

# Github Setup - Windows command line

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## This document is for

Windows users who wish to create a local repository from Github

## Installing git (first time only)

1. Go to <https://git-scm.com/download/win> and download the appropriate installer. Run it once it's downloaded. Click through - leave everything as defaults
  - a. Remember the directory where you saved the Git folder! Usually this is "C:\Program Files" for Windows.
2. The Git installer should automatically add Git to the PATH environment variable.
  - a. Check by going to command prompt and typing `PATH`. The git folder should be in the path, as shown below.

```
E:\My Files\ECE-3400-Team-12>PATH
PATH=C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\ProgramData\Oracle\Java\javapath;C:\windows\system32;C:\windows;C:\windows\System32\Wbem;C:\windows\System32\WindowsPowerShell\v1.0\;C:\Program Files\Microsoft SQL Server\110\Tools\Binn\;C:\Program Files\Microsoft SQL Server\120\Tools\Binn\;C:\Program Files\MATLAB\R2013a\runtime\win64;C:\Program Files\MATLAB\R2013a\bin;C:\Program Files (x86)\Windows Live\Shared;C:\Program Files\Microsoft SQL Server\130\Tools\Binn\;C:\Program Files (x86)\nodejs\;C:\Program Files\Git\cmd;C:\Program Files\MySQL\MySQL Utilities 1.6\;C:\Program Files\MySQL\MySQL Server 5.7\bin;c:\Python;C:\Program Files (x86)\Skype\Phone\;C:\Program Files (x86)\Android\android-sdk\platform-tools;C:\Program Files\MySQL\MySQL Server 5.7\bin
```

- b. If you don't see it, type `set PATH = %PATH%;C:\Path\To\Git\cmd`

## Creating local repository (first time only)

1. In command line, use `cd` to navigate to the folder where you're going to create your local repository.
2. `git clone https://github.com/user/repo.git`
  - a. You can grab the link to the repo in Github. Navigate to the repository in Github. It is in the green box that says "Clone or download" on the upper right.
3. This will create the local repository in your designated folder.

## Changing files - pulling/pushing/committing

1. Use `cd` to navigate to the folder containing your local repository.
2. Use `git pull` to pull all updated info from the github repo. Do this every time you come back to work on the repo.
3. Make any changes you want to the files.
4. Type `git add --all` to add all the changes you made to the commit.
  - a. You can type `git status` to review all the changes.
5. To add a commit message, type `git commit -m "YOUR_COMMIT_MESSAGE_HERE"` (Good style is to use present tense, like "Add team.html")
6. Push the changes using `git push`