ECE 208 Homework tutorial

WI-22

This is a short tutorial on how to use GitHub Classroom. It will cover some usage of GitHub commands, but we recommend you to refer to other materials for learning how to better use GitHub.

1 Prepare

Login to the your GitHub account.

2 Access the homework

- Go to the canvas Assignments page and click on the link in the homework.
- Accept the assignment on the pop-up page.
- You are ready to go! Refresh the page, and your assignment repository should have been created (this might take several minutes).
- Click on the link on the GitHub Classroom page, and you will see the homework repository. It should be in this format:
  [redacted]

3 Work on the homework

- Clone the homework repository:
  Open terminal and type: `git clone $github repo`
  For example,
  `git clone` [redacted]
  Replace `$id` with the homework id (e.g. hw1) and `$github user name` with your GitHub username.
- Feel free to use any Python IDE you are familiar or comfortable with.

4 Submit the homework

- Prepare the content staged for the `commit`.
  Navigate to the homework repository in a terminal and stage the files for your submission using `git add $name of the files`
  Specifically, `"git add ."` will add all the files in the directory to the Index. By adding the files to the Git index, Git will start to track your added files.
- Commit your changes
  Commit is like making a snapshot of the current state for everything in your stage area (Git index). Using `git commit -m "comments for this commit"` to commit your changes
- Push your changes
  The above two steps modify our local copy of the repository, to add the changes to the repository in GitHub, use `"git push"`

5 Something to notice

- Remember to check the **student_info.txt** file in the repository and fill in the information before you push your homework. **This is important!** Otherwise, your grading will not be recorded correctly.
- Before you submit your homework, feel free to use the **autocheck.py** to check your homework. Run
  python autocheck.py
  Note that passing all the test cases in autocheck.py will not guarantee that your answer is correct.