Web Design / Dev Tutorial

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Resources

Create GitHub Account https://github.com/join

GitHub Desktop Download https://desktop.github.com/

Git Download https://git-scm.com/download

Visual Studio Code Download https://code.visualstudio.com/download

Bootstrap Documentation https://getbootstrap.com/docs/5.1/getting-started/introduction/

Bootstrap Resource https://www.w3schools.com/bootstrap5/index.php

HTML Resource https://www.w3schools.com/html/html_intro.asp

CSS Resource https://www.w3schools.com/css/css_intro.asp

Color Picker https://www.w3schools.com/colors/colors_picker.asp

Reference Files

Web Design / Dev Tutorial Folder*

*The image isn't included in the folder.

What the reference files create

Starting Out

1. Create a GitHub Account

2. Download & Install Visual Studio Code

3. Download & Install GitHub Desktop

4. Download & Install Git

    a. Leave default selected components

    b. Choose Visual Studio Code as Git's default editor

    c. Leave default selected option until the final page

        i. On the final page uncheck View Release Notes

    d. Click Finish

Creating a Repository

1. Open GitHub Desktop

    a. Click File > New Repository

        i. Choose a Name

        ii. Choose MIT License

        iii. Click Create repository

    b. Select your editor in Options as Visual Studio Code

        i. Click Save

    c. Click Open in Visual Studio Code

2. With Visual Studio Code Open

    a. Find the Explorer Bar on the left

        i. To create files and folders right click

    b. Create a file named index.html

    c. Create a file named about.html

    d. Create a folder named css

        i. Within the css folder create a file named style.css

    e. Create a folder named images

Viewing your Progress

1. Save your work

2. Navigate to the Explorer Bar on the left

    a. Right click on index.html and click Reveal in File Explorer

    b. <u>In the File Explorer window</u> right click index.html

        i.   Hover over Open with and then click your default web browser

3. This will show you what your website looks like with your current code. However, the link at the top of your browser will only work for you as it just leads to your local drive. For others to be able to view your site you will still need to publish it.

Publishing a Website w/ GitHub Pages

1. Once you have finished coding and saved all of your changes navigate to Source Control (far left under the search icon)

    a. Hover over Changes & click the plus icon to stage your changes

    b. At the top of Source Control click the checkmark to commit the staged changes

    c. Type a succinct description of what the commit includes then press enter

2. Click Publish Branch

    a. <u>In the browser window</u> authorize Visual Studio Code access to GitHub

    b. <u>In the browser window</u> allow GitHub to open Visual Studio Code

    c. In Visual Studio Code click Publish to GitHub public repository

    d. <u>In the browser window</u> authorize GitHub Credential Manager

    e. In Visual Studio Code click yes to periodically run 'git fetch'

    f. In Visual Studio Code click Open on GitHub

3. Finalization

    a. <u>In the browser window</u> open Settings (located above your repository)

b. Click Pages (under Code and automation)

c. Set the source as main & click save

d. The site will be published at the url above! (it may take a minute or two before the page is available)

Future Changes to your Website

1. If you are satisfied with a change to your website you will have to commit that change to your GitHub repository in order for it to appear on your published website. These are the same steps as 1a-1c under "Publishing a Website w/GitHub Pages".

2. Once you have finished coding and saved all of your changes navigate to Source Control (far left under the search icon)

   a. Hover over Changes & click the plus icon to stage your changes

   b. At the top of Source Control click the checkmark to commit the staged changes

   c. Type a succinct description of what the commit includes then press enter

3. Additionally, when you have a web page open in your browser you can right click & select inspect to view the code.