Homework Overview
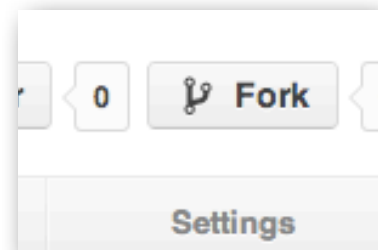## How to Get The Homework, Do It, and Turn It In

> **GOALS**
>
> ✓ How to Download the homework assignments.
> ✓ How to do the homework.
> ✓ How to turn in your homework.

To begin:

1. Install the *git* utility on your computer. You can check if it's installed by running **`git --version`** from your command shell.
2. Get a free Github.com account and sign in.

1. How to Download the Homework

In order to be able to do your homework, you must retrieve a copy of the class code for that week. All of the homework consists of incomplete code that you must finish. Unit tests are provided so that you can grade your homework before you even turn it in.

1. Go to the repository for the appropriate week.
    For example: https://github.com/entr925/week1
2. Click the ***Fork*** button in the upper-right corner.
3. You should now have your own copy of the homework repository.
4. Now, clone your fork onto your local computer. Start at your home folder (for example) and then something like:

    ```
    ~$ git clone https://github.com/{myusername}/week1
    ```

5. You should now have a subdirectory by the same name:

    ~$ **cd week1**

You will have subdirectories for the code we wrote in class and for the homework.

2. How to Do The Homework

Each week's worth of homework contains a README file of assignment instructions, some prewritten application code, and unit test code.

1. Go into the homework subdirectory:

    ~/week1$ **cd homework**

2. Read the README file that's in each folder for instructions.

3. The unit tests will assess whether all of the coding requirements have been met. To run the tests, just invoke the *rake* utillity from your homework folder:

    ~/week1/homework$ **rake**

3. How to Turn In Your Homework

It's easy to turn in your homework. Follow both of these steps:

1. Commit your changes to your local git repository:

```
git status
git add -A
git commit -m "Homework completed"
```

2. Upload a copy of your local repository up to your Github account:

```
git push
```

If you run into any problems, contact the instructor or a TA as soon as possible.