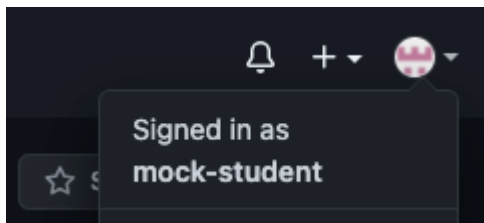# Step-by-step Guide for Assignment & Assessment Submission using GIT CLI

1. Setup

Step 1: Go to www.github.com to create an account for yourself.
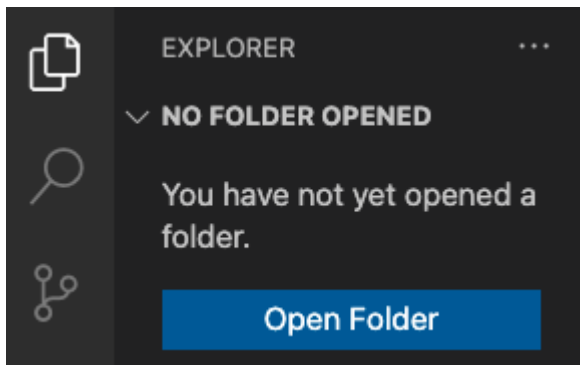Step 2: Take note of your username and share it with your instructor.

At the top right, click on your avatar and you should see something like this. In this case, the username is "mock-student".
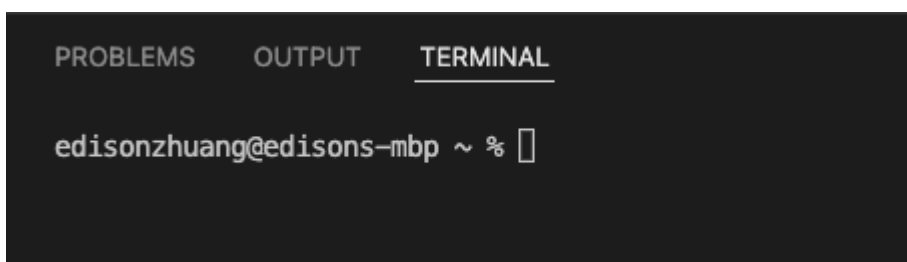

Step 3: Download and install GIT CLI.
Step 4: Launch VS Code and open a folder (the folder where you choose to store all your code. It is advisable to not change this folder throughout the program.).

Step 5: Once you have selected a folder, open Terminal from the top menu bar. You should see something like this at the bottom of VS Code.

Step 6: Set your GIT Configuration globally with the following command

```
git config –global user.email "your@email.com"
git config –global user.name "your_name"
```

2. Accept Invitation via Email

Accept an invitation sent by your instructor and join GitHub Organization "su-ntu-ctp." The full URL is https://github.com/su-ntu-ctp

Copy and paste the URL on your browser, and you will be able to see repositories shared with you. Repositories will be shared on a week-by-week basis.
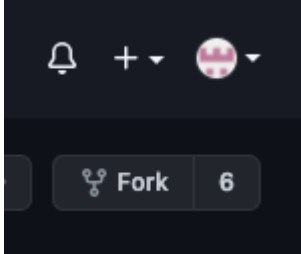
The list of accessible repositories will look like this.

3. Fork Repository from Skills Union to Your Own

Step 1: Select the repository that you need by clicking on the link on the screen.
Step 2: Next, click on "Fork" on the top right, right under your avatar.

Step 3: Select which account to fork into.

After forking the repository, your URL to the forked repository would be
`github.com/<your username>/<repository name>`. In this case, the image below
shows `github.com/mock-student/6m-software-1.1-sd-intro,` where
"mock-student" is the username, and "6m-software-1.1-sd-intro" is the repository name.

You should verify that https://github.com/<your username>/6m-software-1.1-sd-intro (replace
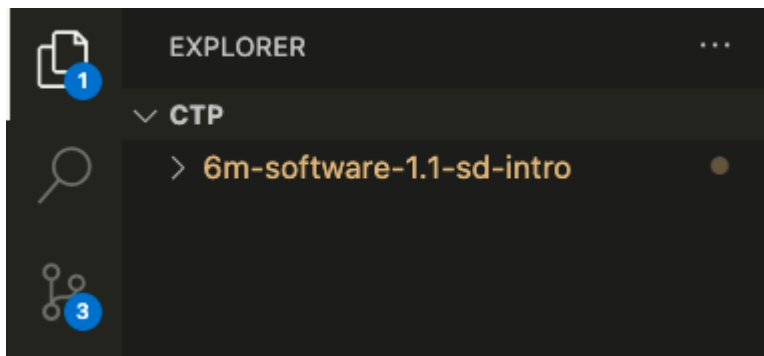<your username>) is accessible.

4. Clone Your Remote Repository To Local Machine

Next, you would need to clone this repository from your remote repository to your local machine so that you can work on the codes. Go back to the VS Code Terminal.

Step 1: Use this command to clone: `git clone <repository url>`

```
edisonzhuang@Edisons-MBP ctp % git clone https://github.com/su-ntu-ctp/6m-software-1.1-sd-intro
Cloning into '6m-software-1.1-sd-intro'...
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 13 (delta 4), reused 5 (delta 0), pack-reused 0
Receiving objects: 100% (13/13), done.
Resolving deltas: 100% (4/4), done.
```

Step 2: A new folder will be created and you should be able to observe it at the File Explorer on the left panel.

5. Push Changes to Remote Repository

Step 1: Make some changes to the file README.md and ensure that you save the changes.

Step 2: Use the following command to push the changes to the remote repository.

```
cd <enter folder name>
git add .
git commit -m "made some changes"
git push origin main
```

Step 3: Go to the remote repository link and observe the changes.

6. The Link For Submission

You are required to submit your assignment to the blackboard with your GitHub repository URL. During each assignment, work on the files within the repository you've cloned. Follow section 5 to push changes to the remote repository and submit the remote repository URL to NTU Blackboard.

URL to submit: https://github.com/<your username>/<repository name>