



Bootstrap 4 by Example

Lab 5 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. Collapse

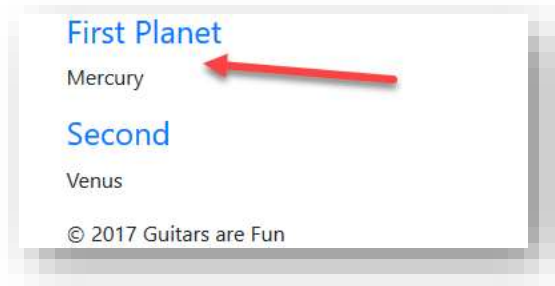
- Open the **index.html** file.
- Find the **div** near the end of the first column with **First Planet** in it:

```
153 <div>
154   <h4>
155     <a href="#">First Planet</a>
156   </h4>
157   <div>
158     <p>Mercury</p>
159   </div>
160   <h4>
161     <a href="#">Second</a>
162   </h4>
163   <div>
164     <p>Venus</p>
165   </div>
166 </div>
```

- In the div after the first h4, add an id of 'first'.
- In the anchor, add data-toggle='collapse' and data-target='#first'.
- Back in the #first div, add a class for collapse and show:

```
<h4>
  <a href="#" data-toggle="collapse" data-target="#first">First Planet</a>
</h4>
<div id="first" class="collapse show">
  <p>Mercury</p>
</div>
```

- f. Open the browser and click on the link to show that you can now collapse the div section:



- g. Repeat this with the second **anchor** and div but set the second **div's class** to **collapse** and **hide**:

```
<div>
  <h4>
    <a href="#" data-toggle="collapse" data-target="#first">First Planet</a>
  </h4>
  <div id="first" class="collapse show">
    <p>Mercury</p>
  </div>
  <h4>
    <a href="#" data-toggle="collapse" data-target="#second">Second</a>
  </h4>
  <div id="second" class="collapse hide">
    <p>Venus</p>
  </div>
</div>
```

- h. Show how you can open and close the second one now:



2. Accordion

- Continuing with the **first** and **second** **divs** from the last section.
- In the div that contains all the content, add an **id** of '**planet-parent**':

```
<div id="planet-parent">

  <h4>
    <a href="#" data-toggle="collapse" data-target="#first">First Planet</a>
  </h4>
  <div id="first" class="collapse show">
    <p>Mercury</p>
  </div>

  ...

</div>
```

- In each of the inner **divs** (e.g. **#first**, **#second**), add **data-parent="#planet-parent"**:

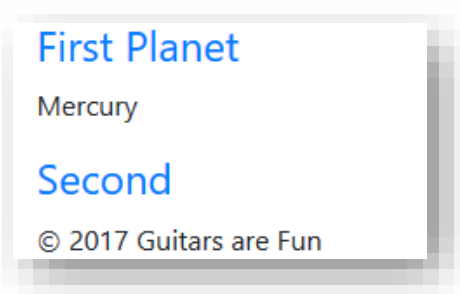
```
<div id="planet-parent">

  <h4>
    <a href="#" data-toggle="collapse" data-target="#first">First Planet</a>
  </h4>
  <div id="first" class="collapse show" data-parent="#planet-parent">
    <p>Mercury</p>
  </div>

  <h4>
    <a href="#" data-toggle="collapse" data-target="#second">Second</a>
  </h4>
  <div id="second" class="collapse hide" data-parent="#planet-parent">
    <p>Venus</p>
  </div>

</div>
```

- Show this in the browser, and see how you can only have one of the two sections open any one time:



3. Carousel

- a. Find the top of the left column:

```

32 | <section class="row">
33 |   <div class="col-md-9 col-lg-8 col-sm-10">
34 |     <h3>Stars in the Heavens</h3>
35 |     Across the centuries, another world at the e

```

- b. Add four **img** tags with these images:

```






```

- c. Wrap the images with a **div** with the **class** of 'row'.
- d. Wrap the images in a **div** with the **class** 'carousel'.
- e. Wrap it a third time, with a **class** 'carousel-inner':

```

<div class="row">
  <div class="carousel">
    <div class="carousel-inner">
      
      
      
      
    </div>
  </div>
</div>

```

- f. Wrap each **img** with a **div** element with the **class** of **carousel-item**.
- g. Add to the first item's **class** '**active**':

```
<div class="carousel-item active">
  
</div>
<div class="carousel-item">
  
</div>
<div class="carousel-item">
  
</div>
<div class="carousel-item">
  
</div>
```

- h. View in the browser and you'll see the carousel's first image and the rest of them are hidden.
- i. Go back to the HTML, and add **data-ride="carousel"** to the main div and add '**slide**' to the **class**:

```
<div class="row">
  <div class="carousel slide" data-ride="carousel">
    <div class="carousel-inner">
```

- j. Open the browser and see it slide every several seconds:

