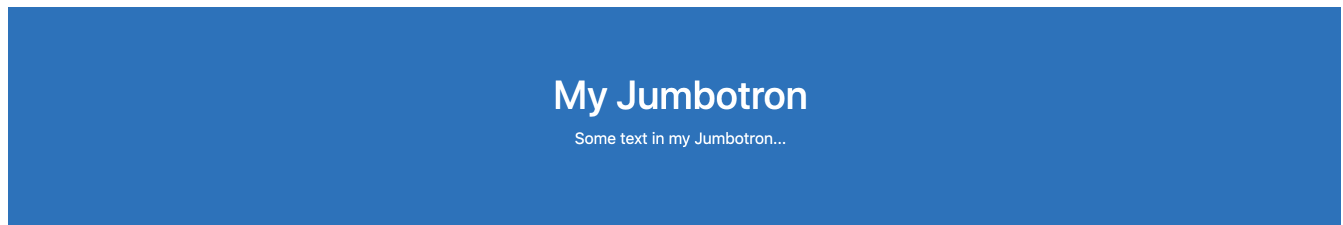college **CDI**

Layout fundamentals for websites (NMW)

Class 09

Jumbotron

A jumbotron is a big box for calling extra attention to some special content. It shows as a full width default grey box with rounded corners which also enlarges the font sizes of the text it contains.

To create a Jumbotron, use a <div> element with *class="jumbotron"*. Note that a Jumbotron may be placed inside or outside of a container.

My Jumbotron

Some text in my Jumbotron...

Some text...

Some more text...

```
<div class="jumbotron bg-primary text-white text-center">
        <h1>My Jumbotron</h1>
        <p>Some text in my Jumbotron...</p>
</div>
<div class="container">
        <p>Some text...</p>
        <p>Some more text...</p>
</div>
```

Alert boxes

Alert boxes are used to make some informations requiring immediate attention stand out as some sort of warning. They are created using **class="alert"** and can be coloured using contextual classes. Alert boxes also have a function allowing the user to close them so they disappear using the classes **class="close"** and **data-dismiss="alert"**. Finally, add **class="alert-dismissible"** to the alert element for proper positioning of the close button.

× **Success!** Indicates a successful or positive action.

```
<div class="container">
        <div class="row">
                <div class="alert alert-success alert-dismissible">
                        <button type="button" class="close"  data-dismiss="alert">&times;</button>
                        <strong>Success!</strong> Indicates a successful or positive action.
                </div>
        </div>
</div>
```

Cards

A Bootstrap card element is a content container with multiple possibilities.

Basic card

My card

Cards are created adding **class="card"** to a container.

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

Card with sections

Header

Body

Footer

Cards sections are created adding **class="header"**, **class="body"** and **class="footer"**.
<div class="card">
<div **class="card-header"**>Header</div>
<div **class="card-body"**>Body</div>
<div **class="card-footer"**>Footer</div>
</div>

Cards contents

<div class="card">
        <div class="card-header **bg-warning**">
        My card
        </div>

        <div class="card-body">
        <h4 **class="card-title"**>Card title</h4>
            <p **class="card-text"**>Your text here. And there...</p>
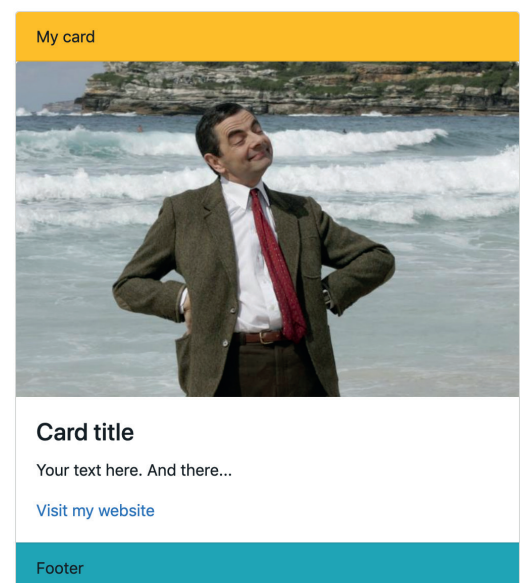   Website
        </div>
        <div class="card-footer **bg-info**">Footer</div>
</div>

My card

Card title

Your text here. And there...

Visit my website

Footer

* ***stretched-link*** makes the entire card a link.
* ***card-img-overlay*** in the card-body section overlays the content over the image.

Card Columns

The class *.card-columns* creates a masonry of card like Pinterest. As cards are added, the layout is adjusted automatically.


```
<div class="card-columns">
      <div class="card bg-primary">
              <img class="card-img-top" src="card-01.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
      <div class="card bg-primary">
              <img class="card-img-top" src="card-02.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
      <div class="card bg-primary">
              <img class="card-img-top" src="card-03.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
</div>
```
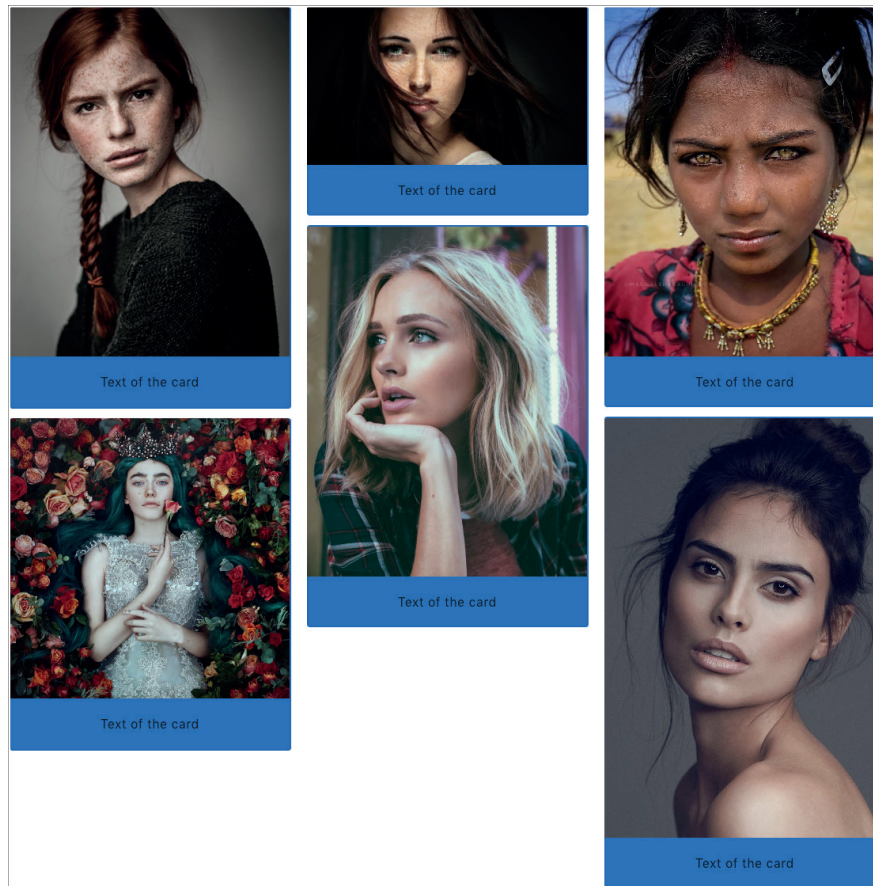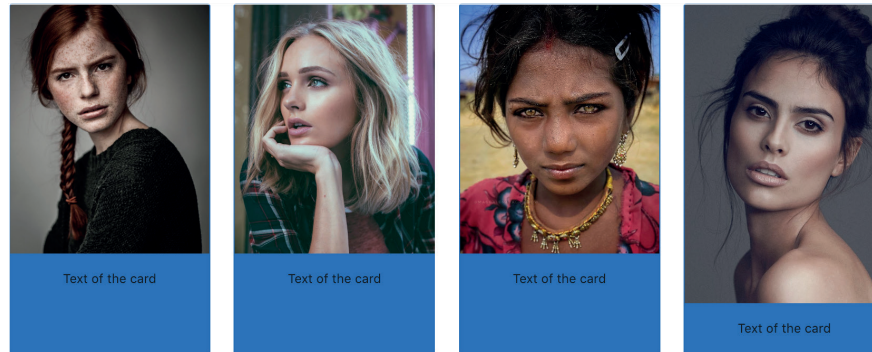
Card deck

The class *.card-deck* and *.card-group* creates a grid of cards of equal height and width, but *card-group* removes the left and white margins between the cards. As cards are added, the layout is adjusted automatically.


```
<div class="card-deck">
      <div class="card bg-primary">
              <img class="card-img-top" src="card-01.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
      <div class="card bg-primary">
              <img class="card-img-top" src="card-04.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
      <div class="card bg-primary">
              <img class="card-img-top" src="card-05.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
      <div class="card bg-primary">
              <img class="card-img-top" src="card-06.jpg">
              <div class="card-body text-center">
                      <p class="card-text">Text of the card</p>
              </div>
      </div>
</div>
```
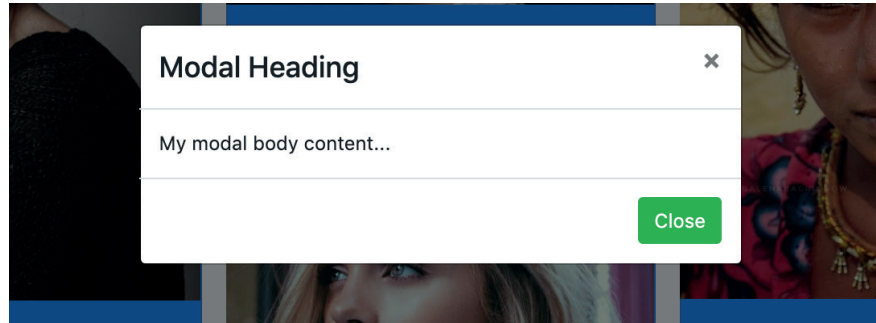
N.B.: The result is nicer with same size images.

Modal

A Modal component is a popup window that is displayed on top of the current page. It is similar to a JavaScript alert but it is usually nicer as it can be styled with CSS.


```
<!-- Button triggering the modal -->
<button type="button" class="btn btn-primary" data-toggle="modal" data-target="#myModal">
        Open modal
</button>


<!-- Modal -->
<div class="modal fade" id="myModal">
        <div class="modal-dialog modal-sm modal-dialog-centered modal-dialog-scrollable">
                <div class="modal-content">
                        <div class="modal-header">
                                <h4 class="modal-title">Modal Heading</h4>
                                <button type="button" class="close" data-dismiss="modal">&times;</button>
                        </div>
                        <div class="modal-body">
                                My modal body content...
                        </div>
                        <div class="modal-footer">
                                <button type="button" class="btn btn-success" data-dismiss="modal">Close</button>
                        </div>
                </div>
        </div>
</div>
```
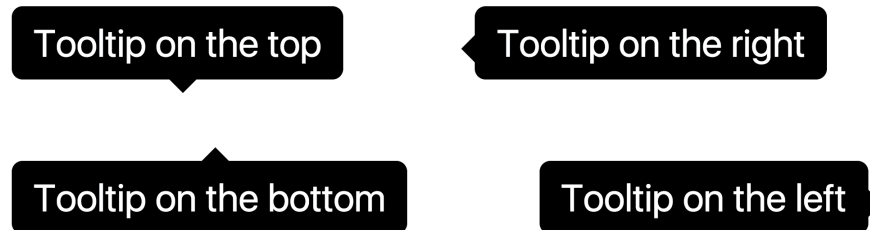
> **Nota :**
>
> *The class **fade** adds a short transition.*
>
> ***modal-sm** (or **modal-lg** or **modal-xl**) opens a small, large or extra-large modal.*
>
> ***modal-dialog-centered** centers the modal in the screen.*
>
> ***modal-dialog-scrollable** makes text scrollable within the modal.*

Tooltip

The Tooltip component is small pop-up box appearing on rollover of an element. On top of the HTML necessary to trigger the tooltip, a jQuery script must be initialized.
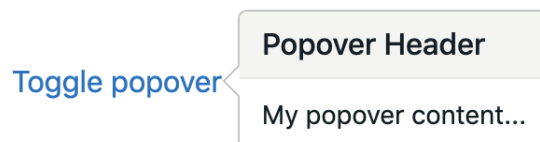
Tooltip on the top

Tooltip on the right

Tooltip on the bottom

Tooltip on the left

Trigger tooltip

<script>
$(document).ready(function(){
          $('[data-toggle="tooltip"]').tooltip();
});
</script>

N.B.: data-placement *can be right, left, top or bottom.*

Popover

Aside from its appearance, a popover is a little like a tooltip but it is triggered and closed by a click instead of a rollover.

Toggle popover

Popover Header

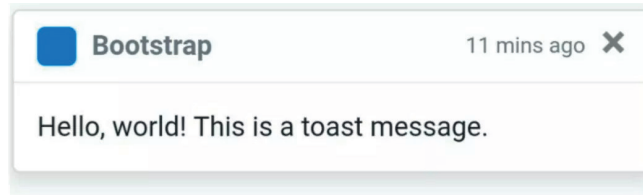My popover content...

Toggle popover

<script>
$(document).ready(function(){
          $('[data-toggle="popover"]').popover();
});
</script>

Toast

The toast component is just like an alert box, but only showing for a few seconds when triggered by an event.


```
<button type="button" class="btn btn-primary" id="myBtn">Show Toast</button>

<div class="toast">
        <div class="toast-header">
                Toast Header
        </div>
        <div class="toast-body">
                Some text inside the toast body
        </div>
</div>

<script>
$(document).ready(function(){
        $("#myBtn").click(function(){
                $('.toast').toast('show');
        });
});
</script>
```

Toggleable / Dynamic tabs

Dynamic tabs allow to fragment content within a page using tabs to show the different parts of the content.

| Menu 1 | Menu 2 | Menu 3 |

Menu 1

Some content in menu 1.

```html
<ul class="nav nav-tabs">
        <li class="nav-item"><a class="nav-link active" data-toggle="tab" href="#menu1">Menu 1</a></li>
        <li class="nav-item"><a class="nav-link" data-toggle="tab" href="#menu2">Menu 2</a></li>
        <li class="nav-item"><a class="nav-link" data-toggle="tab" href="#menu3">Menu 3</a></li>
</ul>

<div class="tab-content">
        <div id="menu1" class="tab-pane fade">
                <h3>Menu 1</h3>
                <p>Some content in menu 1.</p>
        </div>
        <div id="menu2" class="tab-pane fade">
                <h3>Menu 2</h3>
<p>Some content in menu 2.</p>
        </div>
        <div id="menu3" class="tab-pane fade">
                <h3>Menu 3</h3>
<p>Some content in menu 3.</p>
        </div>
</div>
```

Toggleable / Dynamic pills

Menu 1   Menu 2   Menu 3

Menu 1

Some content in menu 1.

```
<ul class="nav nav-pills">
        <li class="nav-item"><a class="nav-link active" data-toggle="pill" href="#menu1">Menu 1</a></li>
        <li class="nav-item"><a class="nav-link active" data-toggle="pill" href="#menu2">Menu 2</a></li>
        <li class="nav-item"><a class="nav-link active" data-toggle="pill" href="#menu3">Menu 3</a></li>
</ul>

<div class="tab-content">
        <div id="menu1" class="tab-pane fade">
                <h3>Menu 1</h3>
                <p>Some content in menu 1.</p>
        </div>
        <div id="menu2" class="tab-pane fade">
                <h3>Menu 2</h3>
        <p>Some content in menu 2.</p>
        </div>
        <div id="menu3" class="tab-pane fade">
                <h3>Menu 3</h3>
        <p>Some content in menu 3.</p>
        </div>
</div>
```

Collapsible panel

Content of the panel heading

Panel Body

Panel Footer

```
<div class="panel-group bg-light">
        <div class="panel panel-default">
                <div class="panel-heading">
                        <h4 class="panel-title">
                        <a data-toggle="collapse" href="#collapse">Content of the panel heading</a>
                        </h4>
        </div>
        <div id="collapse" class="panel-collapse collapse">
                <div class="panel-body bg-primary">Panel Body</div>
                <div class="panel-footer bg-warning">Panel Footer</div>
        </div>
</div>
```

Collapsible list group

Collapsible list group

One

Two

Three

```
<div class="panel-group">
        <div class="panel panel-default">
                <div class="panel-heading">
                        <h4 class="panel-title">
                        <a data-toggle="collapse" href="#collapse">Collapsible list group</a>
                        </h4>
                </div>
                <div id="collapse" class="panel-collapse collapse">
                        <ul class="list-group">
                                <li class="list-group-item">Item 1</li>
                                <li class="list-group-item">Item 2</li>
                                <li class="list-group-item">Item 3</li>
                        </ul>
                        <div class="panel-footer">Footer</div>
                </div>
        </div>
</div>
```

Accordion

Collapsible Group 1

Collapsible Group 2

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Collapsible Group 3

```
<div class="panel-group" id="accordion">
    <div class="panel panel-default">
        <div class="panel-heading bg-light">
        <h4 class="panel-title">
        <a data-toggle="collapse" data-parent="#accordion" href="#collapse1">Collapsible Group 1</a>
        </h4>
        </div>
        <div id="collapse1" class="panel-collapse collapse in">
            <div class="panel-body">Lorem ipsum dolor sit amet, consectetur adipisicing elit,
sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</div>
        </div>
    </div>
    <div class="panel panel-default">
        <div class="panel-heading bg-light">
        <h4 class="panel-title">
        <a data-toggle="collapse" data-parent="#accordion" href="#collapse2">Collapsible Group 2</a>
        </h4>
        </div>
        <div id="collapse4" class="panel-collapse collapse">
            <div id="collapse2" class="panel-collapse collapse in">
            <div class="panel-body">Lorem ipsum dolor sit amet, consectetur adipisicing elit,
sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</div>
        </div>
    </div>
    <div class="panel panel-default">
        <div class="panel-heading bg-light">
        <h4 class="panel-title">
        <a data-toggle="collapse" data-parent="#accordion" href="#collapse3">Collapsible Group 3</a>
        </h4>
        </div>
        <div id="collapse3" class="panel-collapse collapse in">
            <div class="panel-body">Lorem ipsum dolor sit amet, consectetur adipisicing elit,
sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</div>
        </div>
    </div>
</div>
```

Carousel (automatic slides)

```
<div  class="carousel slide" data-ride="carousel">
        <div class="carousel-inner">
                <div class="carousel-item active">
                        <img src="..." class="d-block w-100" alt="...">
                </div>
        <div class="carousel-item">
                <img src="..." class="d-block w-100" alt="...">
        </div>
        <div class="carousel-item">
                <img src="..." class="d-block w-100" alt="...">
        </div>
</div>
```

Carousel (slides with controls and indicators)

```
<div id="myCarousel" class="carousel slide carousel-fade" data-ride="carousel">
        <ol class="carousel-indicators">
                <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
                <li data-target="#myCarousel" data-slide-to="1"></li>
                <li data-target="#myCarousel" data-slide-to="2"></li>
        </ol>
        <div class="carousel-inner">
                <div class="carousel-item active">
                        <img src="card-01.jpg" class="d-block w-100" alt="...">
                </div>
                <div class="carousel-item">
                        <img src="card-04.jpg" class="d-block w-100" alt="...">
                </div>
                <div class="carousel-item">
                        <img src="card-06.jpg" class="d-block w-100" alt="...">
                </div>
        </div>
        <a class="carousel-control-prev" href="#myCarousel" 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="#myCarousel" role="button" data-slide="next">
                <span class="carousel-control-next-icon" aria-hidden="true"></span>
                <span class="sr-only">Next</span>
        </a>
</div>
```