

# Week 1 Assignment- Git

## Install Git

1. Go to the following url <https://git-scm.com/downloads> and download and install git, following the provided instructions for your operating system. Describe the process you followed along with screenshots.

## Create a Repository on GitHub

1. Note: if you do not have a github account you will need to create one.s 2.

Create your first repository with the following settings:

- a. Name: csci409sp25-week1
  - b. Leave all other options at their defaults.
3. Include the link to the repository in your submission

## Create a Public/Private Key Pair and upload it to git hub.

1. Open Git Bash and run the following command: ***ssh-keygen -t ed25519 -C "your\_ccu\_email"***
  - a. Replace your\_ccu\_email with your email. This should be inside of the quotes
2. Accept the default settings for everything. **Do not enter a password**
3. Open the file that was just created. Windows users this will be stored at C:\Users\user\_name\.ssh\id\_ed25519.pub (This is your public key) 4. Go to the following url <https://github.com/settings/keys>
5. Click the new ssh key button.
6. In the name field put any value you wish 7. In the Key field paste the contents of the .pub file
8. Click Add SSH Key.

## Add Files to a Local Repository/Push to GitHub

1. All of the following instructions should be able to be completed from inside the terminal in VsCode.
2. Initialize the new get repository with ***git init***
3. Set up your remote repository with the following command ***git remote add origin git@github.com:your\_github\_username/csci409sp25-week1.git***
4. Add all of your current files to the git repository with ***git add .***
5. Commit these changes to the repository with ***git commit -m "Initial Commit"***
6. Push the changes to git hub with ***git push -u origin master***
7. Inside of pycharm right click on your project directory and go to New > File and create a file called ***README.md*** (hint: use the markdown reference provided in the resources)
  - a. Level 1 Heading: CSCI 409- Advanced Web Application Development
  - b. Level 2 Heading: Your Name

- c. A paragraph with the course description (check your syllabus)
8. Add the newly updated README.md to the git repository with ***git add README.md***
9. Commit the change with the text “Updated Readme”
10. Push your changes to github
11. Create a file called .gitignore With the following text.
  - a. \*.log
  - b. \*.pot
  - c. \*.pyc
  - d. \_\_pycache\_\_/ (there are two underscores at the start and end on this one) e. db.sqlite3
12. Add .gitignore to the repository and commit with the message “Added .gitignore”
13. Push your changes to GitHub

### Your Submission

1. You should upload a pdf with the required screenshots and descriptions along with a link to your newly created git hub repository