Create a GitHub Portfolio for Class Work Using GitHub Pages

A large portion of the class grade will be the work you upload to your portfolio. This will be a combination of code, code narrative, reports, and presentations. The three steps to set up and create the portfolio are:

1. Set up a GitHub account if you don't have one
2. Create GitHub Page for this class
3. Organize and upload material as completed (you will also upload work to eLearning for the TA to grade)

This document will show you how to do the basics needed for class. If you want to take a deeper dive, I suggest this resource: https://yourbrainoncomputers.com/using-github-to-build-a-portfolio-ultimate-guide/

Step 1: Set up a GitHub account (if you don't have one) and a repo for your classwork

- Go to www.github.com and set up a username and password. The basic account is free.

- Optional: set up your profile so that potential employers can find you. There is an option to show your contributions, and another one to check if you are available for hire. There are many other interesting options to read through.

- Install GitHub Desktop on your Windows, Mac, or Linux computer. If you are familiar with git commands, you can just use the command line options, but GitHub desktop makes uploading and modifying your work easier. Google Desktop: https://desktop.github.com/

- Create a repository specifically for this class. Click the + at the upper right and select "New repository". Give it a name, description, and make it public. Also check that you want to set up a README, a gitignore and a License. The license you choose is up to you.
  - You can choose an image for preview purposes on social media
  - You can check the wiki and issues to get feedback from others, or leave them unchecked

- Now that you have a repo, sync this with your GitHub Desktop app.

Step 2: Create a GitHub Page for this class

You can use a template, but plain works for the class requirement, as described below.

1. Enable GitHub Pages in your class repo. Go to your repo on github.com. Select settings and make these changes (you may find "Pages" in settings or in the sidebar):
     1. Source – set the source for GitHub pages to be your repo for the class
     2. Optionally choose a theme
     3. Select a folder just for the pages. GitHub will suggest /docs but you can call it anything else.

     • GitHub will make 2 branches, the default branch you already had, and a gh-pages branch for the pages. GitHub will create file index.md which is markdown for the landing web page. The page uses simple markdown. Read through this page because it contains a lot of helpful information.
     • For example, the page has a link to the Pages editor. Keep that handy. If you lose it, you can figure it out by replacing /blob/ in the url of the page you want to edit with /edit/ like this:
       https://github.com/kjmazidi/Sample_Portfolio/edit/gh-pages/index.md

   2. Modify your index.md file to reflect the basic structure of the course and anything else you want people to know. See the sample for the course shell.
   3. Optional: Create an about page, a contact page, etc. that will let potential employers know more about you.

Step 3: Organize and upload material as follows

1. As you add material, provide a link to it on your main page.
2. Create a readme for each assignment with a narrative of what the assignment shows. Use as many terms as possible, highlighted in *bold*.

Notes:
1. Remember that assignments are uploaded to eLearning for the TA to grade, as well as being uploaded here for the portfolio.