IST 363

# Lab 05

## This Lab Covers

* Bootstrap Basics

## Lab Corrections

1. If you didn’t get a perfect score on the tailwind page in lab 4, check your corrections list comments in blackboad. Submit the url to your corrections for this part.

## Warmup

* 1. Bootstrap Navigation: <https://getbootstrap.com/docs/5.0/components/navbar/>  
     What is the purpose of .navbar-toggler and .collapse in a Bootstrap navbar?

How can you align navigation items to the right within a navbar?

* + - * .navbar-toggler creates a toggle button that can be help to make the nav bar visible/invisible based on screen sizing, utilizing .collapse makes it a collapsible element, typically starting out hidden and then shown/expanded once engaged
      * ms-auto within the <ul> directs nav items to the right
  1. Bootstrap Buttons: <https://getbootstrap.com/docs/5.0/components/buttons/>   
     What are the size options for buttons in Bootstrap, and how are they applied?
     + - There are two sizes (besides auto) which are large or small. Add .btn-lg or .btn-sm for additional sizes.
  2. Gutters  
     What are gutters in Bootstrap, and what is their default behavior?
     + - Gutters are the padding between your columns, used to responsively space and align content in the Bootstrap grid system. They are the gaps between column content, created by horizontal padding.Gutters start at 1.5rem (24px) wide. Both horizontal and vertical gutters cause some overflow below the .row at the end of a page.

What is a block button and where’s a situation where you might want that?

* + - * Responsive stacks of full-width, “block buttons.” Give you much greater control over spacing, alignment, and responsive behaviors. An example of where it may be preferred is at the end of some sort of input page, like a survey or email sign up.

## Bootstrap Page 1

1. Portfolio Page   
   You will be creating the portfolio page (below) in Bootstrap. Do not write any regular CSS to create this page.   
   1. Page Size  
      This design is fixed width. It will not expand to fit 100% of the screen as you shown below. Everything on the page (nav, portfolio images, footer) display in fixed width and line up perfectly.
   2. Portfolio Images  
      These should be perfectly lined up when you are done. Try to figure out my layout on your own.
   3. Navigation: <https://getbootstrap.com/docs/5.0/components/navbar/>  
      Navs are put on the page inside the <nav> tag. Most navbars I make are customizations of the sample code from the documentation page. Check for the copy button (top right) to grab the example code. You will need to read about things like how to change alignment of text, etc.  
        
      **Requirements for your navigation:**  
      Make sure everything is coded with proper Bootstrap navigation classes. The camera is our navigation brand. Navigation should collapse and toggle at mobile size.
   4. Buttons: <https://getbootstrap.com/docs/5.0/components/buttons/>   
      Both the buttons on your page change when rolled over. Here’s a screen shot of both with and without roll over.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mouse Over Slightly Darker |  | | Mouse Over Reverses Colors | |
|  |  |  | |  | |
|  | | | |  | |

**Desktop view**A screenshot of a computer

AI-generated content may be incorrect.

Mobile View

A collage of images of blue and white

AI-generated content may be incorrect.

## What to hand in

Note that if any URL doesn’t work for me, you will get a zero on this part. Ensure github.io is part of the URL in the address bar. If it’s not, you haven’t given me the correct link.

1. For the corrections hand in the URL of the corrected page.
2. For the warmup questions, paste your answers into the template provided in Blackboard.
3. For the main page, hand in the URL

Use the answer template!