Module Five:

Practicing GitHub Project Management

# Grading

Total points: 27

**[2.5 points]** Your assignment manual submission is labeled as

“cs305-[section]\_module04\_assignment\_[nau\_username]\_[lastname]\_[firstname].pdf”.

For example, if I were to submit a file, it would be labeled as

Cs305-001\_module04\_assignment\_mv668\_vigil-hayes\_morgan.pdf

**FAILURE TO COMPLY WITH THESE STEPS WILL LEAD TO A ZERO GRADE ON THE ASSIGNMENT.**

**[12.5 points]** Setting up the assignment: Q00-Q04

**[7 points]** Collaborating with GitHub: Q05-Q11

**IMPORTANT CLARIFICATION: For parts 2 and 3 below, you do part 3 and take screenshots, and that will result in your classmate taking screenshots for their part 2.**

# Part 1: Create your repository and find your teammates

For this assignment, you will need to create a GitHub repository (that you own). You will also need to identify 1-3 other students (for a total of 2-4 students per team) to “manage” as collaborators on your repository as well as demonstrate that you have volunteered to be a collaborator on at least one repository of a classmate.

To find collaborators, use the class Slack and google sheet: https://docs.google.com/spreadsheets/d/1yIvom-wCocszWQyeCLlIVXlpZpdCWUFbDdgchpf0Z-E/edit#gid=0

Q00. [2.5 point] Enter the URL for the GitHub repository you created and will be managing:

<https://github.com/taj262/cs305_module05>

Q01. [2.5 points] Enter the names and GitHub username of 1 classmate who will be added as a collaborator to your GitHub project: (related to Q07 and Q10)

Aiden Seay, aidenseay

Q02. [2.5 points] Enter the name and GitHub username of 1 classmate who will be creating a pull request to your repository: (related to Q08 and Q11)

Taj,tomas jauregui

Q03. [2.5 points] Enter the name and GitHub username of 1 classmate whose project you are joining as a collaborator: (related to Q07 and Q10)

aidenseay

Q04. [2.5 points] Enter the name and GitHub repository URL of 1 classmate whose project you are forking and creating a pull request for: (related to Q08 and Q11)

aidenseay

# Part 2: Accept contributions from your classmate in your repository

For your GitHub Project, you should have a README and a CONTRIBUTING file that you have started. For the README, you can make up some details about a project you would like to work on (doesn’t need to be a REAL project), or you can include details about a project you are actually working on as part of your other classes. In the README, also include information about the type of license you will be using with your project. Be sure to practice using Git Markdown to format the files. <https://guides.github.com/pdfs/markdown-cheatsheet-online.pdf>

Q05. [1 point] Provide a screenshot of your rendered README file:

**[SCREENSHOT GOES HERE]**

Q06. [1 point] Add your classmate from Q01 as a collaborator on the project. Take a screenshot of the GitHub project’s collaborator page showing that you have successfully invited them as collaborators.

**[SCREENSHOT GOES HERE]**

Q07. [1 point] Once your collaborator has pushed changes to the main branch, take a screenshot of the github commit history web page, github.com/USER/REPO/commits/main which should show entries for the commits from your collaborator. (this is the opposite of Q10)

**[SCREENSHOT GOES HERE]**

Q08. [1 point] Once your classmate who has forked your repository and proposed a pull request, take a screenshot of how this pull request looks on the GitHub pull request web page (github.com/USER/REPO/pulls/NUMBER). (this is the opposite of Q11)

**[SCREENSHOT GOES HERE]**

Q09. [1 point] Merge the pull request into your repository (see: <https://docs.github.com/en/github/collaborating-with-pull-requests/incorporating-changes-from-a-pull-request/merging-a-pull-request>). Take a screenshot of what the GitHub pull request web page shows you to demonstrate that the pull request has been resolved (github.com/USER/REPO/pulls/NUMBER should show a purple Merged icon).

**[SCREENSHOT GOES HERE]**

# Part 3: Make contributions to your classmates’ projects

In Q03 and Q04, you entered the names of classmates whose projects you would be contributing to.

You should receive an invitation from the classmate listed in Q03. Once you have accepted the collaboration invitation, you should clone their repository and add your information to the CONTRIBUTING file. Commit the changes and push them to the main branch of the remote origin on GitHub.

Q10. [1 point] Take a screenshot of your classmate’s repository commit history, github.com/USER/REPO/commits/main which should show your pushed commits. (this is the opposite of Q07)

**[SCREENSHOT GOES HERE]**

You should also have a forked copy of the GitHub repository you recorded for Q04. Commit and push your changes to the CONTRIBUTING file (add your name as a contributor) and changes to the README file (add a subheading about a hypothetical module you are adding to the project). Create a pull request from your fork to the original repository.

Q11. [1 point] Request a pull request review from the owner of the original GitHub project (user listed in Q04), by selecting the owner from "Reviewers" in the upper right of the pull request page, github.com/USER/REPO/pulls/NUMBER after which you should see "YOU request a review from OWNER" at the bottom of the Conversation tab of the pull request page. See <https://docs.github.com/en/github/collaborating-with-pull-requests/proposing-changes-to-your-work-with-pull-requests/requesting-a-pull-request-review>. (this is the opposite of Q08)

Take a screenshot showing that you have requested a review from the owner.

**[SCREENSHOT GOES HERE]**