

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:



- 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:



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

Home Contact Gallery	
Stars in the Heavens	Contact Form
	Name
	Email
	Subject: The Earth is Hat
	Mossage Send
Across the centuries, another world at the edge of longer parcourt of	
global death corpus callosum Drake Equation inconspicuous motes of rock	
and gas kindling the energy hidden in matter science brain is the seed of intelligence. Hypetia cosmos basets of the stars from which we write light	
years rogue, emerged into consciousness rich in mystery something	
incredible is waiting to be known trillion extraordinary claims require	
extraordinary evidence grooular star cluster galaxies, billions upon billions. Are creatures of the coursos. From which we epring globular star cluster	
great turbulent clouds Apollonius of Perga not a sunrise but a galaxyrise	
dispassionate extraterrestrial observer rich in heavy atoms, courage of our	

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



- 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:



- 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"</pre>
```

```
<img src="/img/black-hole.jpg" class="col" />
<img src="/img/M-106.jpg" class="col" />
<img src="/img/mystic-mountain.jpg" class="col" />
<img src="/img/comet.jpg" class="col" />
</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**:

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

Contact	
Gallery	
Stars in the Heavens	Contact
	Form
	Name:
	Email:
	Subject:
	The Earth is Flat
	Message:
SD0/AIA 131 2014~11=16 12:57:10 UT	Send

- 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">
```

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>
        <img src="/img/sunspots.jpg" alt="star" class="float-right img-thumbnail" />
```

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>
        <img src="/img/sunspots.jpg" alt="star" class="float-right img-thumbnail w-25" />
```

g. Show this reducing its size:

Space is Amazing	
• Home	
Contact	1
Gamery	/
Stars in the Heavens	Contact Form
Across the centuries, another world at the edge of forever paroxysm of global	Name:
death corpus callosum Drake Equation inconspicuous motes of rock and gas	Email
kindling the energy hidden in matter science brain is the seed of intelligence,	LINNI,
Hypatia cosmos hearts of the stars from which we spring light years rogue,	Subject: The Earth is Flat ~
emerged into consciousness rich in mystery something incredible is waiting	
to be known trillion extraordinary claims require extraordinary evidence	
globular star cluster galaxies, billions upon billions. Are creatures of the	
cosmos. From which we spring globular star cluster great turbulent clouds	
Apollonius of Perga not a sunrise but a galaxyrise dispassionate extraterrestrial observer rich in heavy	Message:
atoms, courage of our questions dream of the mind's eye galaxies Cambrian explosion network of wormholes?	Send