**GitHub Repository Setup**

For this module’s assignment, we will be creating a GitHub repository using git and the CLI. The repository we create in this assignment will be used throughout the course to host the coding assignments. If you have not already installed git, please do so before continuing: [How to install Git](https://www.atlassian.com/git/tutorials/install-git) (atlassian, 2024). Make sure that you complete the steps to set the global username and global email address.

**Instructions:**

* Click on each set up instruction box below to expand the instructions. Follow each step carefully.
* Complete the set up instructions and save the following items in a single Word document:
  + Link to your GitHub repository.
  + Screenshot of your GitHub repository.
  + Screenshot of your local directory, following the structure format provided in the instructions below.

**Local Directory Setup Instructions**

* Open a command prompt window.
  + If you are on a Windows machine, use PowerShell or cmd (press the Windows key and start typing the name of the command prompt you want to use).
  + If you are on macOS, use the Terminal.
  + If you are on Linux, use the Terminal.
* Navigate to your user directory.
  + If you are on Windows enter:  **cd \**
  + If you are on macOS/Linux enter: **cd ~**
* Create a new directory and name it **csd**
  + **mkdir csd**
* Change directory into the csd directory.
  + **cd csd**

**Repository Setup Instructions**

* Go to <https://github.com/> and sign up.
* Sign into GitHub.
* Create a new GitHub repository and name it csd-420.
* Enter a description.
* Make the repository public and “Initialize this repository with a README.md” file.
* Add .gitignore file (Python).
* Choose “Create repository”.

**Clone Instructions**

* Open a command prompt window.
  + If you are on a windows machine, use PowerShell or cmd (press the Windows key and start typing the command prompt you want to use).
  + If you are on macOS, use the Terminal.
  + If you are on Linux, use the Terminal.
* Sign-in to GitHub (if you are not already).
* Click on your csd-420 repository.
* Click on the green Code button and copy the URL for csd-420’s repository.
* In the command prompt or terminal window, verify you are in the correct working directory (you should be in the **csd** directory) and enter **git clone [copies URL]**
* Verify the repository was created.
  + For Windows enter: **dir**
  + For macOS/Linux enter: **ls**

**Git Stage, Commit, Push**

* One thing to keep in mind is that Git/GitHub needs to stay in synch. If you make changes to your local directory, you need to push them to GitHub. If you make changes to GitHub, you need to pull them into your local directory. If you make changes to GitHub, and then try and push new changes from your local directory without pulling the first change from GitHub, you will get an error message telling you just that.

Download the following instructions and follow them carefully to complete this assignment: [Module 1 Assignment](https://cyberactive.bellevue.edu/bbcswebdav/xid-99053101_4) [Click for more options](https://cyberactive.bellevue.edu/webapps/blackboard/content/listContent.jsp?course_id=_536383_1&content_id=_16746326_1&mode=reset#contextMenu) .

You will turn in the following items:

* Link to your GitHub repository.
* Screenshot of your GitHub repository.
* Screenshot of your local directory (properly formatted).
* Combine all 3 items into a single Word document and title it [your-last-name]-[assignment-name].docx.

**Assignment Requirements and Grading:**

1. This assignment is due by **Sunday, 11:59 p.m., CST**.
2. Submit your assignment by clicking on the Assignment Link above, then scroll down to the Upload Files section and click on Browse Local Files. Select your assignment file, add any links or comments as appropriate, and then click on Submit.
3. To view or print the grading rubric for this assignment, click on the following link: [General Assignment Rubric](https://content.bellevue.edu/cst/csd/rubricgeneralassignmentv1.pdf).