Cognixia JUMP Set-up Guide

GitHub Classrooms

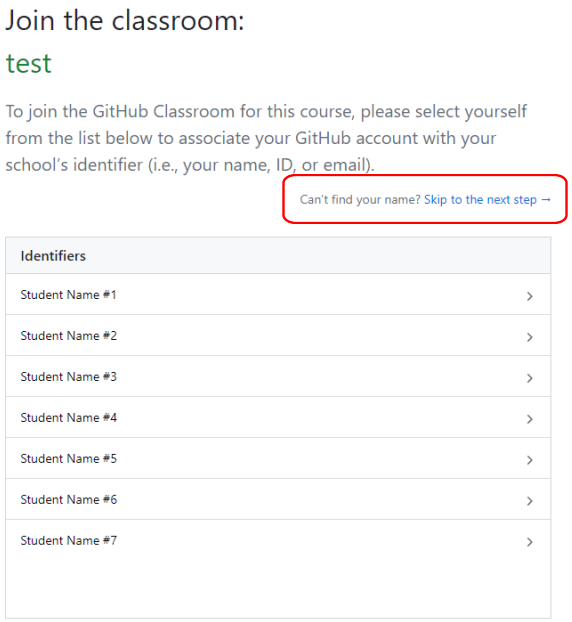
Summary

Instructions

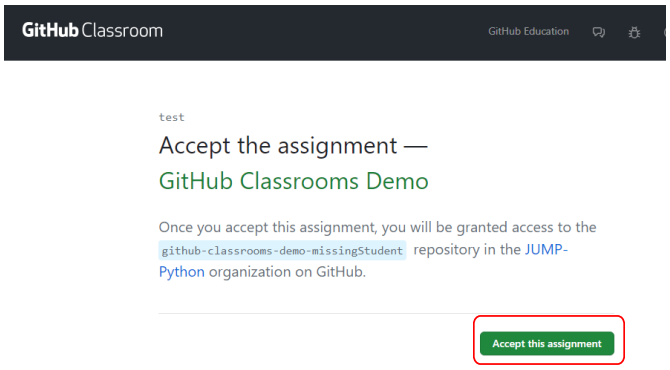
Accepting Assignments

Accept your 1st assignment on github classrooms using your github account.

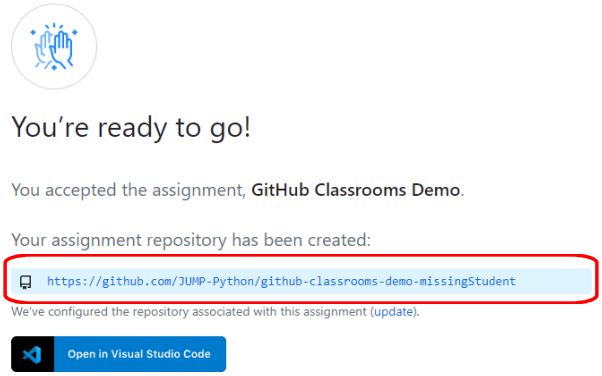
1. Click the link sent by your instructor
2. Select your name from the list of students.
    a. *If you do not see your name listed, continue without selecting a name*



3. Accept the assignment.



4. Wait for the repository to be cloned to your account. This may take a minute or two



5. Use the link to navigate to your assignment repository. If you lose the link, you can find your assignment located under your class GitHub organizations, which is specified in the first part of your repository link

    a. *For example, the organization in the above picture is '**JUMP-Python**'*

6. Instructions for the assignment can be found in the ***README.md*** file or may be given by your instructor

7. Create a clone of the repository on your local computer.

    a. Using your terminal, navigate to an appropriate folder to hold your repository and use the command git clone "https://github.com/my_repository_clone_link.git"

```
PS C:\> cd c:/Work/Python
PS C:\Work\Python> git clone "https://github.com/JUMP-Python/github-classrooms-demo-missingStudent.git"
Cloning into 'github-classrooms-demo-missingStudent'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 18 (delta 3), reused 1 (delta 0), pack-reused 0
Receiving objects: 100% (18/18), done.
Resolving deltas: 100% (3/3), done.
PS C:\Work\Python>
```

8. Assignments can be submitted one of 3 ways: via the terminal using git commands, via the github interface, via VS code using the github extension

Setting up VS Code GitHub extension (*optional*)

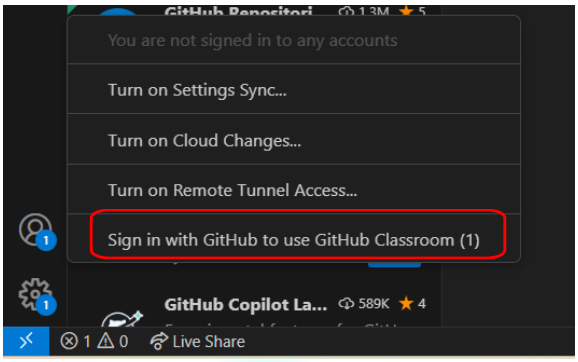
Setting up the GitHub classroom extension on VS code allows you to access, edit, and submit all assignments linked to your github classrooms account. If you use this option, you will ***not*** need to clone a repository of the assignment on your local machine

1. Download github classrooms extension for VS code. This will allow you to see all assignments given in your classroom on your local machine without having to clone the directory to the machine.

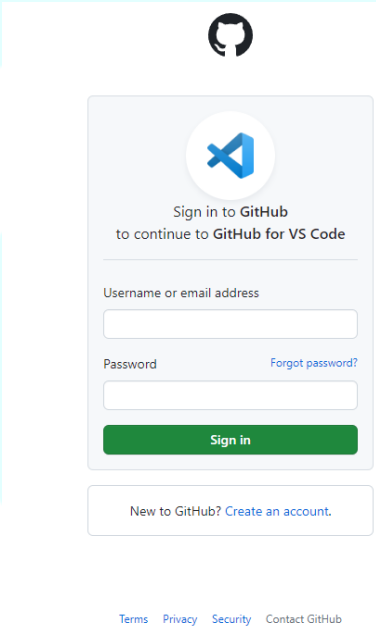
    a. Navigate to the extensions tab in VS code and search for GitHub Classroom. Install the extension created by GitHub

2. Login to your github account by clicking the github icon on your side tab

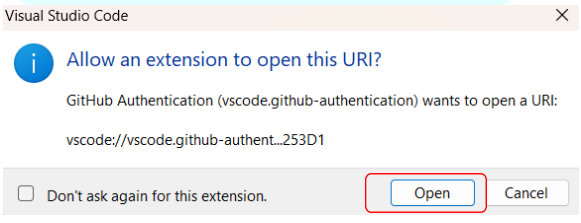
    a. (Note: you can sign out of accounts by clicking the profile picture in the bottom left corner and selecting your github id)



b. You will be redirected to your browser to log in to your account



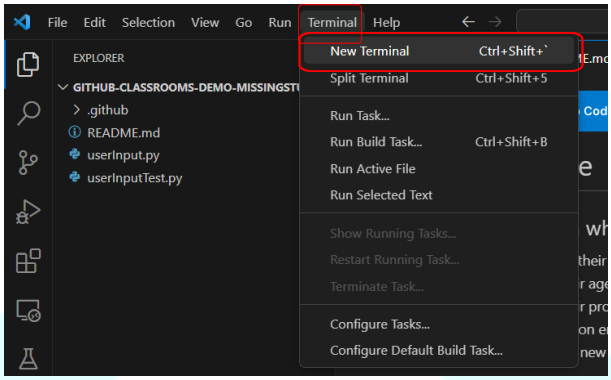
c. Make sure to accept all popups.



3. You ***MAY*** have to configure your github username to perform pull and push requests. Use this command in your terminal in VS code to do this configuration

a. Click terminal in the top menu tab

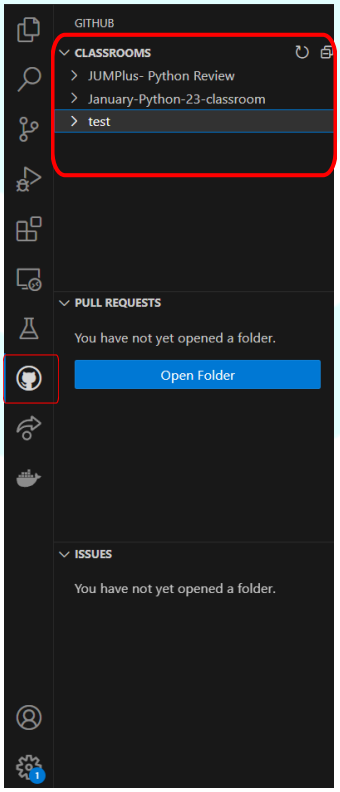
b. Select new terminal from the dropdown



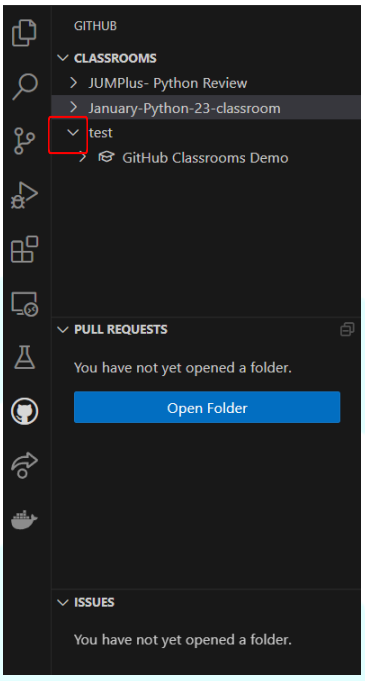
c. Run the command *git config --global user.email "myemailname@github.com"* in terminal

d. Run the command *git config --global user.name "mygithubname@github.com"* in terminal

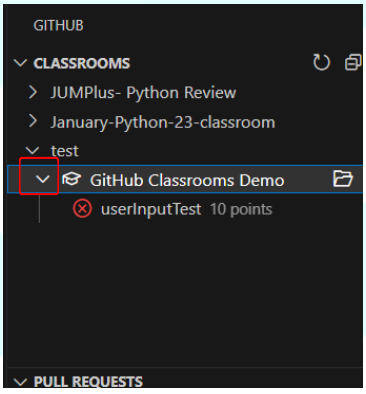
4. You can view all classrooms you are a part of under the github icon on the left bar menu.



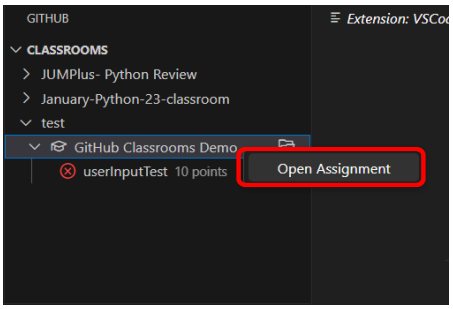
a. Click the arrow next to the classroom name to see the assignments for the classroom



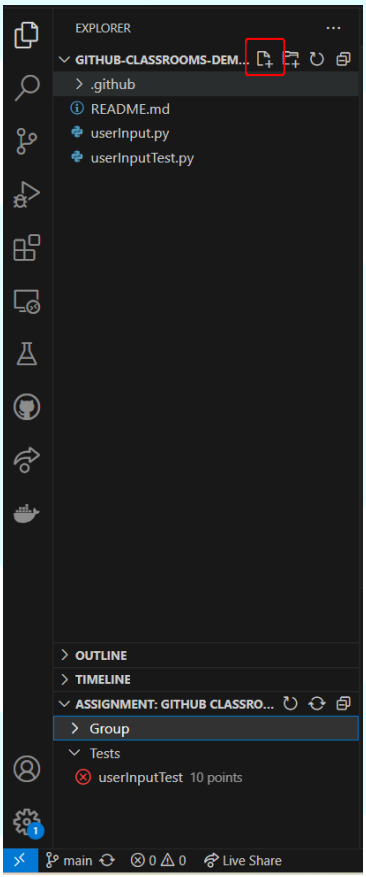
b. Click the arrow next to assignment name to view any tests available for that assignment



c. Right click the assignment name and select ‘Open Assignment’ to start editing the repository



d. Create any new files you'll need for your submission using the New File button under the explorer side icon

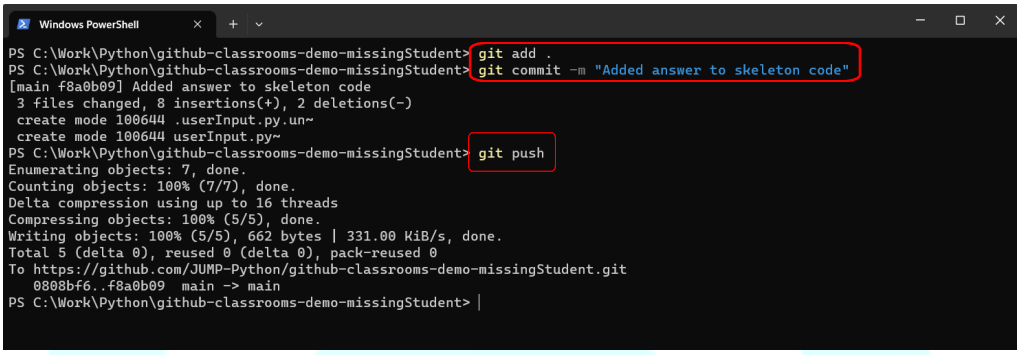


Submitting Assignments

You can submit assignments by updating your remote repository. If the assignment has an automated test, you can submit until all tests pass. You can also feel free to make your own test to check your code before submission. Any assignments without automated tests, will be manually graded by instructors and TAs, so students may see delay in feedback on these assignments

Terminal

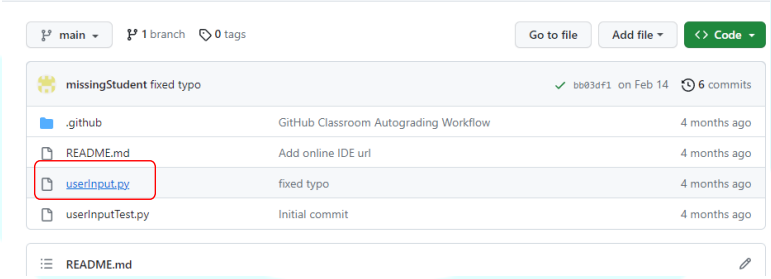
1. In the terminal, navigate to the folder holding the cloned repository with the updated code.
2. Stage and commit all changes made to the files.
3. Push changes to your remote repository.



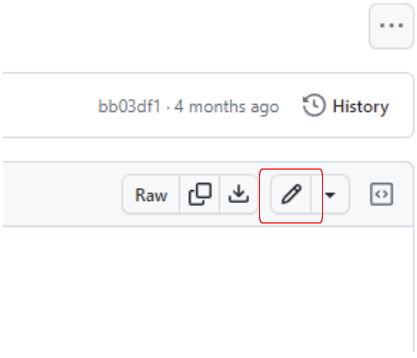
4. You can check if the code passed any test cases from the GitHub website

GitHub

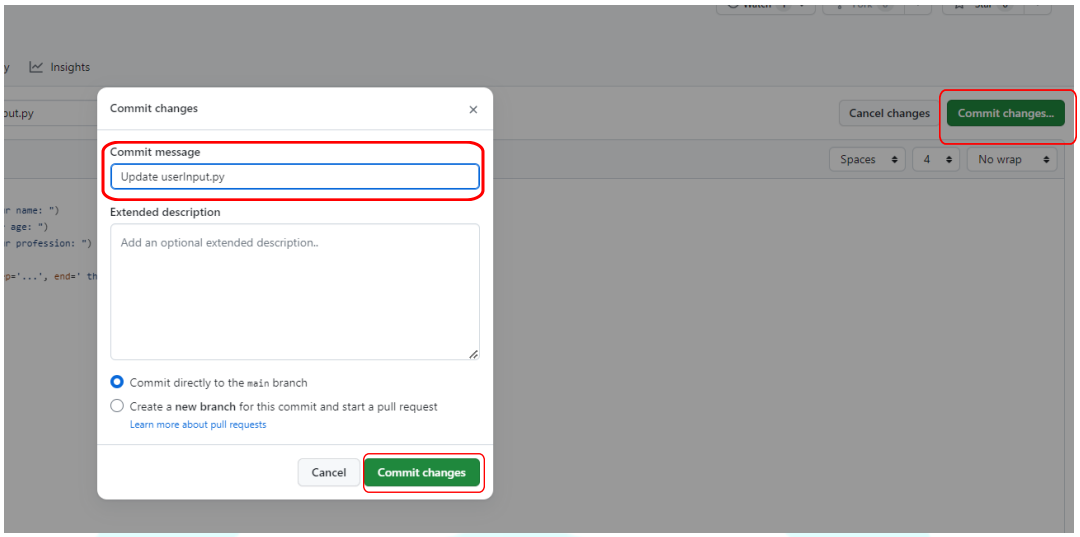
1. Navigate to your remote repository and select the appropriate file.



2. Click the edit button in the top right corner of the file to make changes.

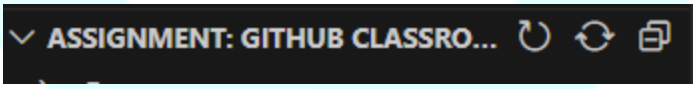


3. Save and commit the changes with a message.

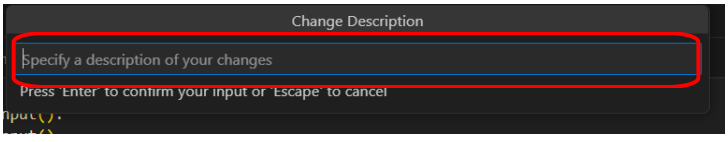


VS Code

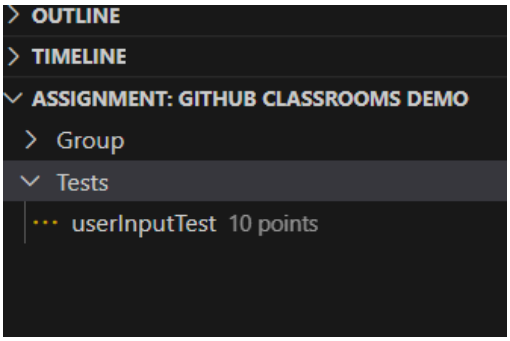
1. With the assignment open in VS code, click the file explorer icon on the left bar menu.
2. Hover over the tab 'Assignment: *AssignmentName*' located at the bottom of the explorer menu.
    a. The first circle will refresh the available tests created by your instructor along with the point values. You may see a red X or green check next to the test name, indicating if you failed or passed the given test.
    b. The second circle will sync your local repository with your remote repository, submitting your assignment.



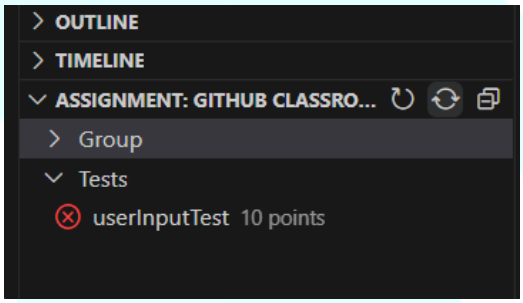
3. Click the second circle to sync your changes with the remote repository. Enter your commit message at the top of the window



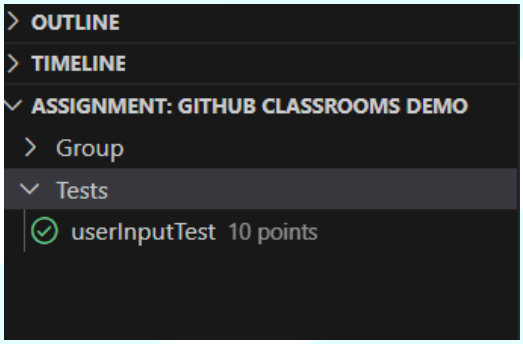
    a. Tests that are in the midst of executing are marked with 3 yellow dots



b. Failed tests are marked with an red x

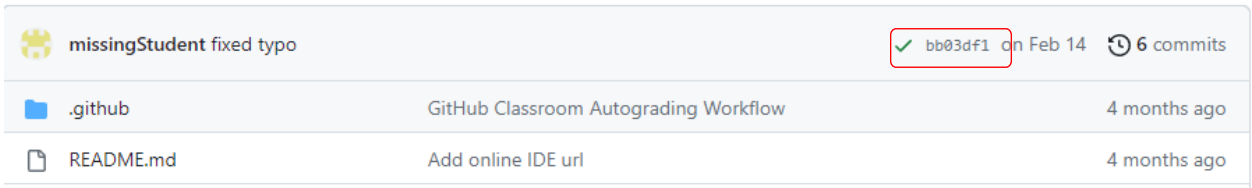


c. Passed tests are marked with an green check



You can check additional details about why a test may have failed from your remote repository

1. Navigate to the repository. Click the test id in the right corner of the repository list



2. Observe the details from the online terminal running the test case