

Github Group Guide

How to work on the project

First time

- Open terminal, change working directory to location where you want cloned directory to be made (ex ~/repos/), then Clone Repository

```
git clone https://github.com/cecs544/BugHound.git
```

- change to BugHound directory, then make virtual environment, activate env, then install requirements

```
python3 -m venv env
```

```
source env/bin/activate
```

(or for windows: `env\scripts\activate`)

```
pip3 install -r requirements.txt
```

- then continue with regular workflow

Regular Workflow

- Make sure you are up to date with the master branch

```
git pull origin master
```

- create a new branch locally to work on every new feature (never work on master)

```
git checkout -b branchName
```

- create branch on github

```
git push --set-upstream origin branchName
```

- work on new feature
- when you are done, add/commit files locally and then push changes to your branch

```
git add -A
```

```
git commit -am "commit message"
```

```
git push origin branchName
```

- Then when you are ready to merge your branch with Master, make a pull request on GitHub
 - Your organization > branches > your branch > compare & pull request
 - Someone else in your group should approve the pull request before merging your branch with master

- before merging, make sure you are up to date with master

```
git checkout master
```

```
git pull origin master
```

```
git checkout branchName
```

```
git merge master
```

- resolve conflicts. if you can't, abort and try again

```
git merge --abort
```

- once you have merged your branch with master, you can delete the branch

- On Github:

```
git push origin :BranchName
```

- Then locally:

```
git branch -d branchName
```