

Git Repository URL: [https://github.com/peternmai/ProjectDrive16\\_17](https://github.com/peternmai/ProjectDrive16_17)

### IMPORTANT NOTE

- Always pull changes when you start working to ensure you have the most up to date code
- Make sure to push your changes to GitHub once you're done with your part
  - ONLY PUSH FUNCTIONAL CODE
- Two person working on the same file and then pushing to GitHub would result in a bunch of merge issues that could get complicated. I'm not sure how to solve these so ye. Don't code on the same file if someone else is currently doing it. Once they're done and pushed it to GitHub, you can pull it and add your part on it.
- If anyone knows the branch command of Git, that'll be useful, if not, that's fine

### Prerequisite for Windows if you have not installed GitHub:

*We'll just be using the git.exe part of GitHub, not the whole GUI program*

1. Download and Install <https://desktop.github.com/>
2. Set Classpath variable
  - a. Type "Edit the System Environment Variables" in Start
  - b. Click Environment Variables Button
  - c. Under "System variables" double click "Path"
  - d. Locate where git.exe is stored
    - i. Should be in C:\Users\<User>\AppData\Local\GitHub\PortableGit\_<long string of letters and number>\cmd\
    - ii. Replace <User> and <long string of letters and numbers> with its appropriate string
  - e. Click "New"
  - f. Paste in this directory path
  - g. Click "Ok" on everything
3. Git should work on windows now

I think Mac already has git installed, not sure.

### More Prerequisite: Set Up Git on your Computer if you have never used Git

- Type the following on terminal or cmd
  - `git config --global user.name "<First Last>"`
  - `git config --global user.email <username@email.com>`

### Get Git Repository onto your computer (***FIRST TIME ONLY***)

1. Open up terminal/cmd/PowerShell
2. Create a folder called "ProjectDrive16\_17" and go into that folder  
Type `git clone https://github.com/peternmai/ProjectDrive16_17 .`

**Note the space between 17 and .**

### **Push Your Changes to GitHub**

1. In terminal/cmd/PowerShell, add changed file to staging area  
`git add <filename>`
2. Commit files (save file to local repository)  
`git commit -m "Insert your comment message here"`
3. Push changes to GitHub  
`git push origin master`
4. Enter your username and password

### **Pull Changes from GitHub**

1. `git pull`

### **Other Useful stuffs**

- `git status`
  - Check to see if files need to be staged using add
  - Check if files have been committed
- `git --help`