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

# 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 at least 2 teammates to “manage” as collaborators on your repository as well as demonstrate that you have volunteered to be a collaborator on at least two classmates’ repositories.

To find collaborators, use the class Slack.

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

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

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

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

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:

# Part 2: Set up your project 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 to add their changes to the README and CONTRIBUTING files to the master branch, take a screenshot of how this information was presented to you on the GitHub dashboard.

**[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 was presented to you on the GitHub dashboard.

**[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 dashboard shows you to demonstrate that the pull request has been resolved.

**[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 master branch of the remote origin on GitHub.

Q10. [1 point] Take a screenshot of your classmate’s repository showing your pushed commits to the CONTRIBUTING file.

**[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 (see: <https://docs.github.com/en/github/collaborating-with-pull-requests/proposing-changes-to-your-work-with-pull-requests/creating-a-pull-request>).

Q11. [1 point] Request a pull request review from the owner of the original GitHub project (user listed in Q04). See <https://docs.github.com/en/github/collaborating-with-pull-requests/proposing-changes-to-your-work-with-pull-requests/requesting-a-pull-request-review>.

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

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