

GIT PROJECT 4 - PARTNER PROJECT - INSTRUCTIONS

Find a partner and sign up your pairing here, so we know who's working with whom:

There may be an odd number of people if someone is absent. If you don't have a partner, you can join a group of two and follow the same process with some slight differences as a Person C -- it's not a problem to be a 3rd party in a group and won't make much difference. See the bottom of this document if you are in a group of 3! (Could even be more fun.)

If you are encountering other difficulties and are unable to find a partner, please let Jackie know so you can come up with another way of fulfilling similar objectives.

Two roles:

- Person A
- Person B

However, you're encouraged to work on this together and talk through both/all parts!

PERSON A:

- Download the file `sample_oauth1_code.py` from Canvas (Files > Git Project) and save it in a directory on your computer.
- Create a git repository in that directory.
- Create a repository on GitHub for your work, called **SI507-F17-GitProject4**.
- Make the GitHub repository the remote origin of your git repository, and then commit and push the data to GitHub.

PERSON B:

- Fork Person A's repository.
- Clone Person A's repository.
- Add a remote called upstream that points to Person A's repository.
- Create a branch from your copy of the repository called add-develop-files.
- On the new branch, add a file that imports and uses functions from the `sample_oauth1_code.py` to try to make an interactive program to access the Tumblr API: <https://www.tumblr.com/docs/en/api/v2>
- (Your code does NOT have to work; this assignment is about the Git process, so you just have to write a little bit. However, if you want a challenge, try to make it work!)
- Add at least 1 comment on the first two lines of `sample_oauth1_code.py`.
- Push your new code *and branch* to GitHub.

PERSON A:

- Also make a branch from your repository, called add-caching.

- Write some code in the `sample_oauth1_code.py` file that will add a better caching system for the data this code could get from the Tumblr API.
- Add at least 1 comment on the first two lines of `sample_oauth1_code.py`.
- (Again -- your code does NOT have to work. But, for a challenge, you could try to make it work!)
- Merge your new branch into your master branch.

PERSON B:

- On GitHub, make a pull request from the branch you just pushed (add-develop-files) to Person A's master branch, on their repository.

PERSON A:

- Merge Person B's pull request, and (possibly work with them to) resolve all the merge conflicts introduced and get the code you want. This is up to you -- as long as you resolve all conflicts!

PERSON B:

- Fetch from Person A's upstream repository and merge their master branch to your master branch.
 - If there are any conflicts when doing so, resolve and commit.
 - Push the final committed result to your fork on GitHub.
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TO SUBMIT:

Submit to the Git Project 4 assignment on Canvas:

- A link to YOUR GitHub repository for this project
- A link to your partner's GitHub repository for this project
- Note which repository is yours AND which corresponds to Person A vs Person B (and add Person C's, if you are in a group of three)

- **Make sure the two (or three) of you have "registered" that you're working together on the spreadsheet, including placing your GitHub links in it:**

<https://docs.google.com/a/umich.edu/spreadsheets/d/1F9IMXHR2aBNw5Rd7yNXm4w0zJpfoL9bla6roM5hpiao/edit?usp=sharing>

IF YOU HAVE 3 PEOPLE IN YOUR GROUP:

Add a Person C, who will follow the same steps as Person B, but writing their own code!

Also make pull requests to Person A.

The Person A in your group may choose only one of Person B or Person C's Pull Requests to merge. As long as all of you fulfill YOUR own responsibilities for your "role", you'll get points for this part of the project.

ALL CODE WRITTEN FOR THIS PROJECT DOES NOT HAVE A REQUIREMENT TO WORK. THE IMPORTANT PART IS THE GIT AND GITHUB PROCESSES. THE CODE IDEAS RELATE TO THINGS WE WILL LOOK AT SHORTLY -- SO WHILE UNDERSTANDING THE CODE MIGHT BE NICE, FOR THIS ASSIGNMENT IT IS NOT REQUIRED.

You DO need to make changes as described, though, even if they're changes that won't work at all and are total pseudocode. Otherwise, you won't be able to see the result of the git work as easily.