

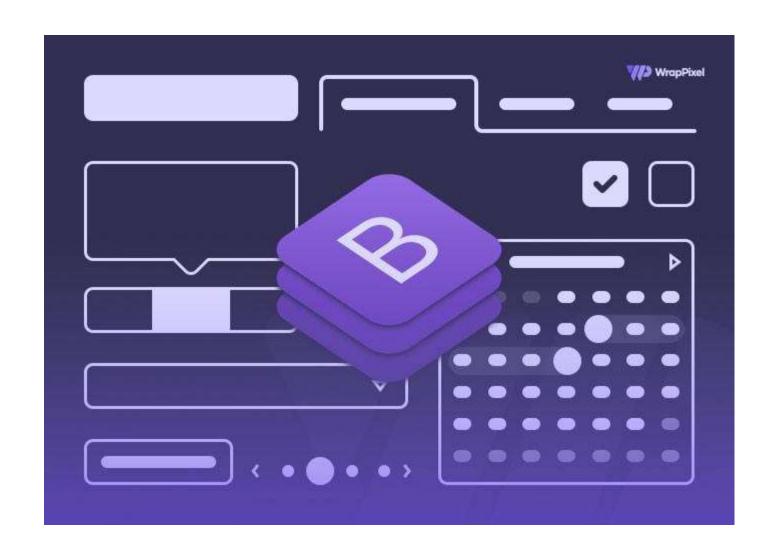
#### Last lecture reminder

#### We learned about:

- What is Bootstrap and why we want to use it
- How we apply Bootstrap style to our files
- Basic Bootstrap features:
  - Typography
  - Colors
  - Spacing
  - Sizing
  - Border
  - Radius
- Bootstrap components:
  - Buttons
  - Navbar



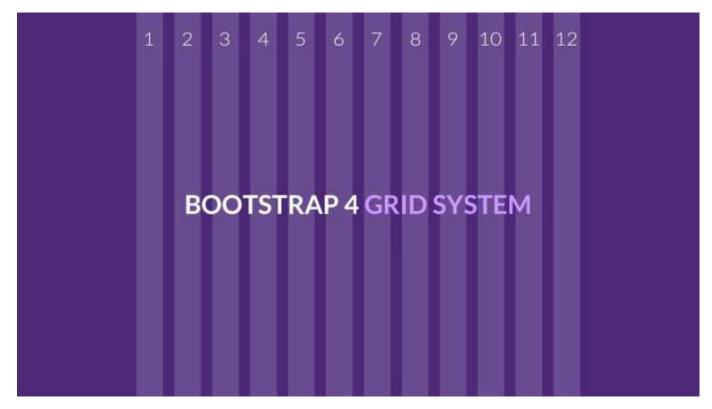
# Bootstrap - Components



#### Bootstrap - Grid System

Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content

The grid is fully responsive and match for all screen devices



#### Bootstrap - Grid System

How Bootstrap's grid system is working:

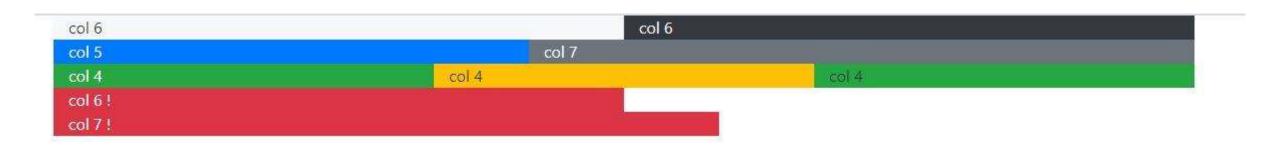
- Bootstrap using flax-box for the grid-system
- The grid supports six responsive breakpoints (based on min-width media queries as we learned before) for more details Bootstrap breakpoints
- Containers center and horizontally pad your content by adding the .container class you will automatically center and horizontally pad your content
- Columns are incredibly flexible There are 12 template columns available per row, allowing you to create different combinations of elements that span any number of columns

## Class Exercise - Bootstrap Grid



#### **Instructions:**

• Create the following grid image using Bootstrap:





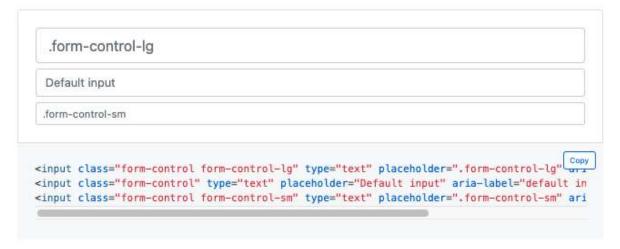
# **Class Exercise - Bootstrap Grid Solution**



#### form-control -

<pre>cdiv class="mb-3"&gt;</pre>	name@example.com	
<pre><div class="mb-3">     <label class="form-label" for="exampleFormControlInput1">Email address</label>     <input c="" class="form-control" div"="" id="exampleFormControlInput1" placeholder="name=" type="email"/> </div>     <label class="form-label" for="exampleFormControlTextarea1">Example textarea</label>     <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></pre>	Example textarea	
<pre><div class="mb-3">     <label class="form-label" for="exampleFormControlInput1">Email address</label>     <input c="" class="form-control" div"="" id="exampleFormControlInput1" placeholder="name=" type="email"/> </div>     <label class="form-label" for="exampleFormControlTextarea1">Example textarea</label>     <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></pre>		
<pre><div class="mb-3">     <label class="form-label" for="exampleFormControlInput1">Email address</label>     <input c="" class="form-control" div"="" id="exampleFormControlInput1" placeholder="name=" type="email"/> </div>     <label class="form-label" for="exampleFormControlTextarea1">Example textarea</label>     <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></pre>		
<pre><div class="mb-3">     <label class="form-label" for="exampleFormControlInput1">Email address</label>     <input c="" class="form-control" div"="" id="exampleFormControlInput1" placeholder="name=" type="email"/> </div>     <label class="form-label" for="exampleFormControlTextarea1">Example textarea</label>     <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></pre>		
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<pre><label class="form-label" for="exampleFormControlInput1">Email address</label></pre>	cdiv classe"mb 3"	Cop
<pre><input class="form-control" id="exampleFormControlInput1" mb-3"="" placeholder="nam &lt;/div&gt; &lt;div class=" type="email"/>   <label class="form-label" for="exampleFormControlTextarea1">Example textarea</label>   <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></pre>		ail address
<pre> <div class="mb-3">   <label class="form-label" for="exampleFormControlTextarea1">Example textarea</label>   <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></div></pre>		
<pre><label class="form-label" for="exampleFormControlTextarea1">Example textarea</label> <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea></pre>		
<textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea>	<div class="mb-3"></div>	
NAVIN III		
		•

form-control-#size - apply sizing to the input (form-control-lg, form-control-sm)



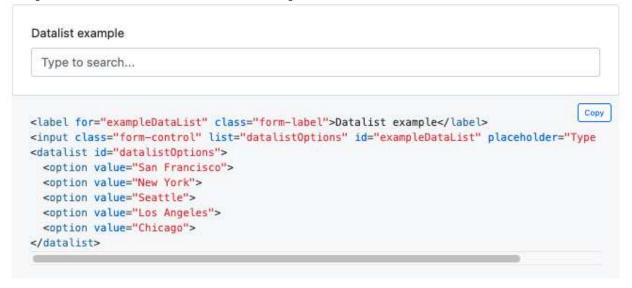
disabled - boolean attribute that disabling the input



#### **Custom file input file-import -**

Choose File	No file chosen
Multiple files inp	out example
Choose Files	No file chosen
Disabled file inp	out example
Choose File	No file chosen
Small file input	example
Choose File N	o file chosen
Large file input	example
Choose File	e No file chosen
<pre><input <="" class="" div=""/> <div class="form-label">Default file input example ="form-control" type="file" id="formFile"&gt;  -3"&gt; formFileMultiple" class="form-label"&gt;Multiple files input example ="form-control" type="file" id="formFileMultiple" multiple&gt;  -3"&gt; formFileDisabled" class="form-label"&gt;Disabled file input example ="form-control" type="file" id="formFileDisabled" disabled&gt;</div></pre>	
 <div></div>	<pre>formFileLg" class="form-label"&gt;Large file input example</pre>

Use **form-control** class to style datalists

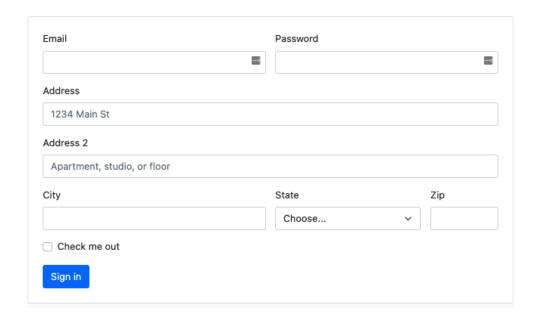


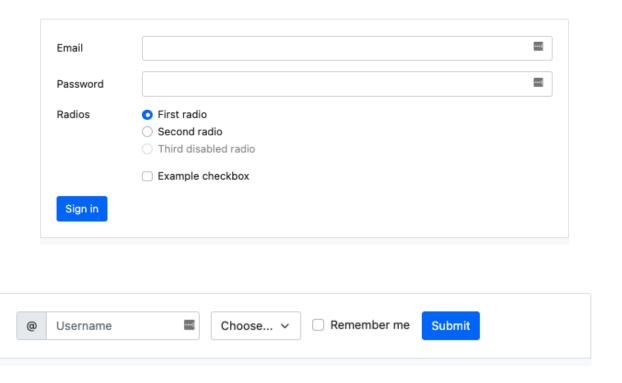


For style the submit button we can use .btn classes -

```
email@example.com
                                                     Confirm identity
                          Password
                                                                                         Copy
<form class="row g-3">
  <div class="col-auto">
   <label for="staticEmail2" class="visually-hidden">Email</label>
    <input type="text" readonly class="form-control-plaintext" id="staticEmail2" value="em</pre>
  </div>
  <div class="col-auto">
   <label for="inputPassword2" class="visually-hidden">Password</label>
    <input type="password" class="form-control" id="inputPassword2" placeholder="Password"</pre>
  </div>
  <div class="col-auto">
    <button type="submit" class="btn btn-primary mb-3">Confirm identity</button>
  </div>
</form>
```

Form layouts - Bootstrap gives us some already made form layouts that we can use and customize:





For more details: **Bootstrap documentation** 

#### Form validation:

- **is-valid** create a green border around the valid input
- valid-feedback allow you to add a comment about the validation like: "Looks good" the comment will be with green color





- **is-invalid** create a red border around the invalid input
- **invalid-feedback** allow you to add a comment about the validation like: "Please fill a valid city" the comment will be with red color

```
<div class="col-md-6">
  <label for="validationServer03" class="form-label">City</label>
  <input type="text" class="form-control is-invalid" id="validationServer03" aria-descri
  <div id="validationServer03Feedback" class="invalid-feedback">
    Please provide a valid city.
  </div>
```



## Class Exercise - Bootstrap Form



#### **Instructions:**

• Create the following form image using Bootstrap:



Create new account	
Fist name	
Fist name	
Last name	
Last name	
How do you know about us ?	
• FRIEND	
FACEBOOK	
OTHER	
Create a Password	
Must be 8-20 characters long.	
Choose a question to reset your password	
Choose a question	<b>*</b>
Response	
Response	
Email address	
Enter email	
We'll never share your email with anyone else.	
Send picture for your profile	
Choose picture	Browse
☑ I agree to the policy	
☐ Send me all the news	
Submit	

# **Class Exercise - Bootstrap Form Solution**



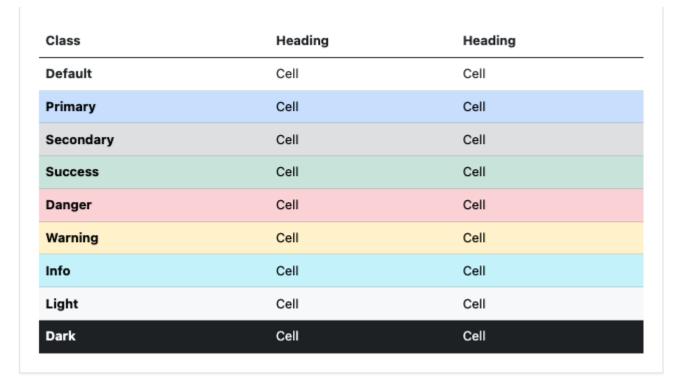
.table - Bootstrap table base class

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

```
Copy
<thead>
#
 First
 Last
 Handle
</thead>
1
 Mark
 0tto
 @mdo
 2
 Jacob
 Thornton
 @fat
 3
 Larry the Bird
 @twitter
```

**.table-primary** - change the table text color and background We have a lot of different colors we can choose from:

```
<!-- On tables -->
...
...
...
...
...
...
...
...
...
```



Note: we can apply color on the entire table or on specific rows or cells

**Pagination -** is the process of dividing a document into discrete pages, either electronic pages or printed pages

We can see how pagination is applying on websites that have list of multiple results



In order to use Bootstrap pagination style we need to wrap our list with <nav> element

Then use the .pagination class to give the list the Bootstrap pagination style



We can also work with icons instead of the "Previous" and "Next" buttons

For more information: Bootstrap Pagination Documentation

```
« 1 2 3 »
<nav aria-label="Page navigation example">
 class="page-item">
     <a class="page-link" href="#" aria-label="Previous">
      <span aria-hidden="true">&laquo;</span>
    </a>
   class="page-item"><a class="page-link" href="#">1</a>
   <a class="page-link" href="#">2</a>
   class="page-item"><a class="page-link" href="#">3</a>
   class="page-item">
    <a class="page-link" href="#" aria-label="Next">
      <span aria-hidden="true">&raguo:</span>
    </a>
   </nav>
```

## Class Exercise - Bootstrap Table



#### **Instructions:**

• Create the following table image using Bootstrap:

Month	Number of Sales	Amount
Jan	105	\$15,000.00
Feb	95	\$12,000.00
Mar	150	\$20,000.00
Apr	50	\$30,000.00
May	80	\$15,000.00
Jun	110	\$22,000.00
Total		\$114,000.00



# **Class Exercise - Bootstrap Table Solution**



