VII.LAB: GIT INSTALLATION & CONFIGURATION, GITHUB SETUP

FIRST, LET'S ENABLE OURSELVES TO USE SUBLIME FROM THE COMMAND LINE

After installing Sublime Text (anyone NOT using Sublime?)

1. *Make a symbolic link to Sublime by typing:*

```
sudo ln -s "/Applications/Sublime Text 2.app/Contents/
SharedSupport/bin/subl" /usr/local/bin/subl
```

2. *Enter your system password when prompted.*
3. *Now, you can open and edit any file in Sublime by typing:*

```
subl <myfile.py>
```

GIT INSTALLATION

To install git on your machine:

1. *Navigate to* http://git-scm.com/download
2. *Download the installer for your platform (e.g. Mac)*
3. *Double-click on the DMG file (in your downloads directory)*
4. *Read the README file*
5. *CTRL-click on the PKG file and click the button to open (Mac)*
6. *Git installs. Wait for it to complete. Then...*

GIT INSTALLATION

To verify git installation on your machine:

7. *Open a new Terminal window and type:*
   git -- version
8. *The system responds with the version of git being used. Is this the same version number you just installed? Or is it the version that comes installed on Mac OS X?*

```
Last login: Fri Mar  7 14:55:50 on ttys002
Robs-MacBook-Pro:~ rob$ git --version
git version 1.8.3.4 (Apple Git-47)
```

9. *If it is not the same version, then update your PATH:*

```
echo "export PATH=/usr/local/git/bin:/usr/local/
bin:/usr/local/sbin:$PATH" >> ~/.bash_profile
```

10. *Then type:*

```
source ~/.bash_profile
```

11. *Now check the version again:*

```
git --version
```

```
Robs-MacBook-Pro:~ rob$ git --version
git version 1.9.0
```

GIT CONFIGURATION

12. *Now, we proceed to configuration of git:*

```
# Set your username
$ git config --global user.name "Your Name Here”

# Set your email address
$ git config --global user.email "your_name@domain.com”
```

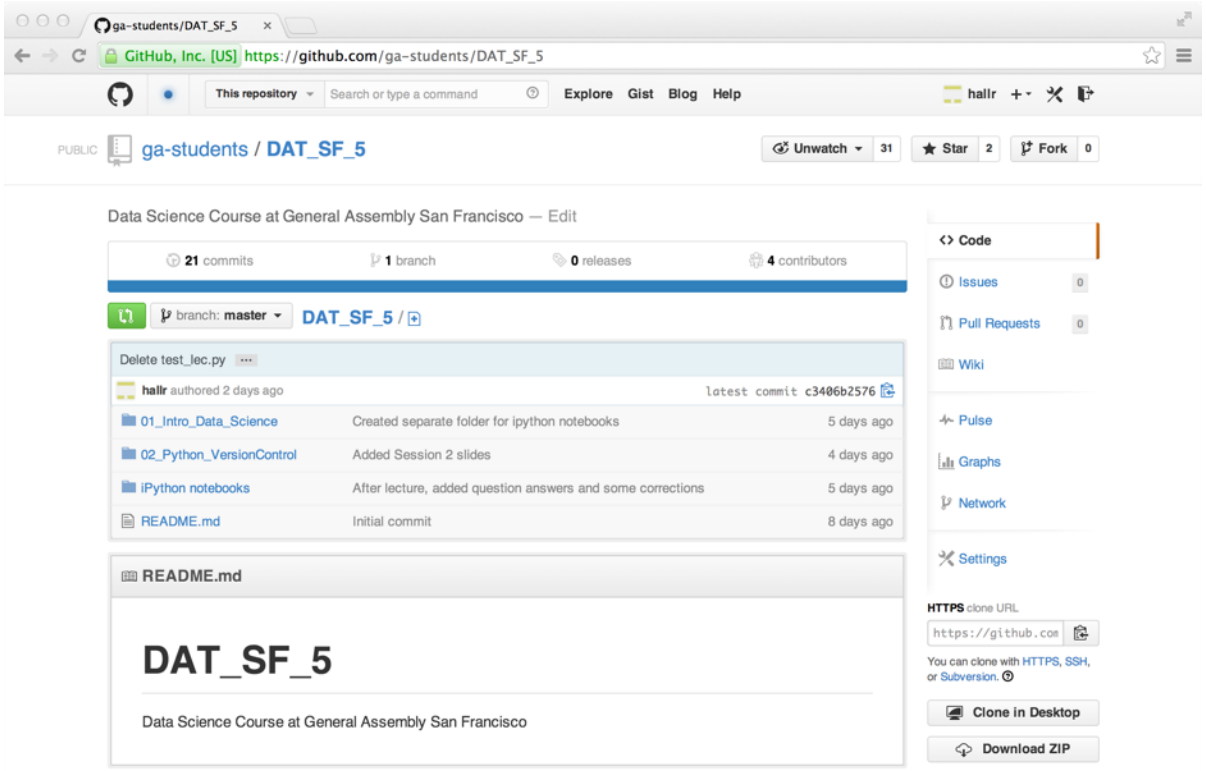
13. *Check your configuration settings:*

```
$ git config --global user.name
$ git config --global user.email
```

14. *#winning! Now, on to our Github setup...*

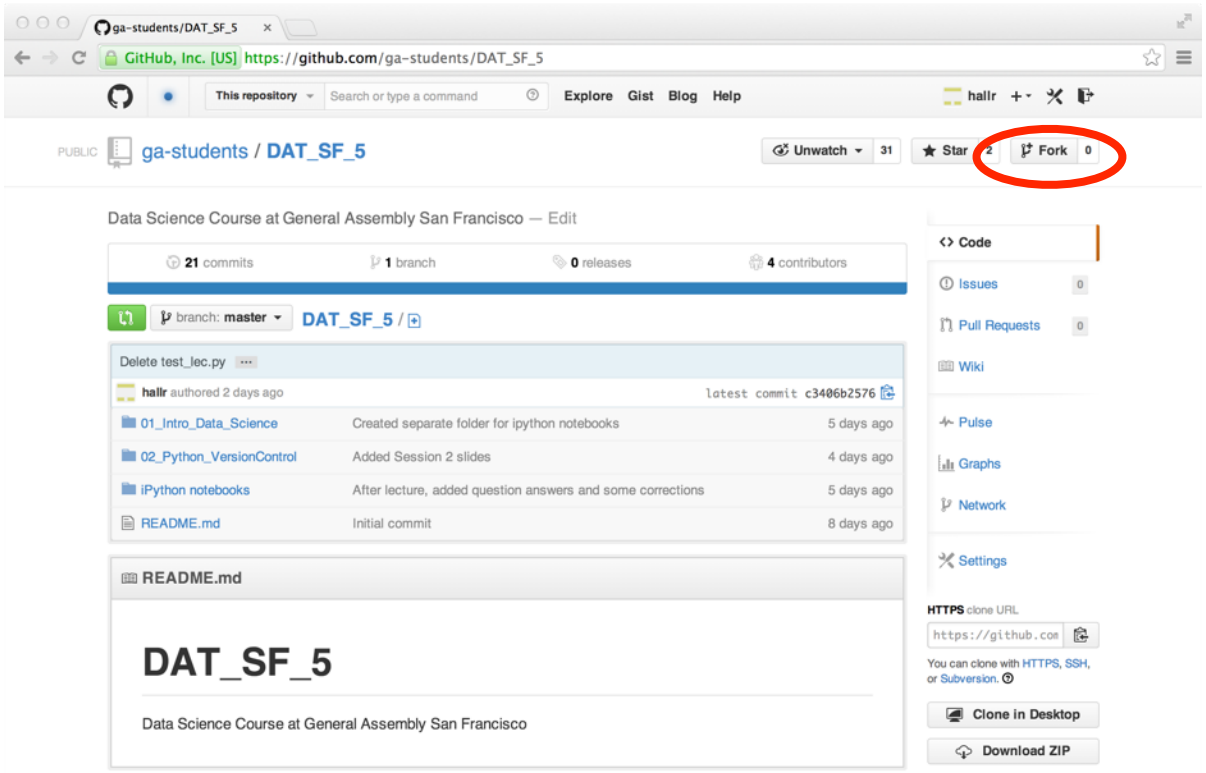
GITHUB SETUP FOR THIS COURSE

In your browser, go to: https://github.com/ga-students/DAT_SF_5



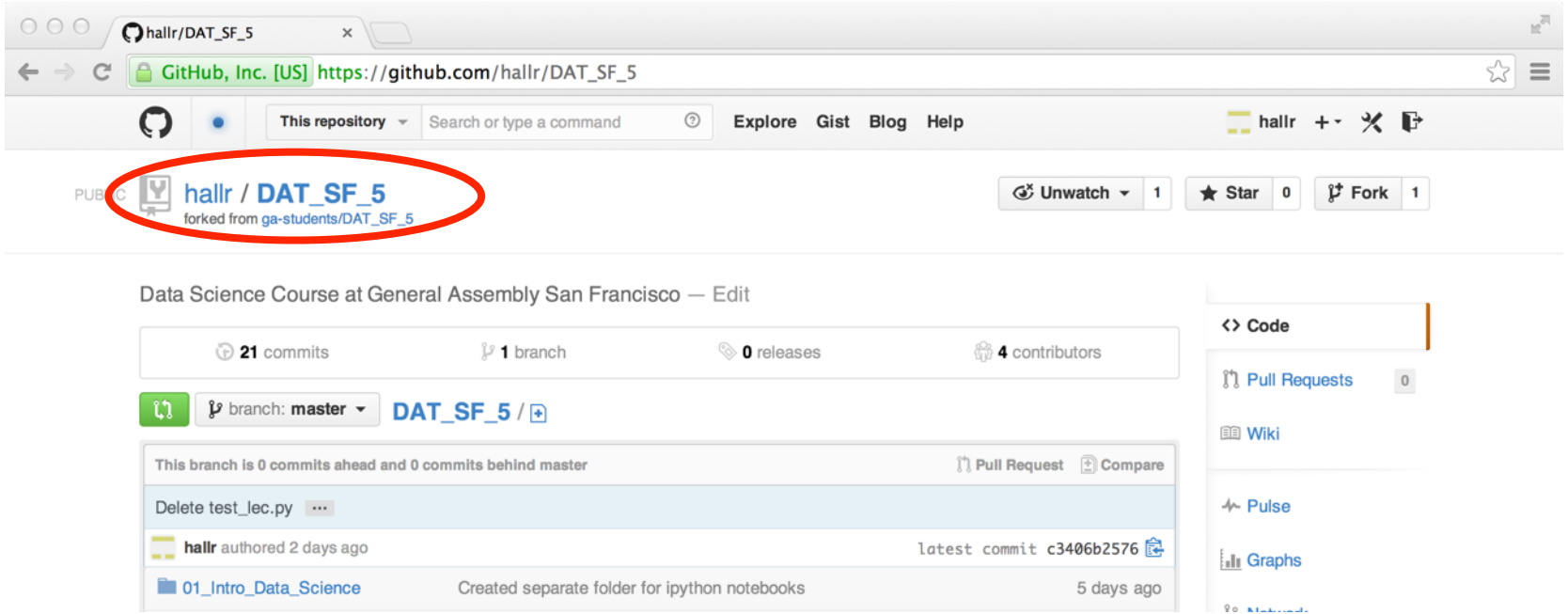
GITHUB SETUP FOR THIS COURSE

Fork this repo to your own Github account



GITHUB SETUP FOR THIS COURSE

You should see a fork under YOUR Github account:



GITHUB SETUP FOR THIS COURSE

Next, we will clone your newly forked repo to your local machine.

1. *Navigate to your GeneralAssembly directory (under which we will be doing all of our work). Create this on your desktop if you want.*
2. *cd into that GeneralAssembly directory.*
3. *Copy the clone url for the repo from its Github page.*
4. *Back in the terminal, type:*

```
git clone https://github.com/<YOUR USERNAME>/DAT_SF_5.git
```

5. *Your forked repo will download to your local machine.*

GITHUB SETUP FOR THIS COURSE

Next, we will create a link to the instructor repo so that you can easily get the latest course materials:

1. *In the terminal, add an "upstream remote" by typing:*

   ```
   git remote add instructor https://github.com/ga-students/DAT_SF_5.git
   ```

2. *Verify that we have successfully added both remotes by typing:*

   ```
   git remote -v
   ```

GITHUB SETUP FOR THIS COURSE

To post files to your forked repository on Github:

1. *Copy your homework iPython notebook file to your cloned Github repo. In the top level of DAT_SF_5 is fine.*
2. *Now type:*

```
git status
```

3. *To add the file to the staging area, type:*

```
git add <filename>
```

4. *Again, type:*

```
git status
```

To post files to your forked repository on Github:

5. *Next, commit the files you just added to the staging area by typing:*

```
git commit -m "Adding HW1 python notebook"
```

6. *Now type:*

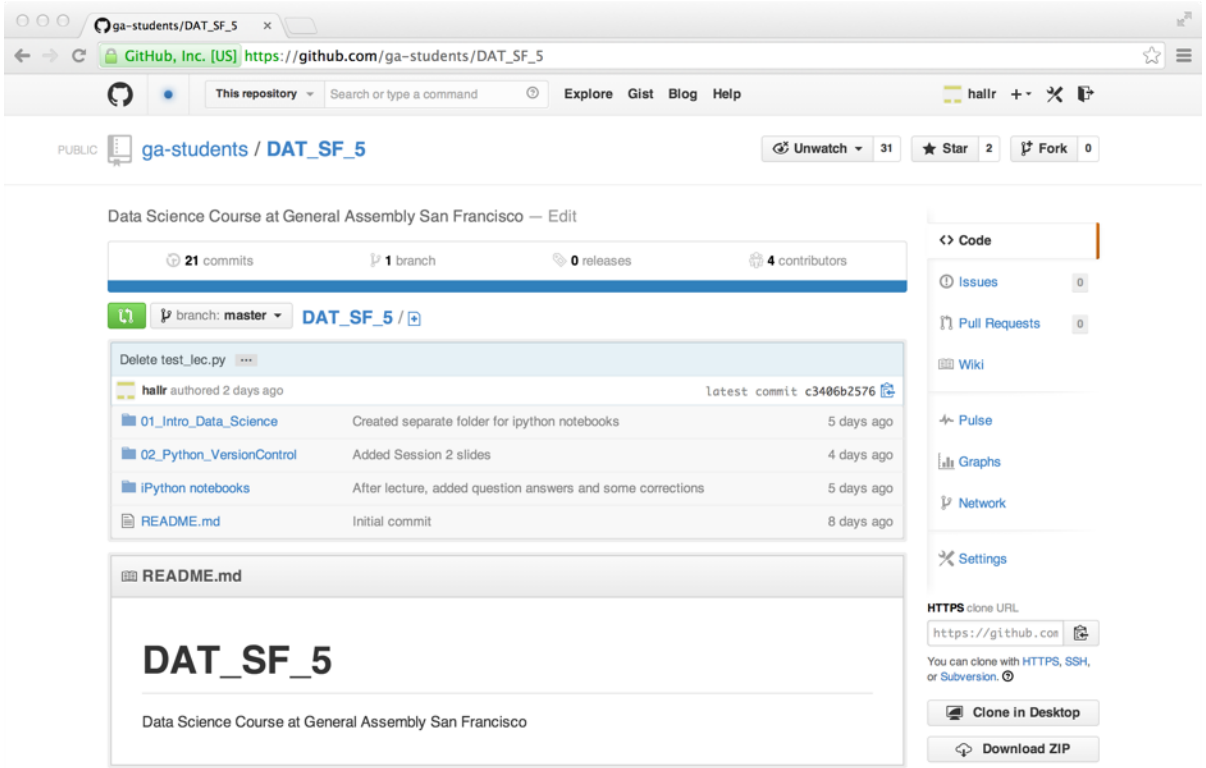
```
git status
```

7. *To push your commits up to your Github account (in the cloud):*

```
git push -u origin master
```

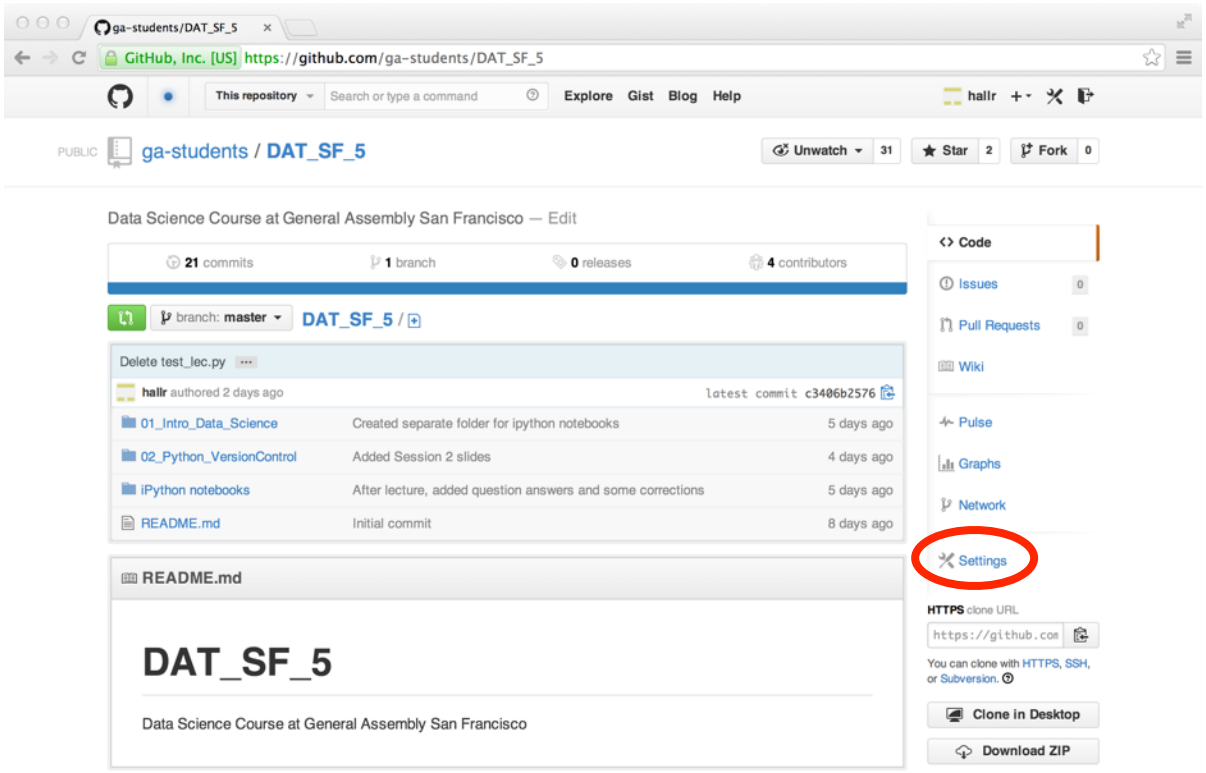
GITHUB SETUP FOR THIS COURSE

Now, go to your forked repo on Github, and you should see your file!



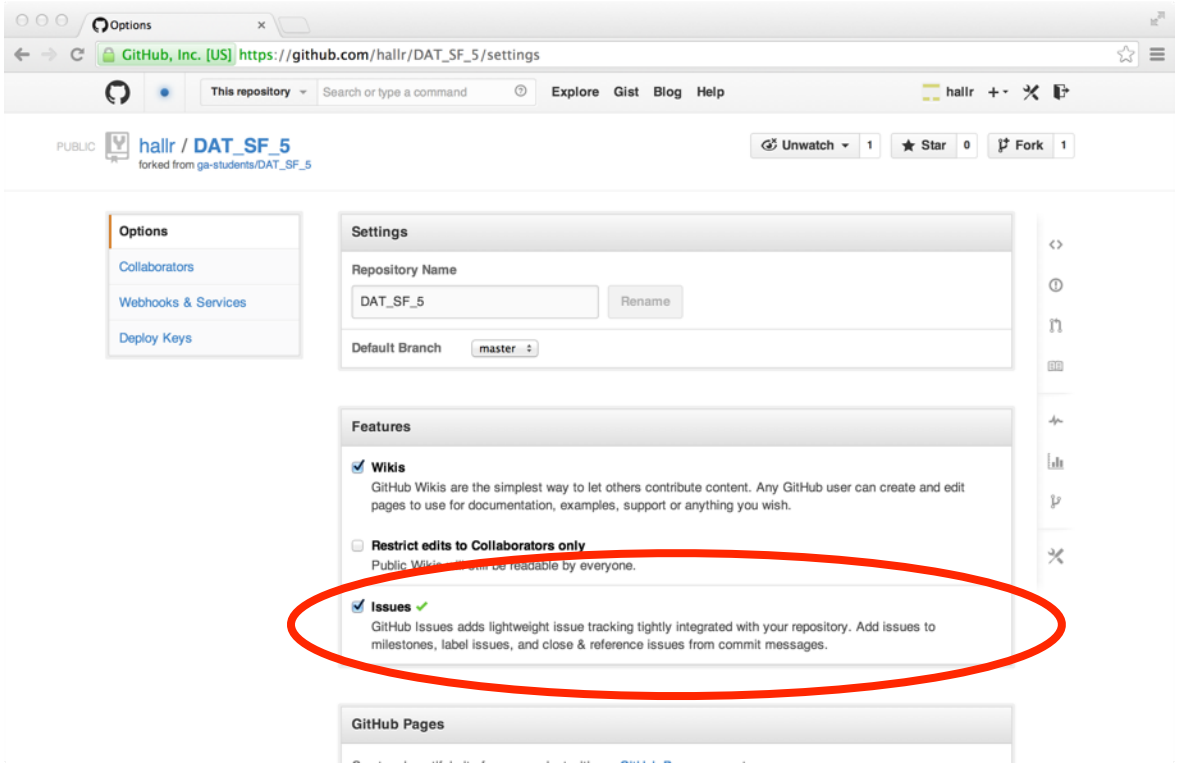
GITHUB SETUP FOR THIS COURSE

Next, click on "Settings":



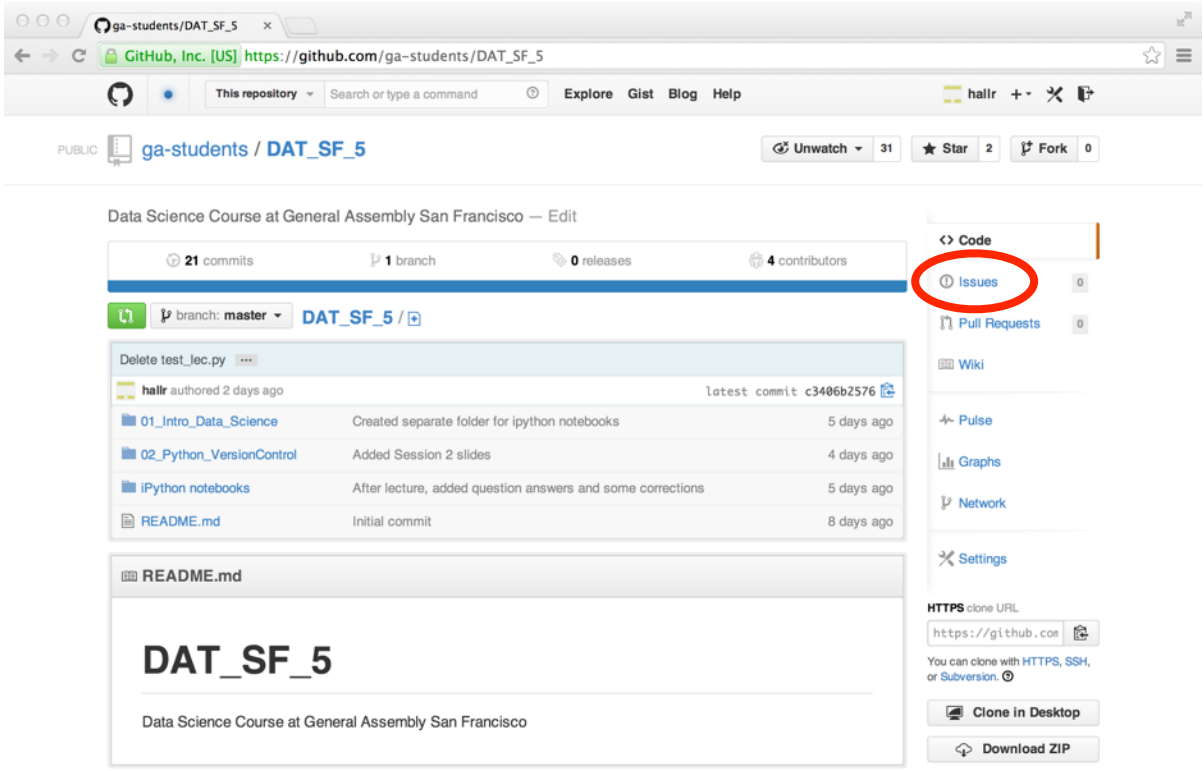
GITHUB SETUP FOR THIS COURSE

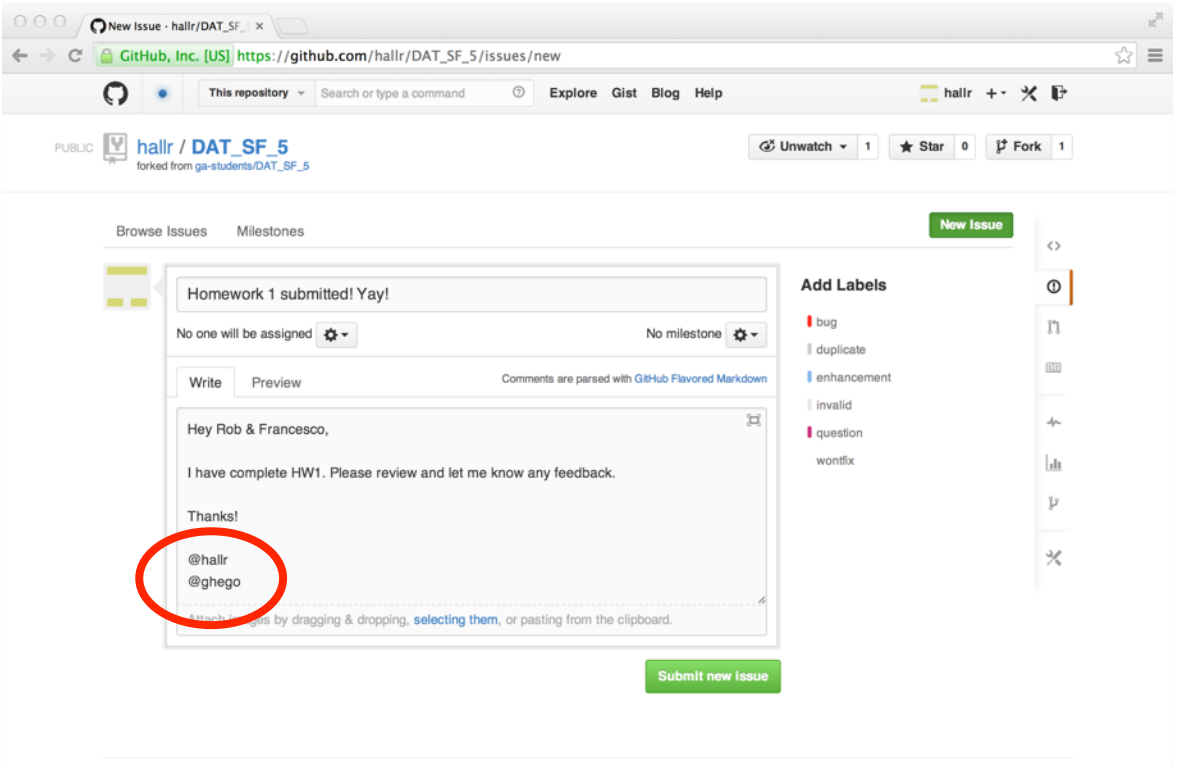
On the Settings page, enable issues:



GITHUB SETUP FOR THIS COURSE

To notify the instructor team of your submission, open an issue:



GITHUB SETUP FOR THIS COURSE

Create a new issue and ADD OUR GITHUB HANDLES: