Setting up your git environment

Task 1: Create GitHub Account

The first step is to create a GitHub account if you don't have one already. GitHub is a code hosting repository similar to GitLab We will be using GitHub this semester.

To create an account, go to https://github.com/join? and follow the prompts there.

Task 2: Create Your Repository

Create a repository on Github and assign it the course name (SP21-CSE-30341-01). For each assignment, use the same repository and create different branches for each assignment.. The instructions for creating a repository is in this link. Once your repository is created, make the instructor and TAs as collaborators. The instructions to add collaborators is in this document. Our GitHub usernames are: **Shangyue-ND, Ginko-L, Al-Amin-ND,** and **adstriegel.**

Task 3: Clone Repository

To make it easier for you to upload your assignment to your GitHub account, clone your repository to your local machine. To do this, copy the URL from the **Project** summary page and perform the clone command using Git on your desired platform. You will now have a local clone of the repository you can work with (you'll need to change the username with your own GitHub ID):

$ git clone https://github.com/Al-Amin-ND/SP21-CSE-30341-01.git

Cloning into **SP21-CSE-30341-01**...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 7 (delta 0), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), done.

Submission

Remember to create and put your group member names in a `README.md` file. To submit your assignment, commit your work to the `Project #` `(#: Project number i.e. 1,2)` folder of your `Project#` branch in your **assignment's** [GitHub](#) repository:

```
$ cd path/to/SP21-CSE-30341-01              # Go to assignments repository

$ git checkout main                         # Make sure we are in main branch

$ git pull --rebase                         # Make sure we are up-to-date with GitHub

$ git checkout -b projectX                  # Create projectX branch and check it out

$ mkdir projectX                            # Create projectX directory

$ cd projectX                               # Go to projectX directory

...

$ $EDITOR README.md                         # Edit appropriate README.md

$ git add README.md                         # Mark changes for commit

$ git commit -m "projectX: complete"    # Record changes

...

$ git push -u origin projectX               # Push branch to GitHub
```