Git and Github Lab

# Create an Account on Github

Create a github account: github.com

# Download Git

If you are on windows, use the following page to download git: <https://git-scm.com/download/win>

# Configure Git

Once you have git installed, you need to tell git who you are so it can track who pushes what updates. Use the following commands:

**git config --global user.name "John Doe"**

**git config --global user.email** [**johndoe@example.com**](mailto:johndoe@example.com)c\_perry159082@fanshaweonline.ca

The *--global* tag makes it so that no matter where you use git within your file structure on your OS, it will always have the same name and email. If you wanted to have different names and emails push commits depending on the repo, you would omit that tag.

# Create a git repository on github

Create a new repository with your initials in the title. Make sure it is public. If you have the option, do **not** add a readme or a gitignore file yet.

# Create a file on your computer

Create a new folder on your computer and add the following inside:

Using a tool like Notepad++, create a new file called README.mdand inside of it, give me your initials, the course code, and the year.

# Initialize a git repository

Open a command prompt on your laptop and go to the location of your new folder. Once there, run **git init**

This will initialize a new repository on your computer.

# Add your remote origin

You need to connect your git repository to your github repository. To do this, run *git remote add origin x* where x is the path to your repository. To get this path, go to your repo on github and click on Code and HTTPS, where you will get something like https://github.com/user/repoName.git

Add your Files to git

In the same location, run **git add .**

The **.** at the end of this command means to recursively get all files and folders within your parent folder. It adds every folder to the commit that is in the parent folder

You can add specific files by omitting the **.** and instead adding in the file location of the wanted file within the parent file.

# Commit your files

In the parent folder, run **git commit -m “Your message here”**where you add your message of what you are committing to github. This will commit your changes to git, though not to github.

# Push your files to Github

In the parent folder, run **git push origin main**

This pushes to your origin, which we previously set, and pushes to the branch main.

*Marking-*

*In a word document, please paste the url to your repository. Take a screenshot of the command prompt output when you push to your repo and paste it in the word document. Paste another screenshot in the word document of your repo files with your repo name shown.*