

PROG8560 – F22 – Rubric – Assignment 3 (A03)

PROG8560 – Assignment 3 (A03): Rubric & Additional Information

The Task

For this assignment, you will again work on a repository for a sample project, including actual source codes. You will demonstrate an in-depth understanding of version control with Git and the use of GitHub.

Instructions

- If not done already, register and create a **public repository** in GitHub.
- Commit the source code files for a past project. Only valid source code files will be accepted, which can be built and run by the user using the instructions provided. Meaning, the instructor will follow your instructions and use the code provided to achieve the same result you did with your project.
- Add a detailed, properly formatted README.md file to tell the user what is the purpose of the project, instructions on how to build and run the project, as well as any other related information.
- Create a second branch called **dev** in the repository based of the **main** branch.
- Clone the entire repository to your local machine using a method of your choice.
- Edit a file on the **dev** branch and commit the changes with a commit message containing a description/summary of the edit you made.
- Create a pull request to update the **main** branch from the **dev** branch.
- Add a comment to the merge request explaining something that should be changed in the request.
- Create a new commit addressing the comment and push it to the **dev** branch.
- Merge the pull request and confirm the merge.
- Create a third branch called **feature-1** based on the main branch.
- Make a change to add a new feature to the **feature-1** branch.
- Create and merge a pull request to update the **dev** branch. Finally delete the branch called **feature-1**.
- Revert to a previous version of a file in any branch of the repository.
- Add a properly formatted LICENSE file to **main** branch.
- Merge the main **branch** into the **dev** branch. Note that at the of this step, the **dev** branch should be similar to the **main** branch but contain the feature that you added using the **feature-1** branch.
- Create 2 (two) valid issues on the GitHub issue tracker.
- Create a properly formatted Wiki in the repository, accessible through the navigation bar. The wiki should contain at least 2 (two) pages and not use the same text as the README.md file.

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Marking:

Item	Out Of
<ul style="list-style-type: none">• Create a public GitHub repository containing valid source code from a previous project. Submit the link to your repository to the "Continuous Integration" folder.	25
<ul style="list-style-type: none">• Create a README.md file with clear instructions on how to build, install, and use your project.	25
<ul style="list-style-type: none">• Complete all items listed on the Instructions. That includes creating dev and feature-1 branches, creating the pull/merge requests, adding comments, reverting changes, and merging the requested branches.	30
<ul style="list-style-type: none">• Create a properly formatted Wiki with at least 2 (two) pages.	10
<ul style="list-style-type: none">• Add a properly formatted LICENSE to the project.	5
<ul style="list-style-type: none">• Create 2 (two) valid issues using the Issue Tracker.	5
Total	100

Due Date:

- Friday, November 18th @ 11:59 PM, EST.

The Deliverable

- Submit a Word or PDF to the "Continuous Integration" Dropbox on eConestoga containing the link to your public repository.
- Submissions via email will not be accepted. Only submissions to the eConestoga Dropbox will be marked.

Notes and Clarifications:

- Late assignments are subject to a 20% penalty, flat rate.
- There are extensive resources available on how to use Git and GitHub, and on how to accomplish any of the items requested on this assignment. It is part of your assignment to do your research and find these resources. You can start by checking the official GitHub docs: <https://docs.github.com/en>