

# ASSIGNMENT 0

**DUE FRIDAY, 9/01/2017, 11:59 PM**

You should submit your homework:

- Electronically in GitHub

Points: 80

For this assignment, you should complete the following activities and submit screenshots for each step:

- Setup Java in your computer
- Create a Kattis account
- Create a GitHub account
- Add, commit, and push you first homework files on GitHub

For each step, you should take screenshots, add them to a document and submit it as a PDF file.

## Setup Java

The first step is to install Java in your computer if you have not previously done so. If you don't know if Java is installed in your computer, you can check from a command window. For Windows users, if you are not familiar with the command prompt window, you can find some help [here](#). For Mac OS users, you can find some help [here](#).

To check if Java is installed on your machine, you can issue the following command:

```
java -version
```

If Java is installed, this command should return the version of the Java Virtual Machine (JVM) that is installed on your computer. If you have it installed, take a screenshot of the information and add it to your document.

To test if your machine has the Java compiler installed, you should use the following command:

```
javac -version
```

Again, if the command returns the detail of the Java compiler, it is installed and you should take a screenshot of the information and add it to your document.

If Java is not present in your computer, follow the instructions from the corresponding link below to install it on your system:

- [Oracle Solaris Operating System](#)
- [Microsoft Windows](#)
- [Linux](#)
- [OS X](#)

After installing Java, run the previous two commands to make sure the installation is successful and take the corresponding screenshots.

## Create an account on Kattis

Create an account on [Kattis](#) using your Marist email account. The following are the steps to follow:

- Go to <https://open.kattis.com/register>
- Choose a good username
- Select your country as "United States"
- Select "Marist College" as your university
- Choose your default programming language as "Java"

Once you are done, go to:

```
https://open.kattis.com/users/<YOURUSERNAME>
```

and take a screenshot of your profile and add it to your document.

## Create an account on GitHub

### Profile

You should create an educational GitHub account to submit your assignments and projects. You can do this [here](#) using your Marist email account.

Once you create your account go to your profile overview page:

```
https://github.com/<YOURUSERNAME>
```

and take a screenshot of your profile as proof, and add it to the document where you are collecting all your screenshots.

## Repository

To submit your work to GitHub, you need to create a repository. You should call this repository cmpt220lastname, where “lastname” is your lastname. This is the only repository you’ll need for the class. The instructions to create a repository can be found [here](#).

Now add your professor as a collaborator to your repository following the instructions [here](#). The professor’s GitHub username is jfac65-marist.

If everything went well, congratulations you created your class repository. Now, it is time to produce the evidence. Go to

```
https://github.com/username/cmpt220lastname
```

where `username` is your username, and `cmpt220lastname` is the name of the repository you chose for the class. Once you are in that page, click on the green button that says "Clone or download" and take a screenshot of that page and save it into your document with your other screenshots. Please, copy the link under "Clone with HTTPS" that appears after clicking the green button, and paste it in the same document under the screenshot. This link will enable your professor to setup access to your repository.

## Submitting this homework to GitHub using Git

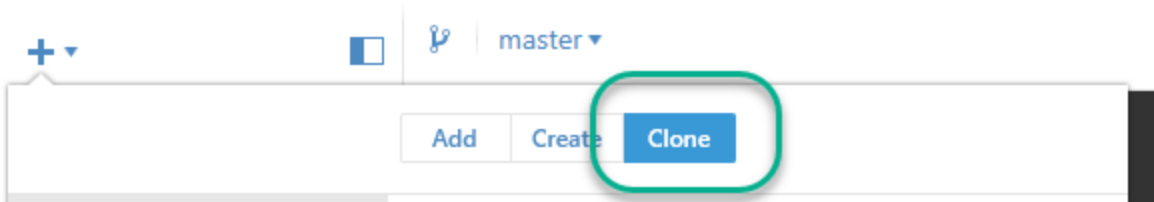
At this point, you should have a document containing all the screenshots for the steps described above. It is now time to create a PDF file and submit it to GitHub. Your document should include the following screenshots and information:

- Java VM version
- Java compiler version
- Kattis account
- GitHub account
- GitHub class repository
- GitHub class repository HTTPS link

Make sure your document shows somehow that the steps were done on your computer.

To make it easier to submit your assignments, you should install GitHub Desktop on your computer. You can get it from [here](#).

From GitHub Desktop, clone your repository, i.e. cmpt220lastname, to your local file system:

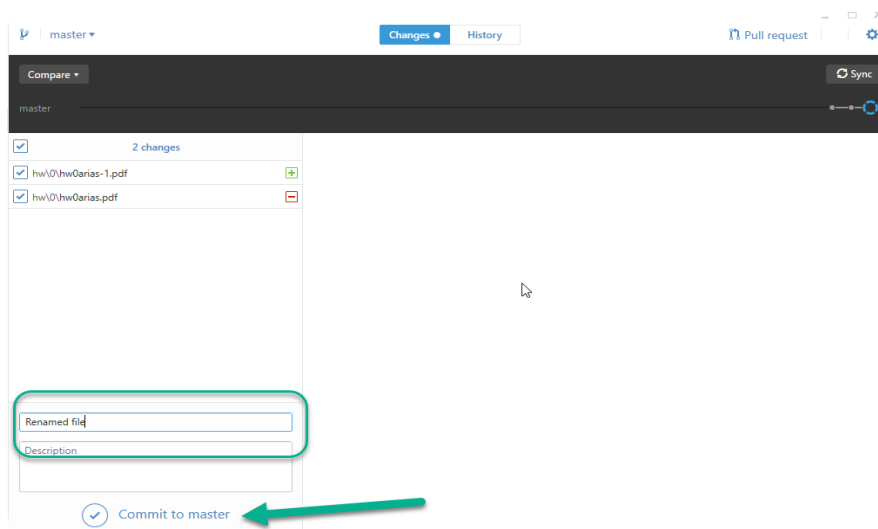


Once your repository has been cloned to your local file system, go to the directory and create a folder hierarchy like the one depicted below:

```
cmpt220lastname/  
  hw/  
    0/  
      files for homework 0 here  
      ...  
    1/  
      files for homework 1 here  
      ...  
  prj/  
    0/  
    1/  
    ...  
  labs/  
    1/  
    2/  
    ...
```

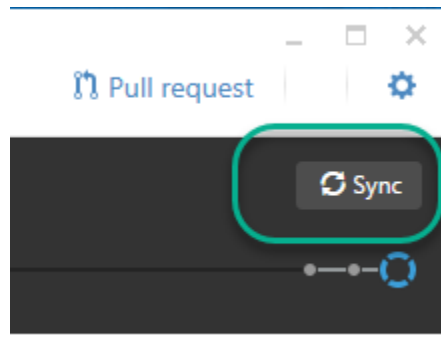
where the folder `cmpt220lastname/hw/0/` is where you would put all the files you want to submit for Homework 0, namely, your PDF file (and your source .doc file if you wish, but the **PDF is a must**).

Once you have placed the PDF file in the right directory, it's time to commit your file.



You must add a comment for the Commit link to become enabled.

Finally, you need to sync your local repository to the remote one.



You can also perform these steps using Git command line. A good explanation on how this is done can be found [here](#). It is advisable that you become familiar on how to use the command line commands for GitHub: `pull`, `add`, `commit` and `push`.