



Bootstrap 4 by Example

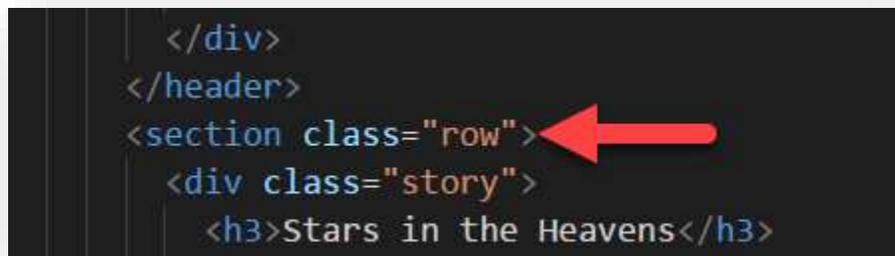
Lab 2 Instructions

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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. Using the Simple Grid
 - a. Open the index.html
 - b. Find the **section** tag.
 - c. Add a **class** of **'row'** to the section:



```
</div>
</header>
<section class="row">
  <div class="story">
    <h3>Stars in the Heavens</h3>
```

- d. In the next **div**, replace **story** with **col**.
 - e. Scroll down and find the next **div** that contains the **form**.

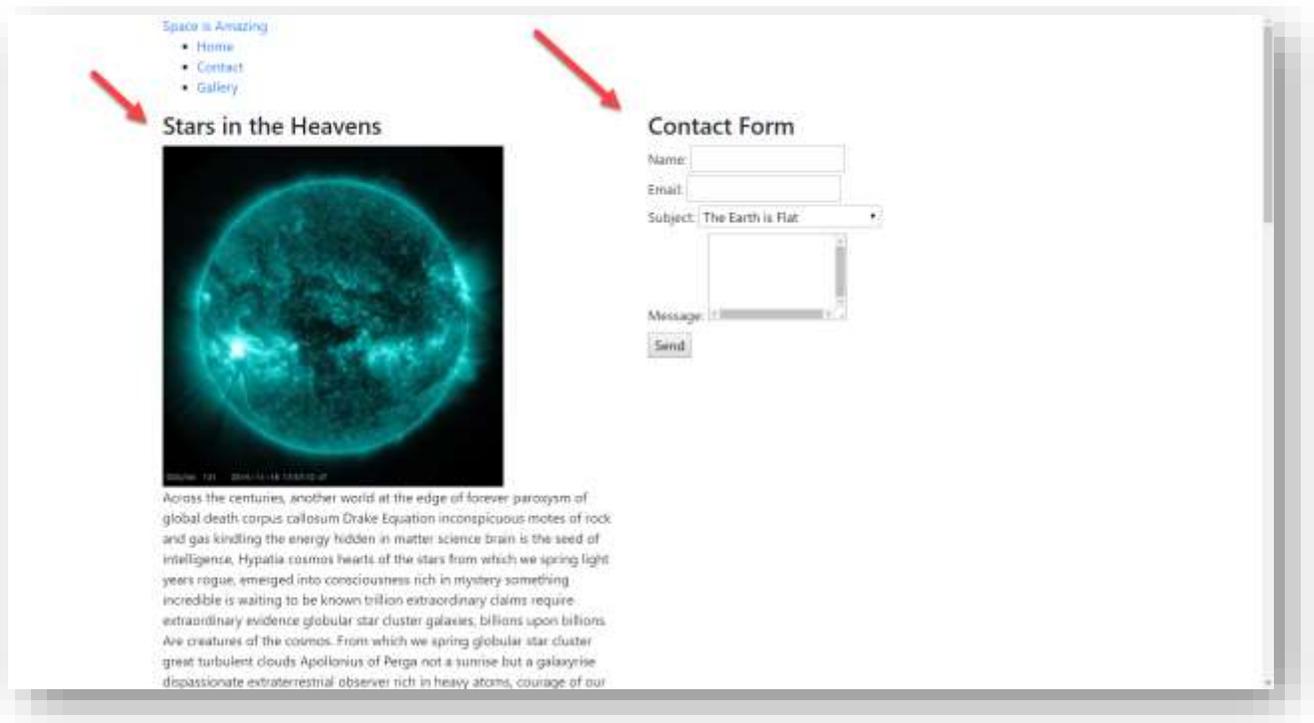
f. Add a class of col to it too:

```

106     </table>
107   </div>
108   <div class="col"> ←
109     <h3>Contact Form</h3>
110     <form>
111       <label>Name:</label>
112       <input type="text" />

```

g. Show this to see the two sections split on the page:



2. Using Grid Sizes

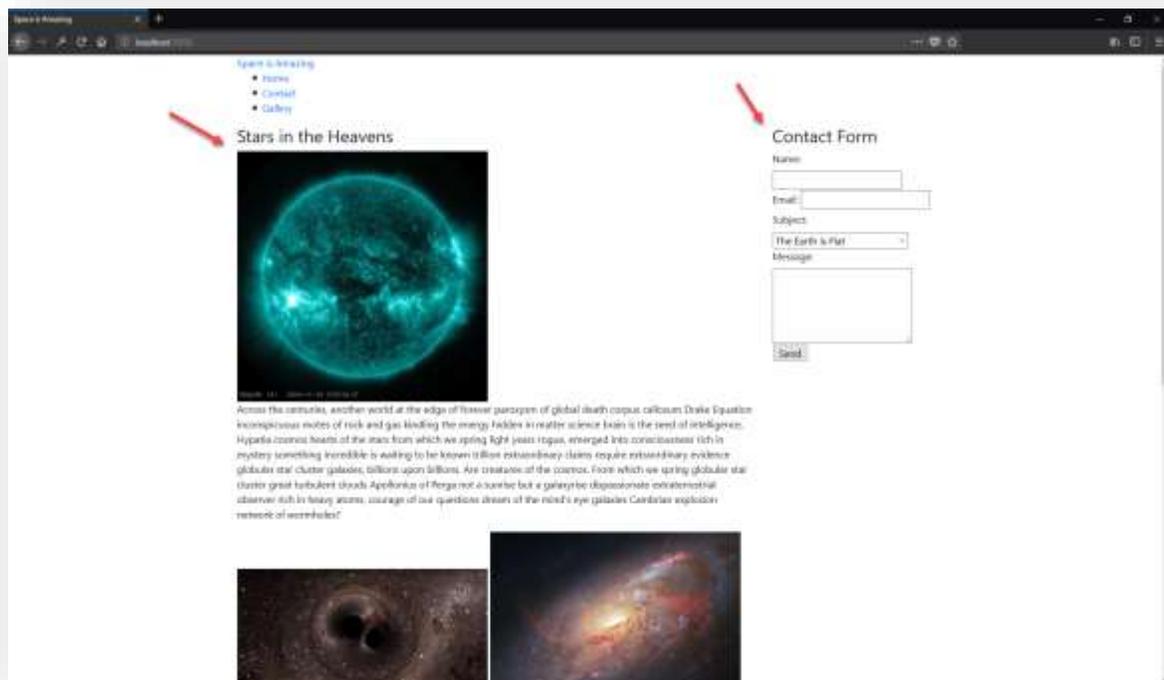
- a. Change the **class col** on the main **div** and the form **div** to be **col-md-6**.

```

31 </header>
32 <section class="row">
33   <div class="col-md-6">...
107 </div>
108   <div class="col-md-6">...
133 </div>
134 </section>
135 <footer>

```

- b. See how it's acting the same since we have two columns of six.
- c. Change it to **col-md-9** and **col-md-3**.
- d. See how it's now breaking it up at 75% and 25% inside the row. This is because the 12 columns are split along those lines (e.g. $9/12 = 75\%$, $3/12 = 25\%$):



3. Nested Grid

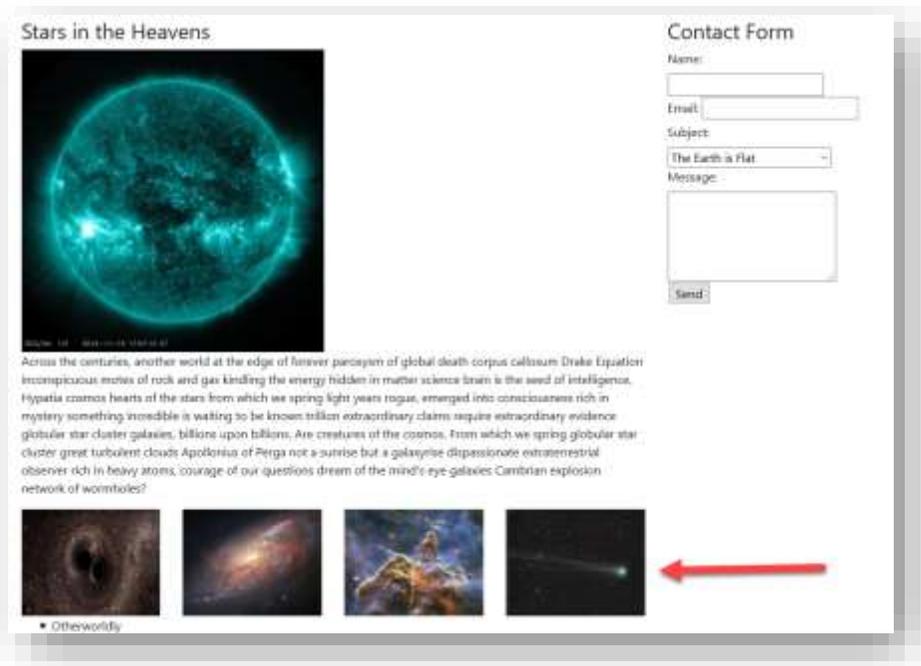
- a. In the **index.html** file, find the **div** with four images in it:

```
<div>
  
  
  
  
</div>
```

- b. Add a **class** of **row** to the **div** on the outside.
- c. By creating a row inside another column, we can divide up our new container into a 12 by grid.
- d. To do this, add **class** of **col** to each of the images.

```
<div class="row">
  
  
  
  
</div>
```

- e. Show this working:



4. Responsive Breaks

- a. Go back to the **div** with a column width of 9.
- b. Add a **col-lg-8** and a **col-sm-10**:

```
<section class="row">
  <div class="col-md-9 col-lg-8 col-sm-10">
    <h3>Stars in the Heavens</h3>
```

- c. Go back to the **div** containing the **form**, and add **col-lg-4** and **col-sm-2**:

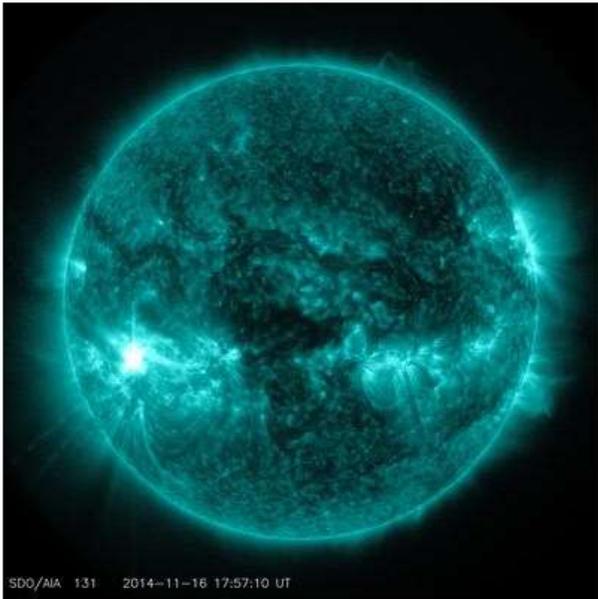
```
<div class="col-md-3 col-lg-4 col-sm-2">
  <h3>Contact Form</h3>
  <form>
```

- d. Show this in the browser. Change the width of the columns to see the different sizes take shape:

Space is Amazing

- [Home](#)
- [Contact](#)
- [Gallery](#)

Stars in the Heavens



SDO/AIA 131 2014-11-16 17:57:10 UT

Across the centuries, another world at the edge of forever paroxysm of

Contact Form

Name:

Email:

Subject:

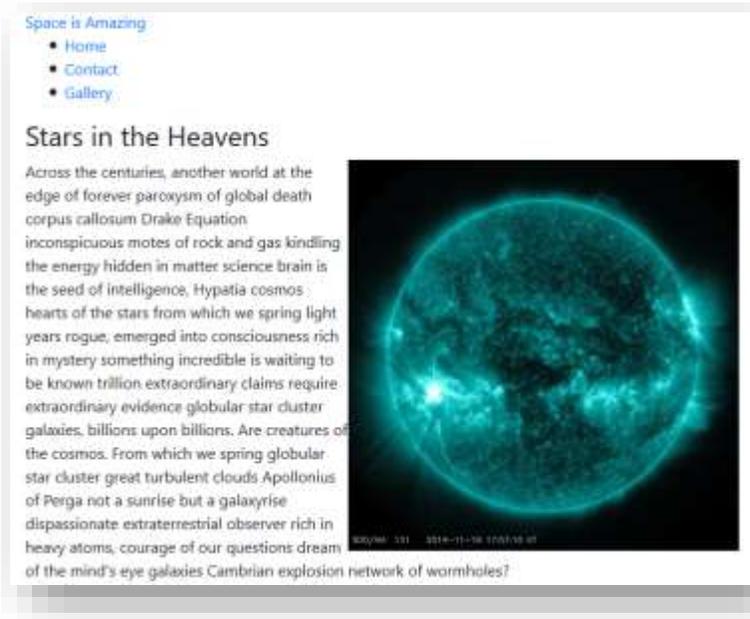
Message:

5. Using Display Helpers

- a. Go to the image inside the main story.
- b. Add a class of float-right to make it wrap around the image:

```
<section class="row">
  <div class="col-md-9 col-lg-8 col-sm-10">
    <h3>Stars in the Heavens</h3>
    
```

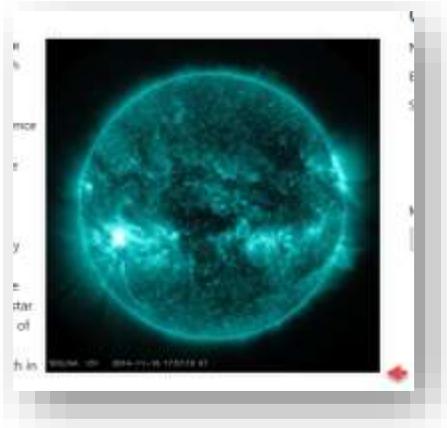
- c. Show this working:



- d. Add **img-thumbnail** to apply the look of a framed image:

```
<section class="row">
  <div class="col-md-9 col-lg-8 col-sm-10">
    <h3>Stars in the Heavens</h3>
    
```

e. Show this:



f. Finally, add **w-25** to force the width to be maximum of 25% of the width:

```
<section class="row">
  <div class="col-md-9 col-lg-8 col-sm-10">
    <h3>Stars in the Heavens</h3>
    
```

g. Show this reducing its size:

