

Bootstrap 4 by Example

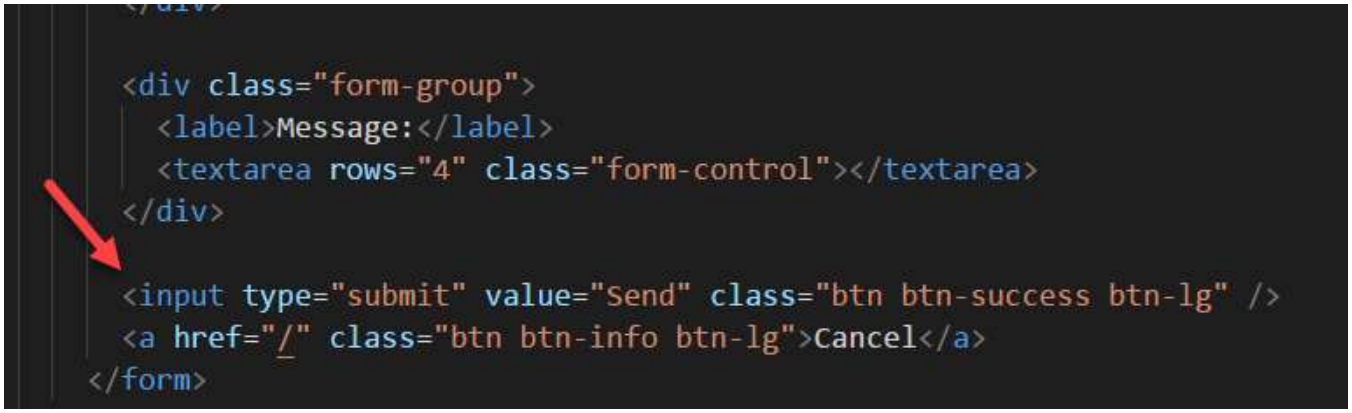
Lab 4 Instructions

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Remember, you can get the before and after folders from the original zip explained in the Module 1 Lab. You'll also need to run both of these commands to start serving the project:

```
> npm install
> npm start
```

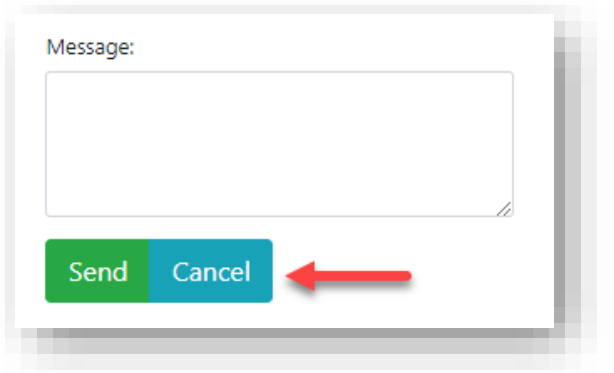
1. Button Group
    a. Open the index.html.
    b. Find the **submit** button on the form near the bottom of the page.



    c. Wrap the **submit** button and the **anchor** with a **div**.
    d. Add the **btn-group class** to the surrounding **div**:

```
<div class="btn-group">
  <input type="submit" value="Send" class="btn btn-success btn-lg" />
  <a href="/" class="btn btn-info btn-lg">Cancel</a>
</div>
```

e. Show this in the browser:



2. Input Group
    a. Find the **email input** in the **form**:



    b. Wrap the **input** only with a **div**.
    c. Add the **class** of **input-group** to the new **div**.

```
<div class="form-group">
  <label>Email:</label>
  <div class="input-group">
    <input type="email" class="form-control" />
  </div>
</div>
```

    d. Add a new **div** just inside the **input-group** and set the **class** to **input-group-pre**.

```
<div class="form-group">
  <label>Email:</label>
  <div class="input-group">
    <div class="input-group-pre">
    </div>
    <input type="email" class="form-control" />
  </div>
</div>
```

e. Finally, inside the **input-group-pre**, put a **span** of class **input-group-text** and specify **@** for the content:

```
<div class="form-group">
  <label>Email:</label>
  <div class="input-group">
    <div class="input-group-pre">
      <span class="input-group-text">@</span>
    </div>
    <input type="email" class="form-control" />
  </div>
</div>
```

f. See this working:



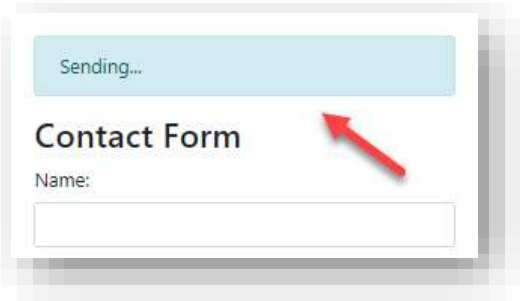
3. Alert
    a. Find the **<h3>** just above the form:



    b. Add a new **div** before the **h3**.
    c. Set its **class** to '**alert**' and **alert-info**.
    d. Inside put the text "Sending…":

```
<div class="col-md-3 col-lg-4 col-sm-2">
  <div class="alert alert-info">Sending...</div>
  <h3>Contact Form</h3>
```

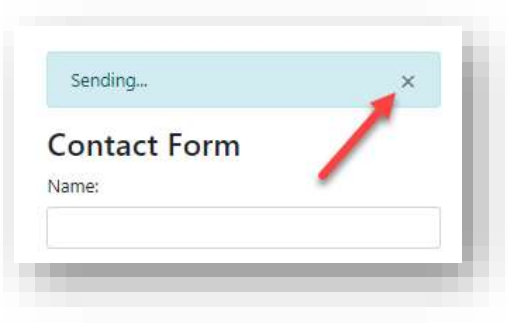
    e. See this in the browser:



    f. Just before the text, add a new **div** setting the class to "**close**".
    g. Inside the new **div** put **×** as the content:

```
<div class="alert alert-info">
  <div class="close">&times;</div>
  Sending...
</div>
```

h. See this in the browser:



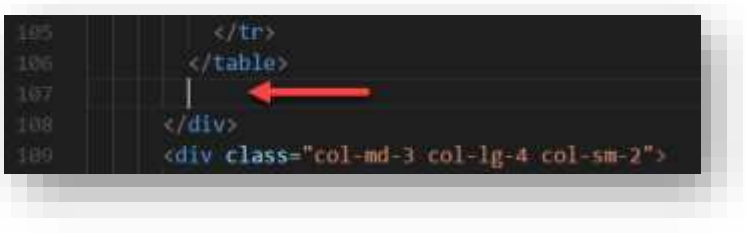
i. Click on the close button and see how it doesn't do anything yet.

j. Add **data-dismiss** = **alert** to the **close div**:

```
<div class="alert alert-info">
  <div class="close" data-dismiss="alert">&times;</div>
  Sending...
</div>
```

k. See this working now in the browser.

4. Card
    a. Find the space after the table and before the closing **div** at the end of the main column:



    b. Add a new **div** with a **class** of **card**.
    c. Add a **<h3>** inside that has the word "Pluto":

```
    </table>

    <div class="card">
      <h3>Pluto</h3>
    </div>

  </div>
```

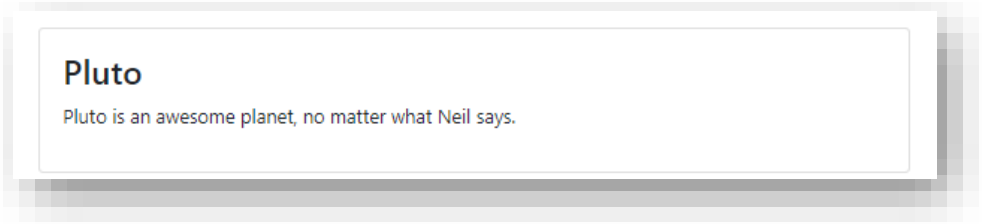
    d. See this in the browser:



    e. Wrap the **h3** in a **div** and set its **class** to **card-body**.
    f. Add a **paragraph** after the **h3** with some text about pluto:

```
    <div class="card">
      <div class="card-body">
        <h3>Pluto</h3>
        <p>Pluto is an awesome planet, no matter what Neil says.</p>
      </div>
    </div>
```

g. See this in the browser (note the padding that was added):



h. Add a new **img** before the **card-body** tag with a class of **card-img-top**:

```
<div class="card">
  <img src="/img/pluto.jpg" class="card-img-top" />
  <div class="card-body">
    <h3>Pluto</h3>
    <p>Pluto is an awesome planet, no matter what Neil says.</p>
  </div>
</div>
```

i. See this with the image occupying the top block:



j. Wrap the card with a new div with a class of 'col'.

```
<div class="col">
  <div class="card">
    <img src="/img/pluto.jpg" class="card-img-top" />
```

```
      <div class="card-body">
        <h3>Pluto</h3>
        <p>Pluto is an awesome planet, no matter what Neil says.</p>
      </div>
    </div>
  </div>
```

k. Copy the block and make two more copies.

l. Surround all three with another div with a class of 'row':

```
  <div class="row">
    <div class="col">
      <div class="card">
        <img src="/img/pluto.jpg" class="card-img-top" />
        <div class="card-body">
          <h3>Pluto</h3>
          <p>Pluto is an awesome planet, no matter what Neil says.</p>
        </div>
      </div>
    </div>
    <div class="col">
      <div class="card">
        <img src="/img/pluto.jpg" class="card-img-top" />
        <div class="card-body">
          <h3>Pluto</h3>
          <p>Pluto is an awesome planet, no matter what Neil says.</p>
        </div>
      </div>
    </div>
    <div class="col">
      <div class="card">
        <img src="/img/pluto.jpg" class="card-img-top" />
        <div class="card-body">
          <h3>Pluto</h3>
          <p>Pluto is an awesome planet, no matter what Neil says.</p>
        </div>
      </div>
    </div>
  </div>
```

m. See this in the browser too:

