**Review of 10/8 Git/GitHub Demo:**

1. **Ensure that you have Git credentials**

If not, then run the following:

* 1.1: For your username

git config --global user.name “enterusername”

* 1.2: For your email

git config --global user.email “enteremail@email.com”

1. **Forking**

After that go to the desired repo’s url and fork it by hitting the fork button. Forking it means that you’re getting a copy of the repo on your own github account.

1. **Clone the forked repo**

Next, open vs code and clone YOUR forked version of the repo i.e. github.com/yourusername/repo-name. Don’t clone the original repo.

1. **Open the forked repo in GitHub**

Open your cloned repo in vs code and add your credentials (vs code will give you the option to use previously used credentials).

1. **Making a new branch (NOTE: This branch will only exist in your own forked repo not in the dogemapp repo. Therefore, making a branch here is completely optional as you can make edits to YOUR main branch. It will essentially just be a copy of a copy)**

Now, we’re going to make a branch. A branch is a separate version of the main repo that allows you to experiment within a confined area. To make a branch:

* 5.1: open your terminal in vs code

CTRL + ~

* 5.2: make your branch

git checkout -b branch\_name

* As an aside: you can rename your branch if you want by using git -m newname

1. **Add your changes to your branch (or main if no branch was created)**

* 6.1: After you make your changes, go into source control in vs code and stage your changes by hitting the “+” button on the same line as “Changes”.
* Another aside: to make sure you’re committing to the right thing, look in the message box above the “Commit” button. It’ll say something like “Message (Ctrl+Enter to commit on your\_branch\_name).”
* 6.2: After staging your changes and making sure you’re committing to the right place (your branch), commit them.

1. **Publish your branch**

* 7.1: After committing your changes, you’re going to publish your branch. Enter your desired message then hit “Publish Branch.”
* 7.2: \*\*\*Publish your branch to ORIGIN, not upstream.\*\*\*

1. **Create a pull request**

Go into your GitHub repo and submit a pull request. After you do that, you’ll see the pull request on the main repo. The term “pull request” can be misleading. A pull request is also known as a “merge request.” What you’re doing is saying “I forked this repo, I made my own branch, I added changes to that branch, and I’d like to merge those changes to main.”

**Updating VSCode with the most updated version of the App Repo**

1. **How to Clone your Forked Repo:**

https://www.earthdatascience.org/courses/intro-to-earth-data-science/git-github/github-collaboration/update-github-repositories-with-changes-by-others/#:~:text=To%20sync%20your%20forked%20repo,to%20update%20your%20local%20clone.

1. **Command To Update VSCode with updated merged branch:**
   1. **NOTE:** Make sure you understand #9 of the instructions before putting this command in your terminal

Example:

git pull https://github.com/miniestrav/dogem-final-prototype