Assignment 1

40 points

Due: January 18, 2022 11:59PM
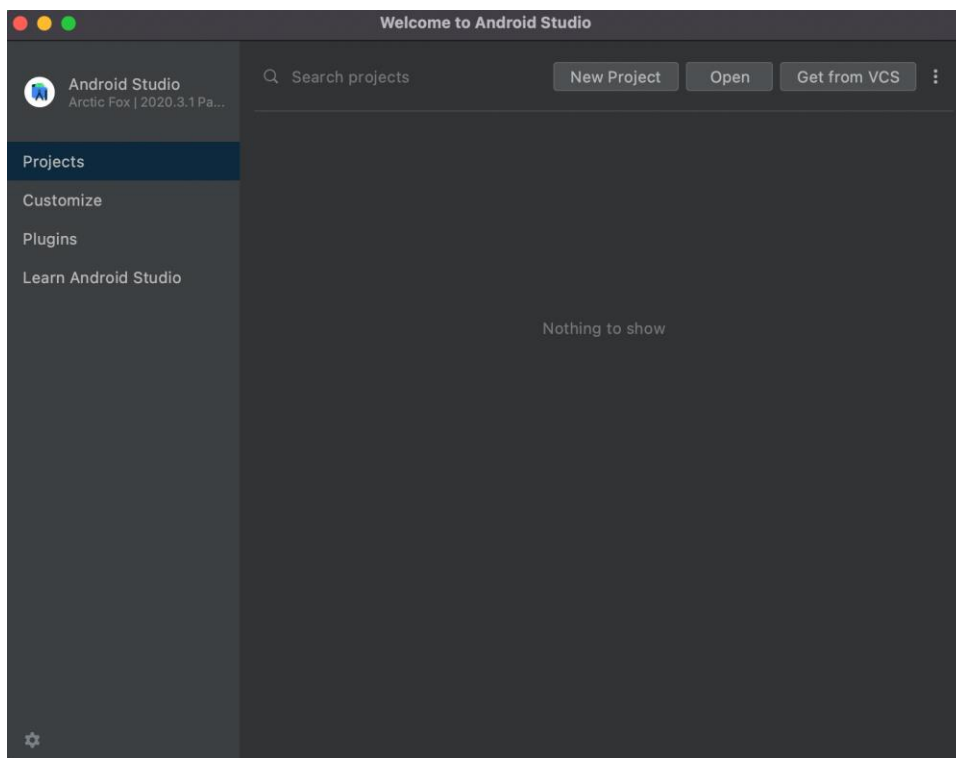
This assignment will lay the foundation for all future work this semester.

Install Android Studio
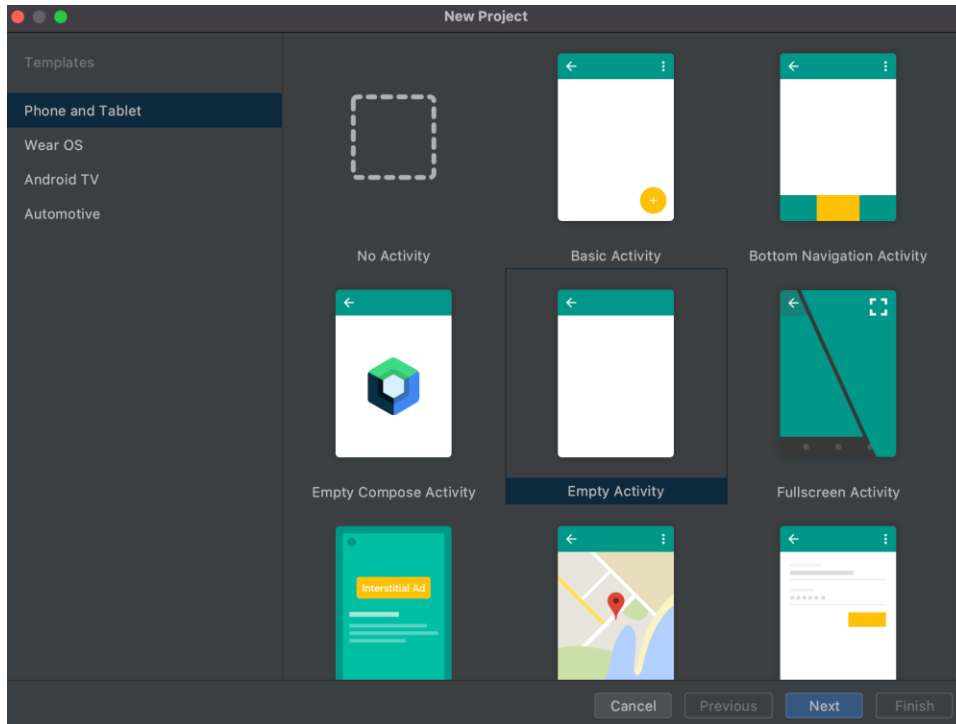
Visit https://developer.android.com/studio/ and download Android Studio. Follow the instructions for your platform to install it.

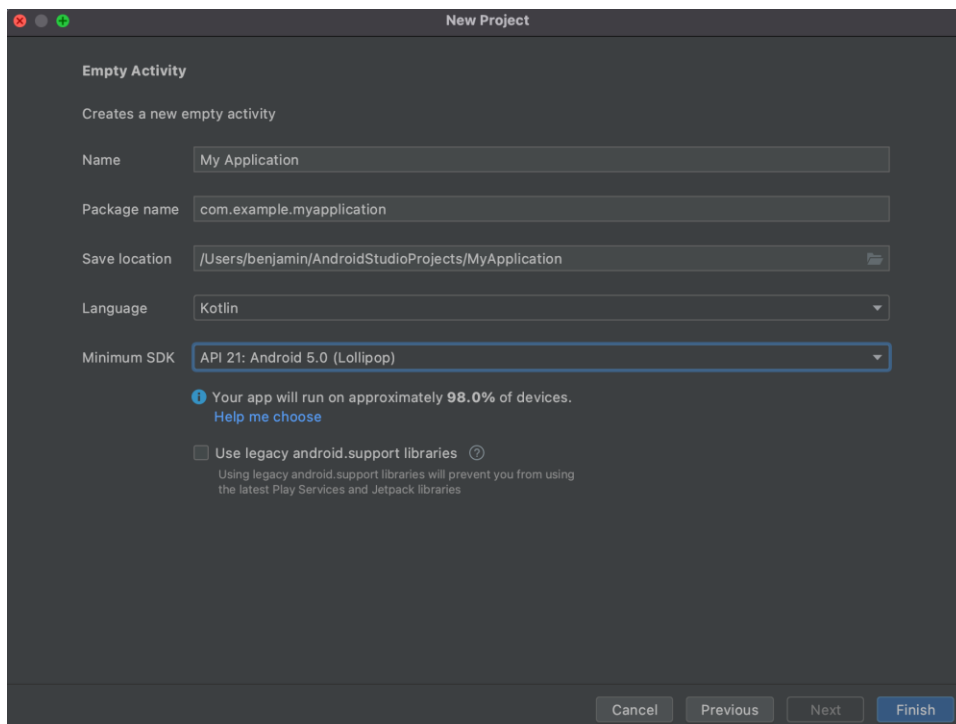**Create an empty project**

Open Android Studio

Click on "New Project."

Make sure the "Empty Activity" option is selected and click "Next."

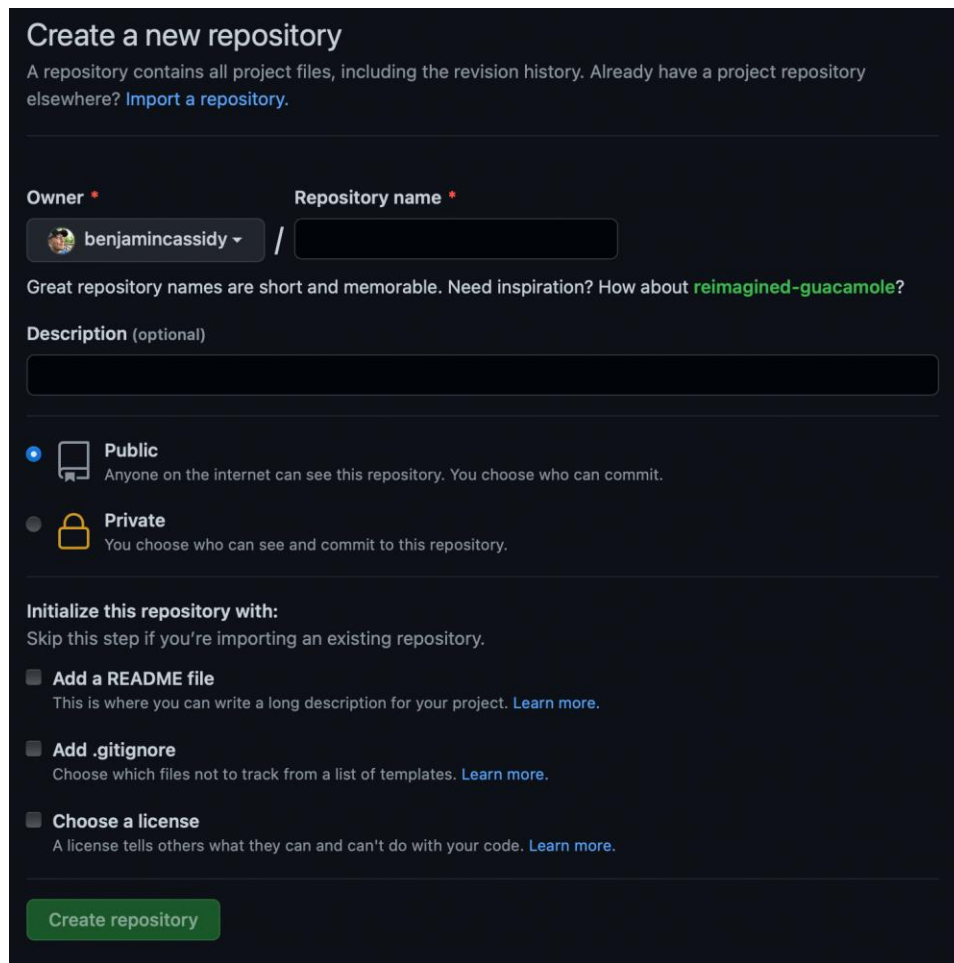Enter a name for your application in the "Name" field and click "Finish."

Install Git

If you are using MacOS or Linux you likely have Git installed already. If you are using Windows and do not have Git installed please visit: https://git-scm.com/download/win and download and install the Git command line tool.

Create a GitHub repository

If you do not already have a GitHub account, visit https://github.com and create one.
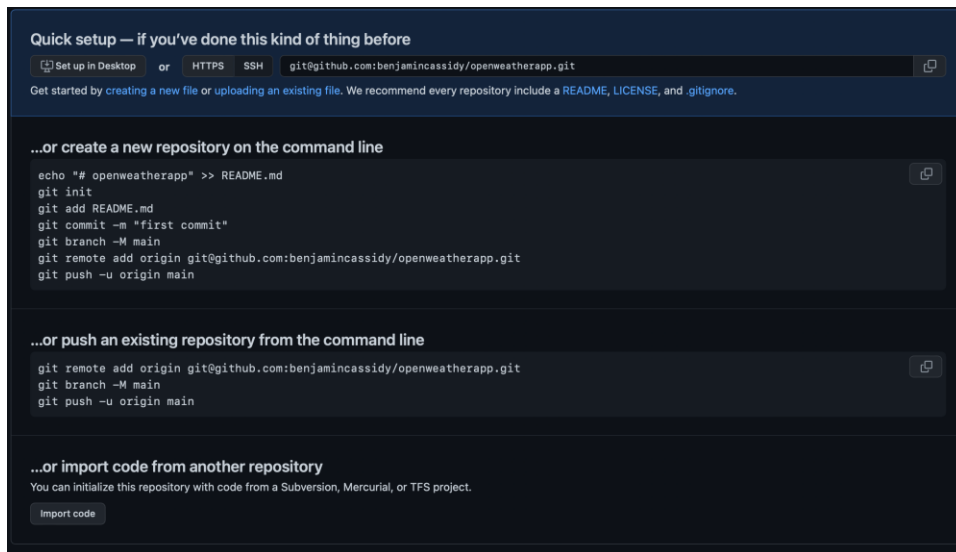
Log in to GitHub. On the top right of the screen click on the "+" icon and select "New Repository."

Enter a name for your project in the "Repository Name" field and click on "Create Repository." Do not select any other options. Leave everything as it appears in the screenshot above.

Upon successful creation you will see something like this:

On the command line navigate to the folder where you created the Android application in the first part of this assignment. Follow the instructions in the "...or create a new repository on the command line" section.

Push your code to Github

Return to Android studio and open the `Terminal` through View -> Tool Windows -> Terminal.

In the terminal run the following commands

```
git init
```

```
git add .
```

```
git commit –m "Initial commit"
```

```
git remote add origin git@gitub.com:{githubUsername}/{githubRepository}.git
```

```
git push –u origin main
```

Create your Open Weather Map account and get student API access

Visit https://home.openweathermap.org/users/sign_up

Enter your information and create your account.

Verify your email

Visit https://openweathermap.org/our-initiatives/student-initiative and click on the "Get Access" button.

Follow the steps.

What to submit

In D2L submit the link to your Github repository and your Open Weather Map API key to the Assignment 1 dropbox.

Grading

10 points – Github repository is created

20 points – Android project has been pushed to Github

10 points – Open Weather Map API key submitted