How to submit with git

This assumes you have completed the gitolite setup.

All submissions for the class will be done via git.

There is a strict repository naming requirement. For homework assignments, your repository should be named exactly “homework#” where “#” is replaced with the homework number. For homework 1, the repository name should be “homework1”. Repositories named differently will not be graded.

At the deadline we will run a script which clones the current state of all student homework repositories. **Ensure that at the deadline the head of branch “master” points to the project state you want us to grade.** (This is the default behavior if you only use “git commit” and “git push”).

Android Studio Generates many extra files which we do not need to run your project. All of the necessary files from your project directory are listed below.

(TIP) You can generate a .gitignore for your project by enabling version control (VCS → Enable Version Control Integration, select git) this tells git to ignore the files we don't want to see in your project repository.

**Linux, OSX, *nix Instructions**

Initialize your submission repository and create your local clone:
```
git clone cs371m@git.cs.utexas.edu:FS16/your_EID/homework0
```

Add the README by entering the homework0 directory and running
```
git add README
```

Following is a list of files and directories that should be added to the repository:

- app
- build.gradle
- gradlew
- .idea
- settings.gradle
- gradle
- gradle.properties
- gradlew.bat

In order to add these files, enter your Android Studio project directory and run:
```
git add app build.gradle gradlew .idea settings.gradle gradle gradle.properties gradlew.bat
```

Commit your changes
```
git commit -m “initial commit”
```

Push your changes
```
git push
```
Done! Don't forget to commit and push further changes.

**Windows Instructions**

Using the Git GUI Initialize your submission repository using this path and create your local clone:

```
cs371m@git.cs.utexas.edu:FS16/your_EID/homework0
```

This will clone an empty folder named homework0 (you will have to chose the location). Drag your README into this folder. Also drag your Android Studio project into this folder.

Next you need to add the correct files to git.

In addition to your README, the following files and folders inside your Android Studio project need to be added.

- `app`
- `build.gradle`
- `gradlew`
- `.idea`
- `settings.gradle`
- `gradle`
- `gradle.properties`
- `gradlew.bat`

One method of doing this is to use the GUI, but unfortunately there are a LOT of files generated by Android Studio. An easier method is to click the terminal button in Source and to do it manually.

```
git add README.txt
ls
cd homework0/\<AndroidStudioProject> #whatever that is
git add app build.gradle gradlew .idea settings.gradle gradle gradle.properties gradlew.bat
```

Next you need to commit. Press the commit button and add “initial commit” to the message. Press commit.

Finally you need to push. In the menus, go to repository > push

Done! Don't forget to commit and push further changes.