Version Control and Git

Objectives

This assignment is to become familiar with version control and the Git source control system. Please submit this assignment through Canvas as a Word doc, Google Doc, or PDF.

1. Create an account on GitHub.com. Provide your GitHub username. You do not need to sign up for a paid/pro account.

2. Create your own repository on GitHub. Name it VersionControlAssignment, and put something fun into the README file.

3. Use a new branch, and a pull request to add another file to your repository. Include a link to the pull request. You can merge your own pull request.

4. Fork a repository from my account: https://github.com/jefflinwood/hello-world. Add your own files, with a proper commit message, and then issue a pull request back to my original repository. Include a link to your pull request.

5. Find a tutorial for GitHub Pages. Follow the directions to create your own github.io page. Please include both the link to the tutorial (if you used more than one, include them all), and your page. This will also be graded based on perceived effort - please include some styling, images, and links to other pages, not just what the tutorial shows.

6. There is a git command that can help you figure out when a bug was introduced into your code. What is the name of that command? Please also include three tutorials that explain how to use this command. For each of these three tutorials, provide one strength and one weakness for the writing for each - an example strength would be "This has enough screenshots to explain it." An example weakness might be "The author never explained what this command did".

7. (Extra Credit, up to 20 points) - Make a pull request to an existing third-party project on GitHub, and get it merged. A very basic pull request (like adding your name to a list) will only get 5 points, while actually fixing or creating something brought up in an issue could get you the full 20 points. This pull request will have to be merged by the following Tuesday after this assignment is due - if the assignment is already graded, please follow up with a link to the pull request in Canvas or an email. Suggestion: https://www.firsttimersonly.com/

Grading Evaluation

Name	Points	Description
Created GitHub Account	5	There is a GitHub username and profile.
Repository Creation	5	The GitHub repository exists.
Pull Request in your own repository	20	There is a merged pull request in your repository that adds at least one file. The commit message and pull request title are descriptive.
Pull Request against my Hello World repository	20	There is a pull request from your forked repository to my my repository. It adds at least one file. The commit message and pull request title are descriptive.
GitHub Pages	25	There is a link to a GitHub Pages site. There is a link to a tutorial (or tutorials). The website includes links, colors, and images.
Secret Git Command	25	The name of the git command is identified. There are three tutorials listed that use this command. There is a strength and weakness for each.
Extra Credit	20	This will be graded on the basis of whether or not the pull request was merged, and how much effort was put in.
100 + 20		