ECEN-361 Working with Labs thru Github

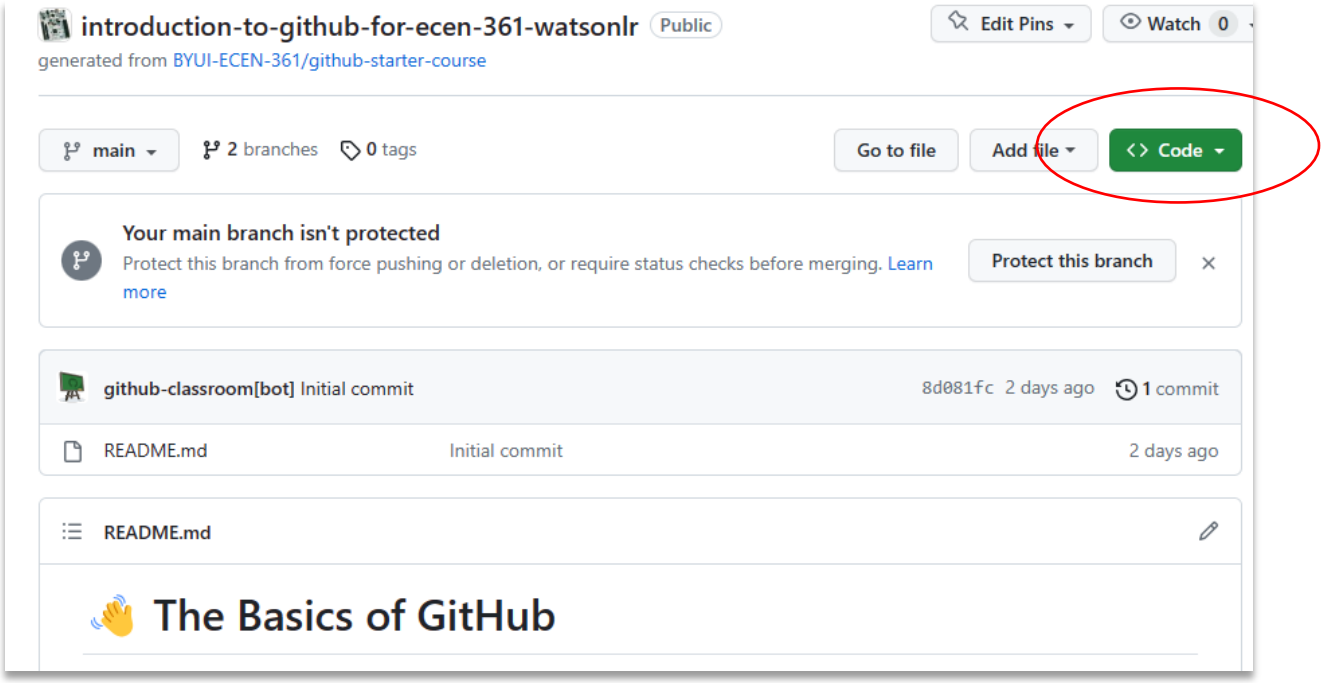
Steps:

1. Create (if you haven't already) a github user.

Recommended: use your byui.edu email address

2. Accept the tutorial about github as posted in our Classroom HERE

Practice cloning the tutorial repo by opening its page in a browser and selecting the green code button. Decide the method to clone – use what you're familiar with. If this is the first time, recommended: get the GitHub-Desktop tool.

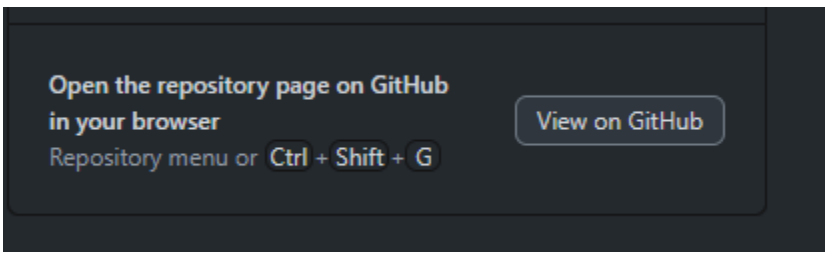


3. Make some modification to the repo and PUSH

Edit the README.md file somehow, add your name, etc., and then commit and push changes back to GitHub.

4. Verify your changes were pushed back to github.com

Using a browser, check the contents of the README.md on the website. Note that this is easy to do from Github-Desktop – Just use the button to automatically go to the repository on the web:



ECEN-361 Working with Labs thru Github

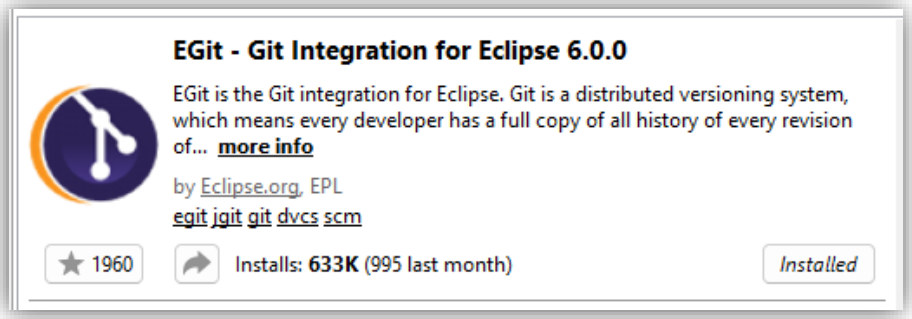
Comments

If you haven't already, using a revision control system like *GitHub*, will be key to your career. Most all disciplines that have changing, digital content, use these types of systems to track changes, share projects with co-workers, and make complicated workflows from the actions with the repository. Recommended: At the end of this (and others) class, keep your repository for future reference about how you did the labs, as a reference and maybe even part of your digital portfolio.

The *Github-Classroom* variation of *GitHub* creates individual, private repositories for each of the assignments, for each student. The professor will create a base assignment, that the student is to start from, modify, run on his own STM-Nucleo board, and submit.

With *Github-Classroom*, students accept the lab assignment, modify it, run it on their host (PC/MAC), then re-commit it to the repository. The professor and/or T/A's have read permission to these repositories and can clone, read, and grade them. Work in repositories in a *GitHub-Classroom* cannot be directly shared.

Note – Most IDEs like Visual-Studio-Code, Eclipse, and even our STM32CubeIDE allow for direct cloning of a project from GitHub. This allows editing in the IDE, then directly committing and pushing back to the repository. To do this, with STM32CubeIDE, and add-in has to be installed. The solution recommended to install can be done with "Help/Eclipse Marketplace":



This approach is not required, and all of your commits can be done with an external tool like GitHub-Desktop or even with the command-line, but it may be useful.