I399 Web Design

Lab 10

EXPLORING BOOTSTRAP4

Today: looking stuff up
Next week: create stuff
https://v4-alpha.getbootstrap.com/

Any remaining time you have left today in lab,
please feel free to work on projects or consult with AIs.

#1 PRACTICE SETTING UP A BOOTSTRAP PROJECT

1) Create a folder **"Lab 10"**

2) https://v4-alpha.getbootstrap.com/getting-started/introduction/#starter-template

Same as going:
Documentation > Introduction > Starter Template

3) Copy the starter template and make that your **index.html** in your "Lab 10" folder

#1 PRACTICE SETTING UP A BOOTSTRAP PROJECT

index.html:

- **Add a link to styles.css** in <head>

- Add a **<title>** in <head>

- *Inside the <body> should look like this:*

<div class="container">
    <h1>Hello, world!</h1>
</div>

#1 PRACTICE SETTING UP A BOOTSTRAP PROJECT

4) Create **styles.css** and place it into a **css folder** within your "Lab 10" project folder

5) https://v4-alpha.getbootstrap.com/layout/overview/

6) Copy the **responsive breakpoints** and paste these into **styles.css**

7) **Re-comment** out the lines starting with "//"

8) **Take out the triple dots** representing "put your content here"

Bootstrap

Bootstrap

Documentation

Examples

Themes

Expo

Blog

B

Bootstrap is the most popular HTML, CSS, and JS framework in the world for building responsive, mobile–first projects on the web.

#1 PRACTICE SETTING UP A BOOTSTRAP PROJECT

9) Create an images folder in your "Lab 10" project folder.

Save a copy as "Bootstrap Template" if you'd like and you can use it for our projects in class and for Project 5!

Use this set up today whenever we ask you to "TRY". No need to make things pretty. Just make them work. Answer in a Word doc if we say "Q…"

Bootstrap4 is still pretty buggy.. If you have issues, just let you AI know. Others might be having the same problem.

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Bootstrap is the most popular HTML, CSS, and JS framework in the world for building responsive, mobile-first projects on the web.

EXPLORING BOOTSTRAP4

For Section #2 on, if it says "TRY" this means code this in your project setup for today.

If it says "Q" and a number, then answer the question in a Word document.
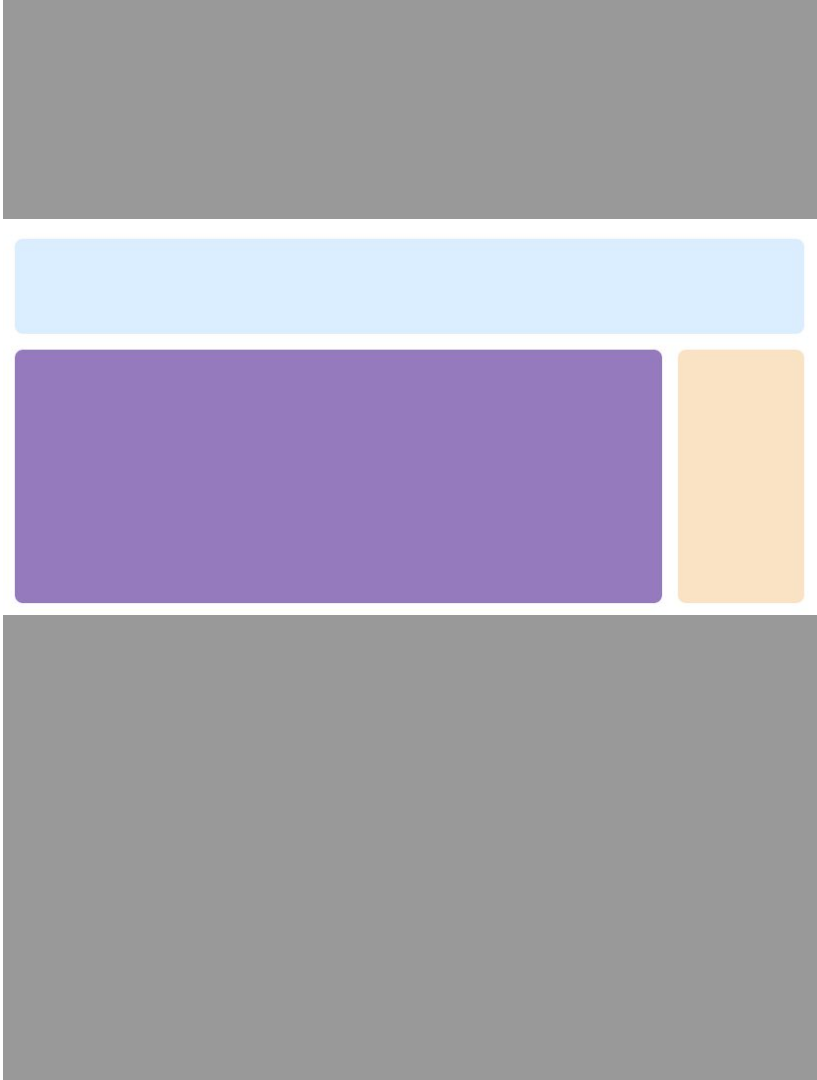
#2 LAYOUT

Q1: If I'm using a grid, is the *container* class required?

Q2: Could I use the *container* class even if I don't want to use a grid?

Q3: What is the purpose of *container-fluid*?

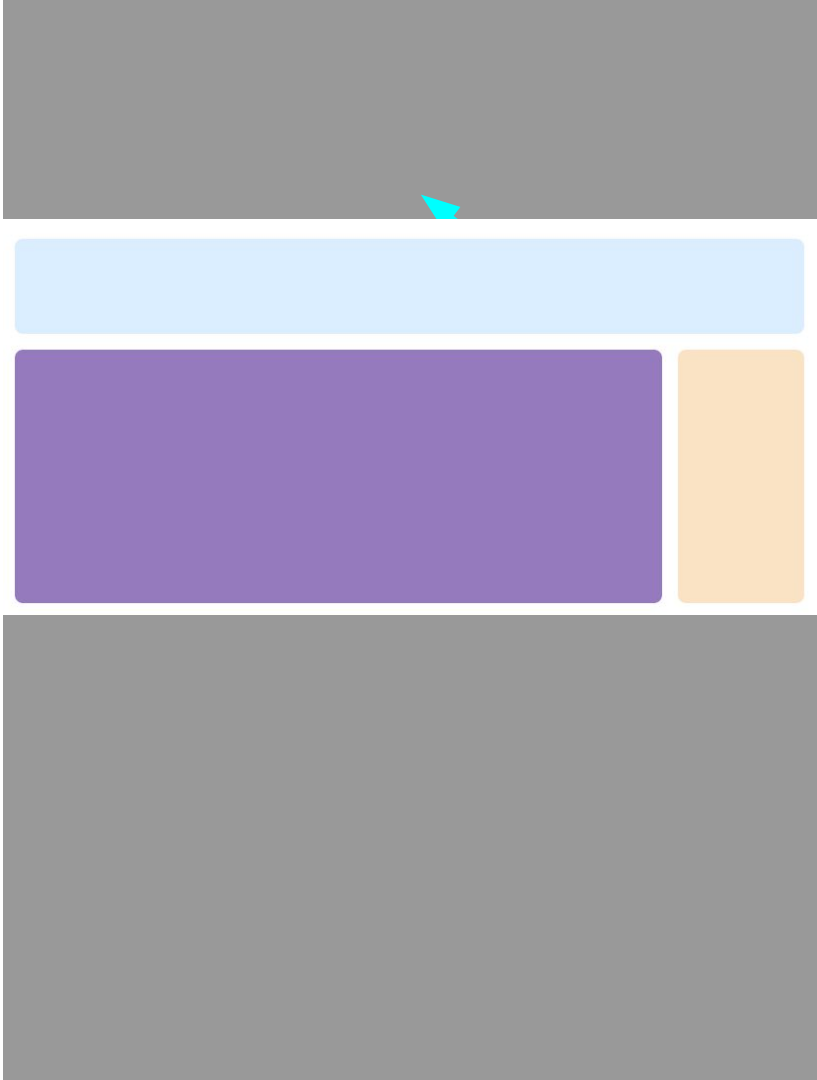Q4: How many breakpoints does Bootstrap4 use? (Hint: How many media queries?)

#3 CONTENT

TRY: Add a **blockquote** (with a **source**) to your Lab 10 project.

Q1: What class do we add to <img> if we want to make it responsive?

TRY: Add a table with striped rows.

Q2: Can the image in a **<figure>** be made to be responsive in Bootstrap4?
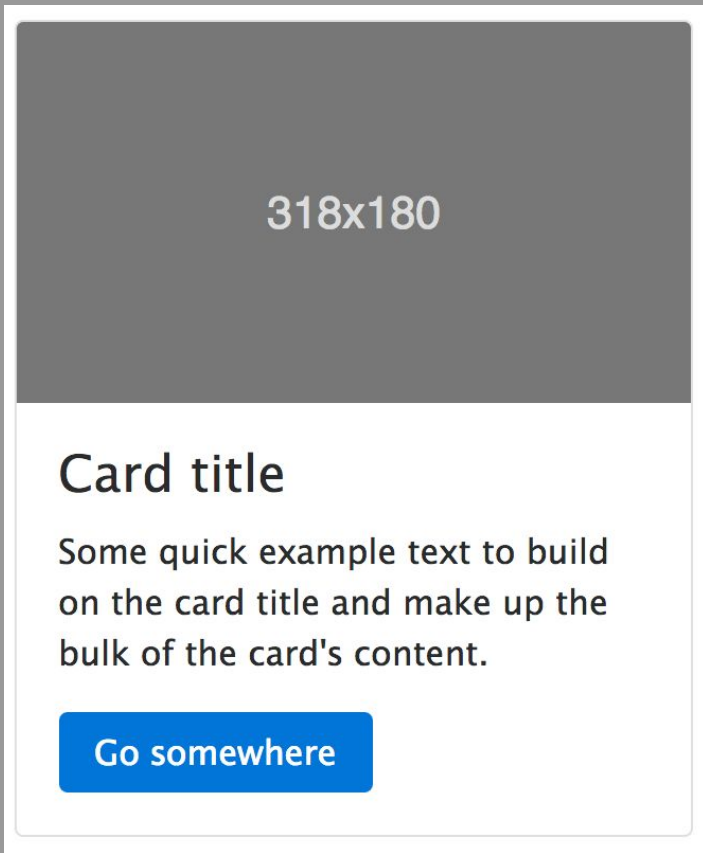
#4 COMPONENTS

TRY: Add a **large, green, outlined button.**

Success

Q1: What is a "carousel"?

Q2: Can I make the slides in my carousel switch at a slower rate?

TRY: Turn the green button into a single button dropdown.

318x180

Card title

Some quick example text to build on the card title and make up the bulk of the card's content.
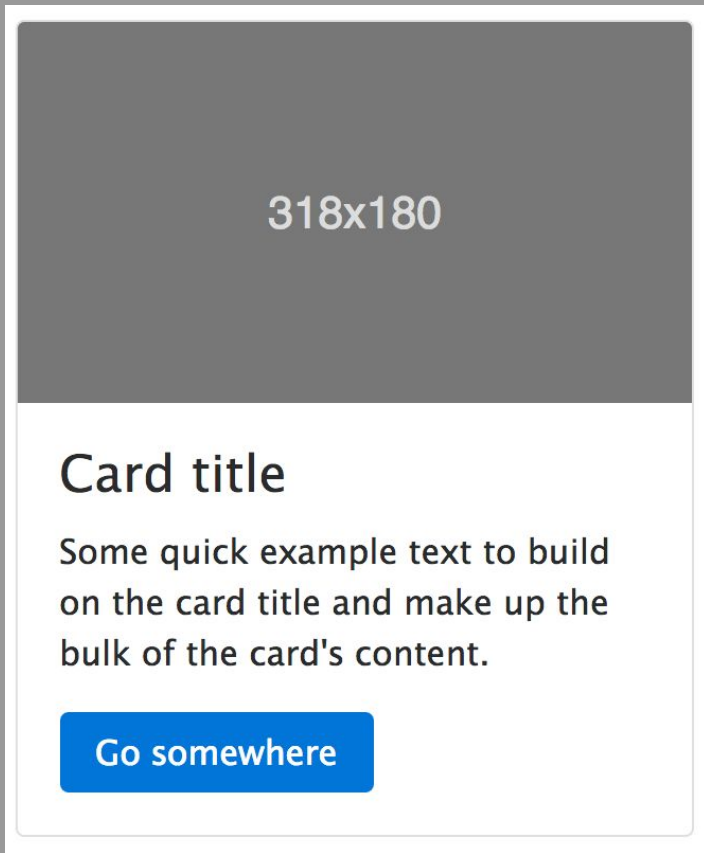
Go somewhere

#4 COMPONENTS

Q3: Which of the following would be most likely to support an element like a "jumbotron"? (1) a homepage, (2) a landing page or (3) an inside page?

Q4: Launch a demo of a modal. What happens?

TRY: Create a new button and add a popover on the bottom.

TRY: Add a light blue progress bar labeled 80% complete.. This is how far along you are in lab.

#5 UTILITIES

TRY: Give the image you added earlier rounded corners.

Q1: We have a code snippet (on Canvas pages) we've used to hide an <h1> and show a logo as an image. What Bootstrap4 utility class or classes might be able to do something similar?

TRY: Add a video from youtube or vimeo as a responsive embed.

Nullam id dolor id nibh ultricies vehicula ut id elit.

Duis mollis, est non commodo luctus, nisi erat porttitor ligula.

Maecenas sed diam eget risus varius blandit sit amet non magna.

Etiam porta sem malesuada magna mollis euismod.

Donec ullamcorper nulla non metus auctor fringilla.

Cras mattis consectetur purus sit amet fermentum.

#5 UTILITIES

Q2: What does the spacing class **mt-0** do?

TRY: Add a sentence and using the typography classes, make it center aligned and bold.

FINAL QUESTION: What company developed Bootstrap and how many years has Bootstrap been around?

Nullam id dolor id nibh ultricies vehicula ut id elit.

Duis mollis, est non commodo luctus, nisi erat porttitor ligula.

Maecenas sed diam eget risus varius blandit sit amet non magna.

Etiam porta sem malesuada magna mollis euismod.

Donec ullamcorper nulla non metus auctor fringilla.

Cras mattis consectetur purus sit amet fermentum.

Finished?

Zip your project test code from today.

Then upload your **zipped folder** and the **Word doc** with your answers to the questions from today to Canvas.