CS304 - Machine Problem (MP0)
Using GitHub
Total: 10 points
Deadline: 7 March 2022, 11.59pm

The objective of this machine problem is to:
1. Provide students with opportunity to learn how to commit and push your changes to a GitHub repository

Important
Go to Sakai->assignment(作业) ->Important: Undergraduate Students Declaration Form->Fill in and upload your signed form

In this machine problem, you will learn how to use GitHub for submitting future assignments and collaborating in the final class project. Follow the instructions below for setting up your GitHub repository:
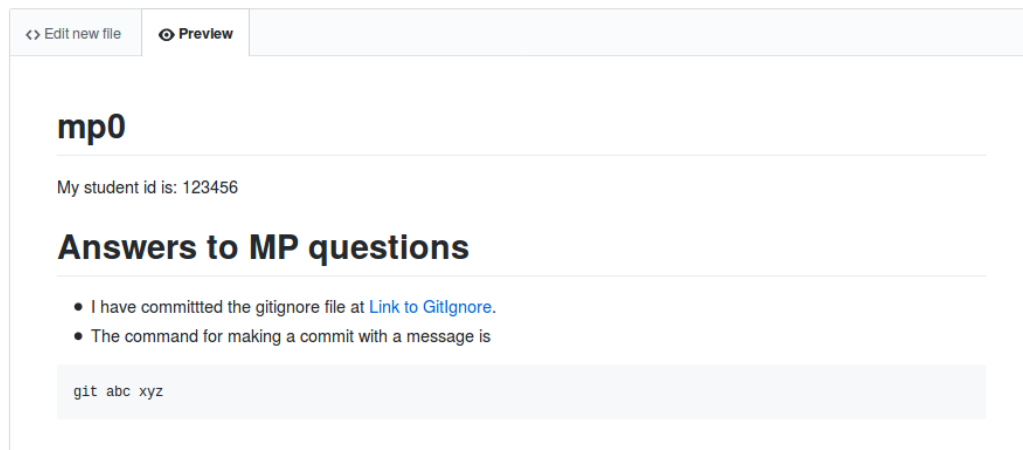
- Create a GitHub account via GitHub education at: https://education.github.com/students. You can choose your own name for this account.
- Install and setup git in your machine. Refer to the following link if you are not familiar with git: https://help.github.com/articles/set-up-git/
- Copy and paste this link: https://classroom.github.com/a/N0LWXf2s to a browser. There will be a login screen for you asking you to login to your GitHub account. Click the "Accept the mp0 assignment" button to grant the permission.
- You need to choose your student id. **Do not skip selecting your id. If you have selected this for the project proposal, you may not get the screen for selecting id because the first time you accept an assignment and linked your account, the information will be saved.** If you cannot find your student id, please contact the teaching staff.
- When you see the "You are ready to go!" screen, it means that you have successfully accept your first cs304 assignment. You will also see the line "Your assignment has been created here: https://github.com/cs304-2022-classroom-1/mp0-[your-github]". The link will be the location of your newly created GitHub repository.

Common mistakes:
- Your file should be called **README.md** instead of other file names.
- The gitignore file should be called "**.gitignore**" instead of other file names.

You will commit some files in the sustech-cs304/mp0-[your-github] directory for your project team, where [your-github] is your github username. Each individual assignment will be a "private" repository, which means that your GitHub directory can be accessed by you and the teaching staff but not by any other students.

(a) [4 points]: Commit and push a file mp0-[your-github]/**README.md**. To style this file, read this link https://help.github.com/articles/basic-writing-and-formatting-syntax/. This file should be created for describing each assignment with similar format. Use the following format for creating this file (*Hint: "mp0" and "Answers to MP questions" are all large headings. The command "git abc xyz" for quoting code*):

Note that in the figure above, the student id is a fake id (123456) so you need to fill in your student id in your committed README.md.

(b) [4 points]: Create and push a mp0-[your-github]/**.gitignore** file for specifying the file that should not be committed into your GitHub repository for Java projects. Refer to https://github.com/github/gitignore/blob/master/Java.gitignore for the template (You can copy this for this MP but for the project and all future assignments, you need to add this file and customize according to the types of projects you are submitting). Wrong file name (-1 point).
- Write a meaningful commit message (e.g., "add a gitignore file") for each commit.
- Find the location of this commit (it is usually located at **https://github.com/ sustech-cs304-2022-classroom-1/mp0-[your-github]/commit/[commit-hash]** where [commit-hash] is the unique id assigned by GitHub for each commit).
- Change the link "Link to GitIgnore" in the README.md to point to this **commit link (commit link should be something like https://github.com/cs304-spring2021/mp0-VergilWang15/commit/c51e3bcacbf5ab4bbff075a406f4067fc9220de0, -1 for wrong link)** .

(c) [2 points]: Include the answers to the following questions by modifying your README.md and commit these changes. *Incomplete Git command (-0.5 point).*
   a) What is the Git command for cloning your new repository?
   b) What is the Git command for making a commit with a commit message? *You can answer this question using the command you used for committing the GitIgnore.*

*If you find some bugs in GitHub Classroom/Education, please report to the teaching staff. You will get some bonus points for reporting bugs!