GitHub Pages & Bootstrap

DAVID LU

GitHub Pages

Everyone can now host their own website using GitHub!

As you may have noticed, that is at **yourusername.github.io**

GitHub Pages should contain four folders: **css**, **images, js,** and **fonts**

Create those four folders in your repository

GitHub Pages require that your main page is named **index.html**

Ensure that it is

CSS

All your CSS files should be in your CSS folder

Create a file called **style.css** in your CSS folder

Bootstrap

Bootstrap is a CSS framework designed to make website design easy

It is very powerful, utilizing CSS, JavaScript, and jQuery

It includes design templates for almost every type of object

It is responsive
- ◦ Responsive: Adjusts to different screen sizes

Installing Bootstrap

https://github.com/twbs/bootstrap/releases/download/v3.3.7/bootstrap-3.3.7-dist.zip

Download it off the link above or my USB

Extract it to a local folder on your computer

Copy the CSS files into your **css** folder on your website

Copy the js files into your **js** folder on your website

Copy the fonts files into your **fonts** folder on your website

Getting Started

Open your website in Sublime Text as a folder

Place this in your <head>:

```
<link href="css/bootstrap.min.css" rel="stylesheet">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<meta name="viewport" content="width=device-width, initial-scale=1">
```

Containers

Bootstrap has two types of containers to wrap all your site contents

They are denoted by a div with the "container" or "container-fluid" class

You cannot have a container in a container

Create a <div> with class "container-fluid", and wrap it around your content.

Layout

Bootstrap provides a tabular layout with 12 columns

Bootstrap supports 4 different screen sizes
- xs (phones)
- sm (tablets)
- md (desktops)
- lg (large desktops)

In general, our columns should be all sm, columns will be rearranged on smaller devices

You should have a div with class "row" for each row you want on your website
- We will create 3 rows

Bootstrap Columns

Each column is denoted with this classname: `col-SIZE-NUMBER`

- SIZE – the size of the column (xs, sm, md, lg)
- NUMBER – the number of columns (1-12)

The columns in one row must add up to 12

We will create 3 rows

- 4 columns - navigation
- 3 columns – left sidebar, content, right-sidebar
- 1 column - footer

Bootstrap Text

Bootstrap follows HTML formatting for <h1> to <h6>

The <small> tag can be used inside any text tag to create smaller and lighter secondary text

The <code> tag will render content as code

Give your website some content and commit

A page header can be created by using a div with class "page-header"
◦ Underlines elements and adds extra space

Add a page header and commit

Bootstrap Images

Bootstrap images have several classes

- img-rounded – rounded corners

- img-circle – crops to a circle

- img-responsive – automatically adjust to fit screen

Add images to your site, and give them Bootstrap classes

Commit

Bootstrap Jumbotron

A jumbotron is a big box usually used to grab a users' attention

You can place anything inside a jumbotron

Use a <div> with class "jumbotron" to create a jumbotron

You should put your jumbotron outside of any rows, at the top of your website

A jumbotron inside a container does not extend to the screen's edges, a jumbotron outside does

Make a jumbotron and commit

Practice

Create 3 more pages for your website, and link them together

They should appear in the navigation for your website, all links should work