a few more cards to our deck.

```html
<!--<head> and <nav>-->
<div class="container">
    <div class="card-deck">
        <div class="card">
        <img src="https://i.imgur.com/M8R9D4K.jpg" class="img-fluid"
alt="Batman"/>
            <div class="card-body">
                <h3 class="card-title">Batman</h3>
                <h5 class="clard-subtitle">Ben Affleck</h5>
                <p>A man in a skin tight lycra spits while he shouts.</p>
            </div>
        </div>
        <div class="card">
        <img src="https://i.imgur.com/4uu9fbi.jpg" class="img-fluid"
alt="Clifford"/>
            <div class="card-body">
                <h3 class="card-title">Clifford</h3>
                <h5 class="clard-subtitle">The big red doge</h5>
                <p>A giant dog breaks in to a brewery. What happens next will
shock you!</p>
            </div>
        </div>
        <div class="card">
        <img src="https://i.imgur.com/OmulKtJ.jpg" class="img-fluid"
alt="National Treasure"/>
            <div class="card-body">
                <h3 class="card-title">National Treasure</h3>
                <h5 class="clard-subtitle">A National Treasure</h5>
                <p>A national treasure searches for a national treasure in a
movie called National Treasure.</p>
            </div>
        </div>
    </div>
</div>
<!--<script> imports-->
```

That's a basic Bootstrap card done! But you'll notice there are a few things a bit off with these cards.

We have no space from the end of the navigation bar and our cards.

You guessed it, Bootstrap helps with that.

```html
<!--<head> and <nav>-->
<div class="container mt-5"> <!--Ranges from mt-1 to mt-5-->
    <div class="card-deck">
        <div class="card">
        <img src="https://i.imgur.com/M8R9D4K.jpg" class="img-fluid"
alt="Batman"/>
            <div class="card-body">
                <h3 class="card-title">Batman</h3>
                <h5 class="clard-subtitle">Ben Affleck</h5>
                <p>A man in a skin tight lycra spits while he shouts.</p>
            </div>
        </div>
        <div class="card">
            <img src="https://i.imgur.com/4uu9fbi.jpg" class="img-fluid"
alt="Clifford"/>
            <div class="card-body">
                <h3 class="card-title">Clifford</h3>
                <h5 class="clard-subtitle">The big red doge</h5>
                <p>A giant dog breaks in to a brewery. What happens next will
shock you!</p>
            </div>
        </div>
        <div class="card">
            <div class="card-body">
                <img src="https://i.imgur.com/OmulKtJ.jpg" class="img-fluid"
alt="National Treasure"/>
                <h3 class="card-title">National Treasure</h3>
                <h5 class="clard-subtitle">A National Treasure</h5>
                <p>A national treasure searches for a national treasure in a
movie called National Treasure.</p>
            </div>
        </div>
    </div>
</div>
<!--<script> imports-->
```

As you can see we added a class of `"mt-5"` to the enclosing container.

`mt` stands for margin top.

This will nicely space our cards from the top of the page and make our site look a bit cleaner.

Now, we can make our cards clickable, after all. They're previews of bigger pages.

```html
<!--<head> and <nav>-->
<div class="container mt-5"> <!--Ranges from mt-1 to mt-5-->
    <div class="card-deck">
        <div class="card">
        <img src="https://i.imgur.com/M8R9D4K.jpg" class="img-fluid"
alt="Batman"/>
            <div class="card-body">
                <h3 class="card-title">Batman</h3>
                <h5 class="clard-subtitle">Ben Affleck</h5>
                <p>A man in a skin tight lycra spits while he shouts.</p>
                <a href="https://imgur.com/gallery/M8R9D4K"
                class="btn btn-primary stretched-link">Go to site</a>
            </div>
        </div>
        <div class="card">
            <img src="https://i.imgur.com/4uu9fbi.jpg" class="img-fluid"
alt="Clifford"/>
            <div class="card-body">
                <h3 class="card-title">Clifford</h3>
                <h5 class="clard-subtitle">The big red doge</h5>
                <p>A giant dog breaks in to a brewery. What happens next will
shock you!</p>
                <a href="https://imgur.com/r/doge/4uu9fbi"
                class="btn btn-primary stretched-link">Go to site</a>
            </div>
        </div>
        <div class="card">
            <div class="card-body">
                <img src="https://i.imgur.com/OmulKtJ.jpg" class="img-fluid"
alt="National Treasure"/>
                <h3 class="card-title">National Treasure</h3>
                <h5 class="clard-subtitle">A National Treasure</h5>
                <p>A national treasure searches for a national treasure in a
movie called National Treasure.</p>
                <a href="https://imgur.com/r/PlexPosters/WYY73Z6"
                class="btn btn-primary stretched-link">Go to site</a>
            </div>
        </div>
    </div>
</div>
<!--<script> imports-->
```

As you can see all we have done is added a `<a>` tag with a href of the link we wish the card to go to, and classes `"btn"` and `"btn-primary"` just for some Bootstrap formatting.

We also have a class of `"stretched-link"`, this class will apply the link to the *enclosing* element. which means this `<a>` tag, has also been applied to the `<div class="card-body">`

So when we click anywhere on the `card-body`, the redirect is triggered.

Exercises

There are no exercises for this module.