

SWAN Library

In this tutorial we discuss how to use SWAN as a library in your project.

Clone Git project

We discuss steps to follow to clone project from git.

- `$git clone https://github.com/swandroid/swan-sense-studio.git`

- go to `swan-sense-studio` directory

- Check available branches in git repository

```
$git branch -a* master
remotes/origin/HEAD -> origin/master
remotes/origin/master
remotes/origin/swan_lib
```

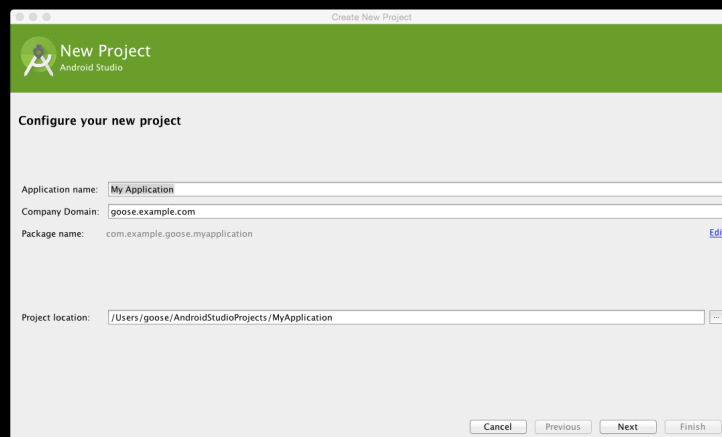
- Check out `swan_lib` branch locally

```
$git checkout -b swan_lib origin/swan_lib
```

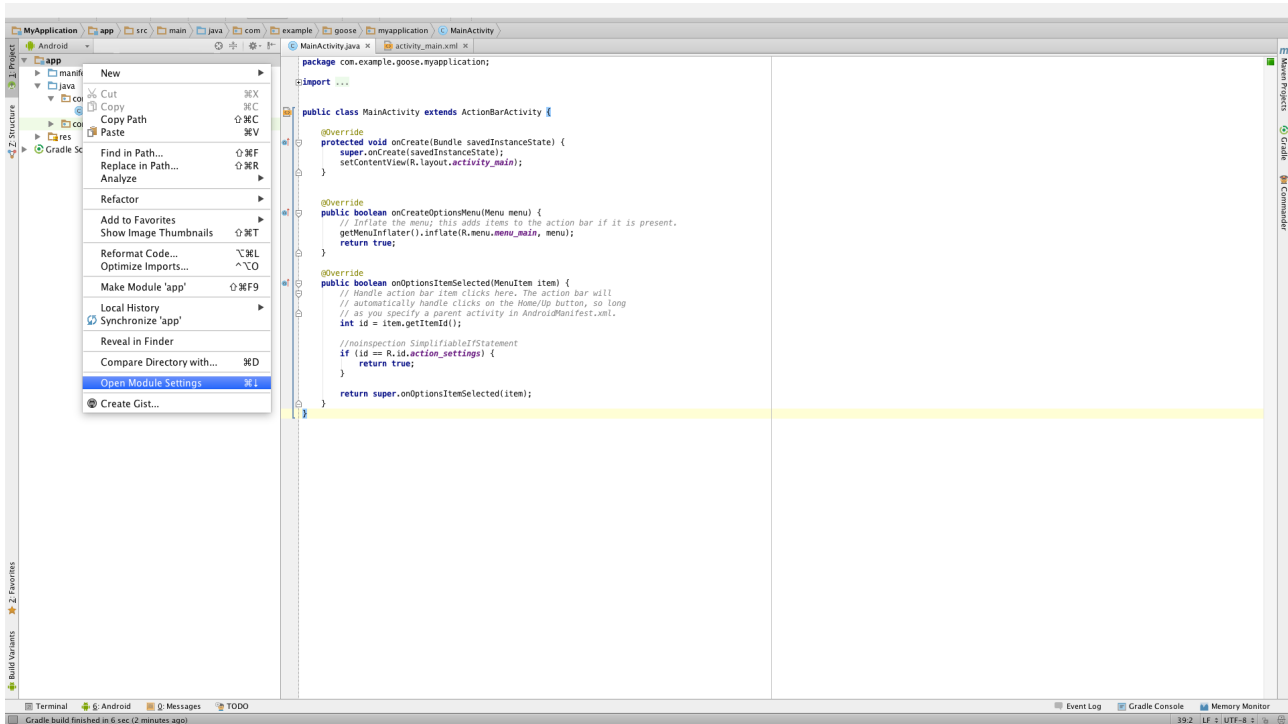
Now the SWAN project is locally available as a library project.

Adding SWAN library project in Android Studio

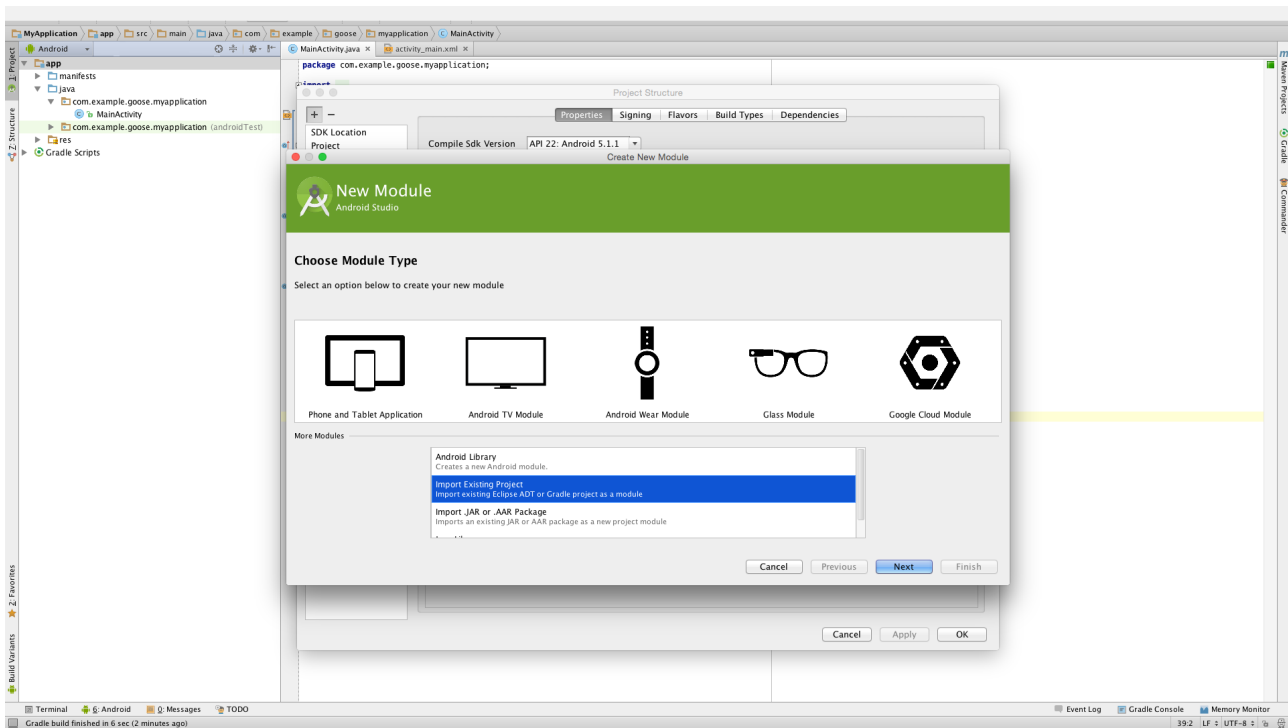
- Start a new project(if necessary)



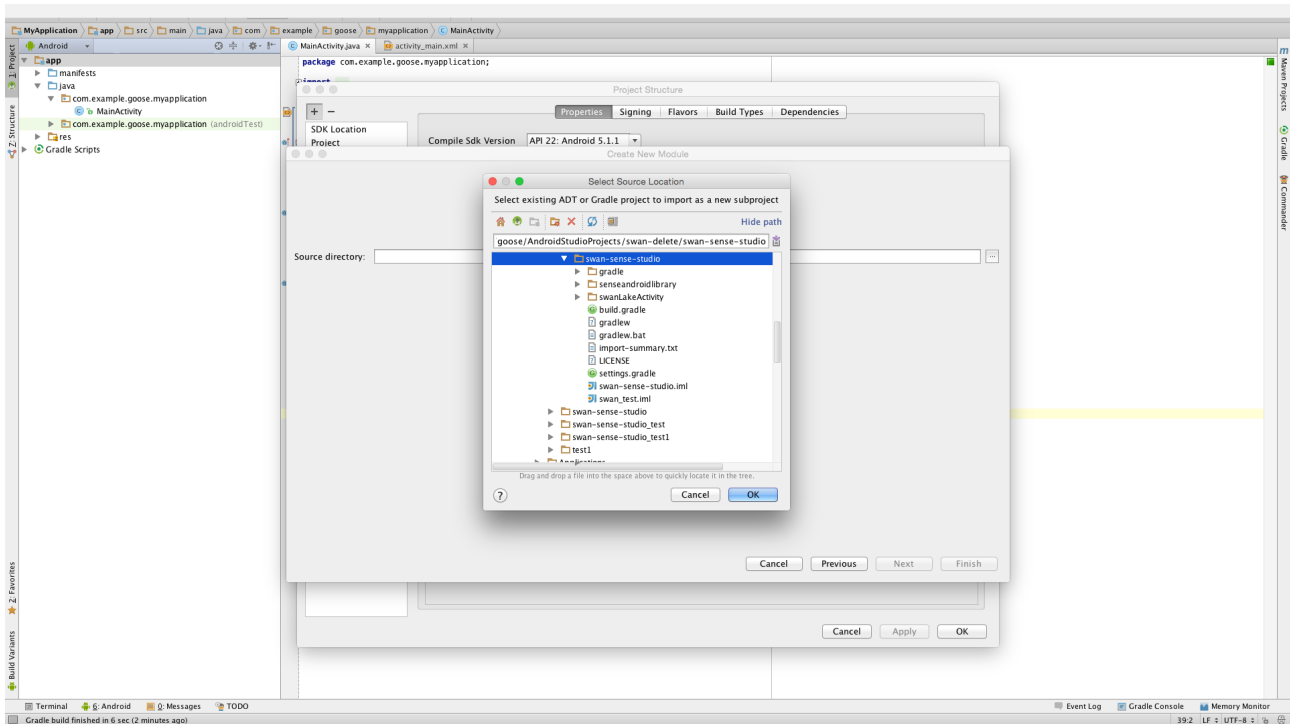
- Open module settings



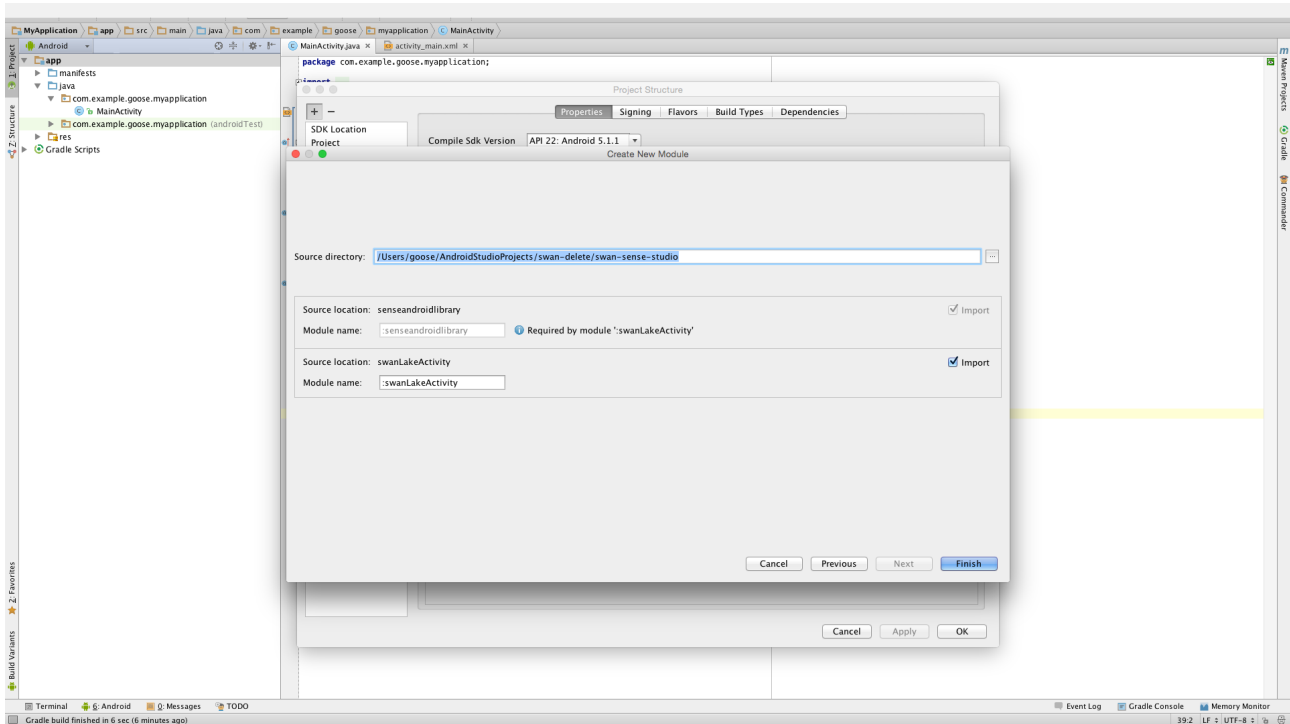
- Add new module



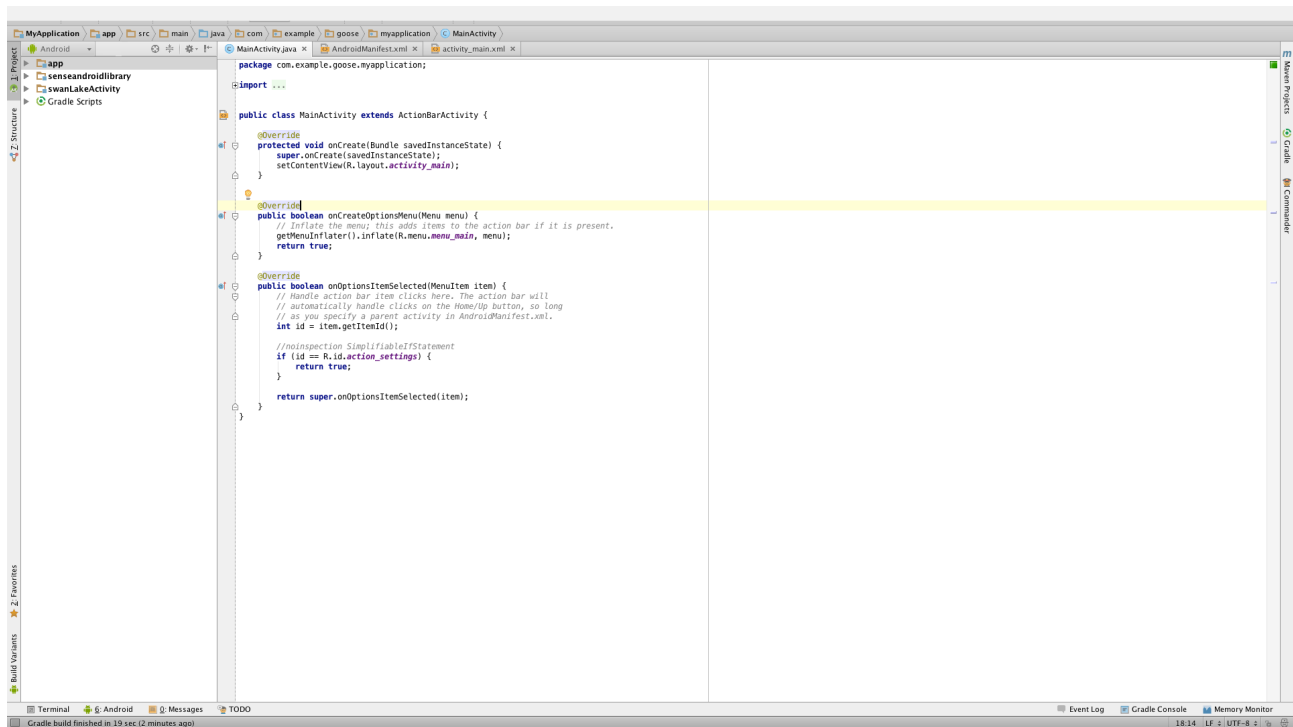
- Give the source directory as the cloned directory from git



- Import both swanLakeActivity and senseandroidlibrary



- Now the workspace have both `swanLakeActivity` and `senseandroidlibrary`

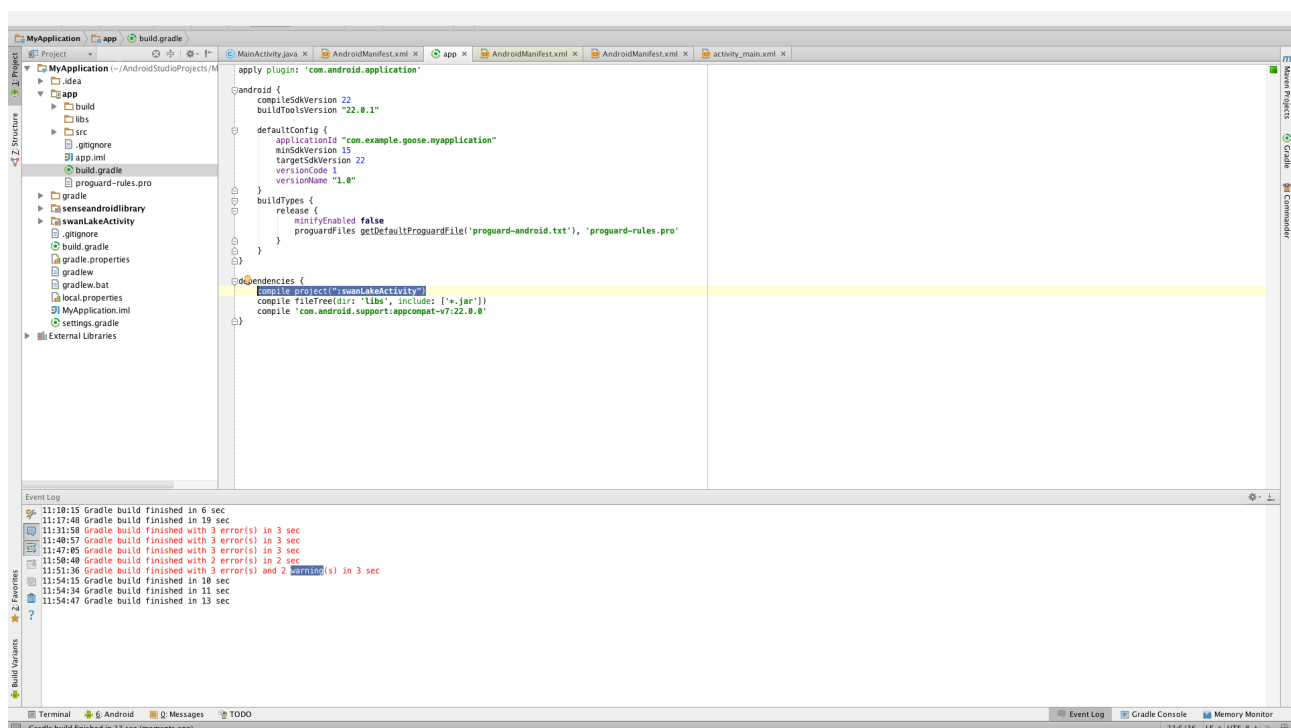


- To use SWAN in the app, we will have to modify the `AndroidManifest` file of the app. We explain this in the next section.

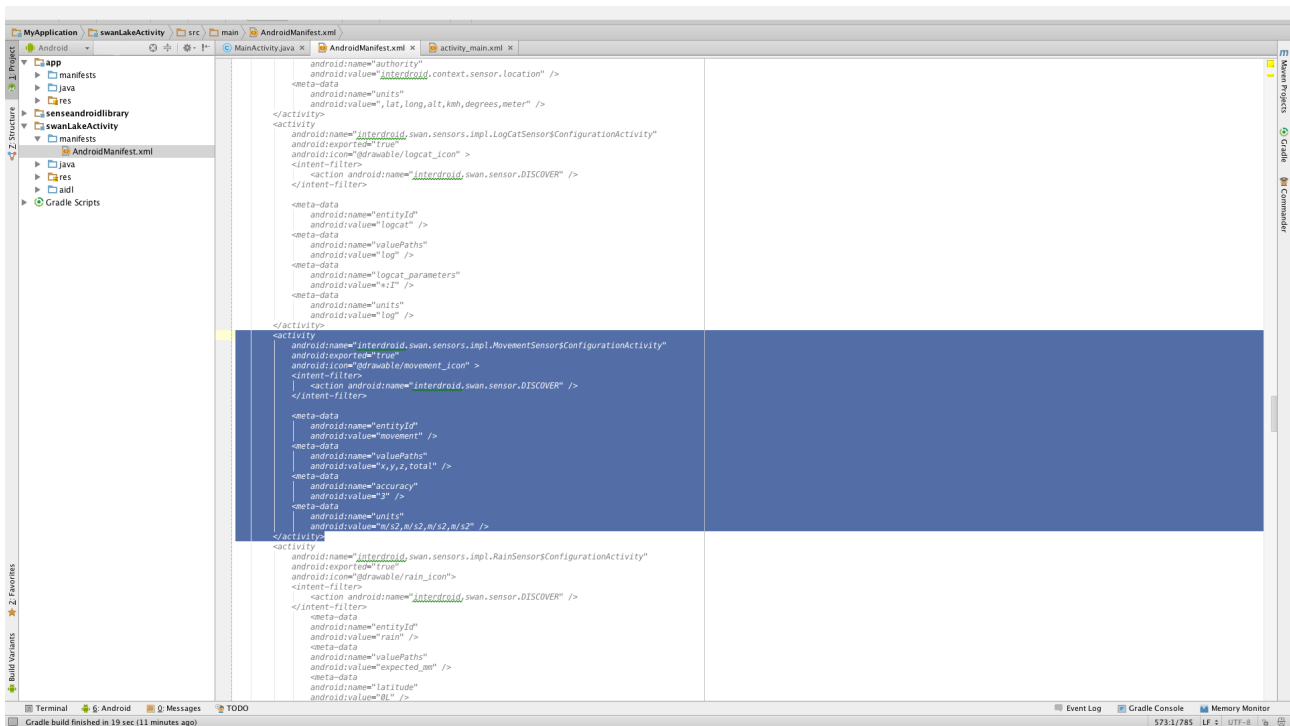
Using SWAN in your App

Here we discuss how to use movement(accelerometer) sensor from SWAN in your app. You can use other sensors in a similar way.

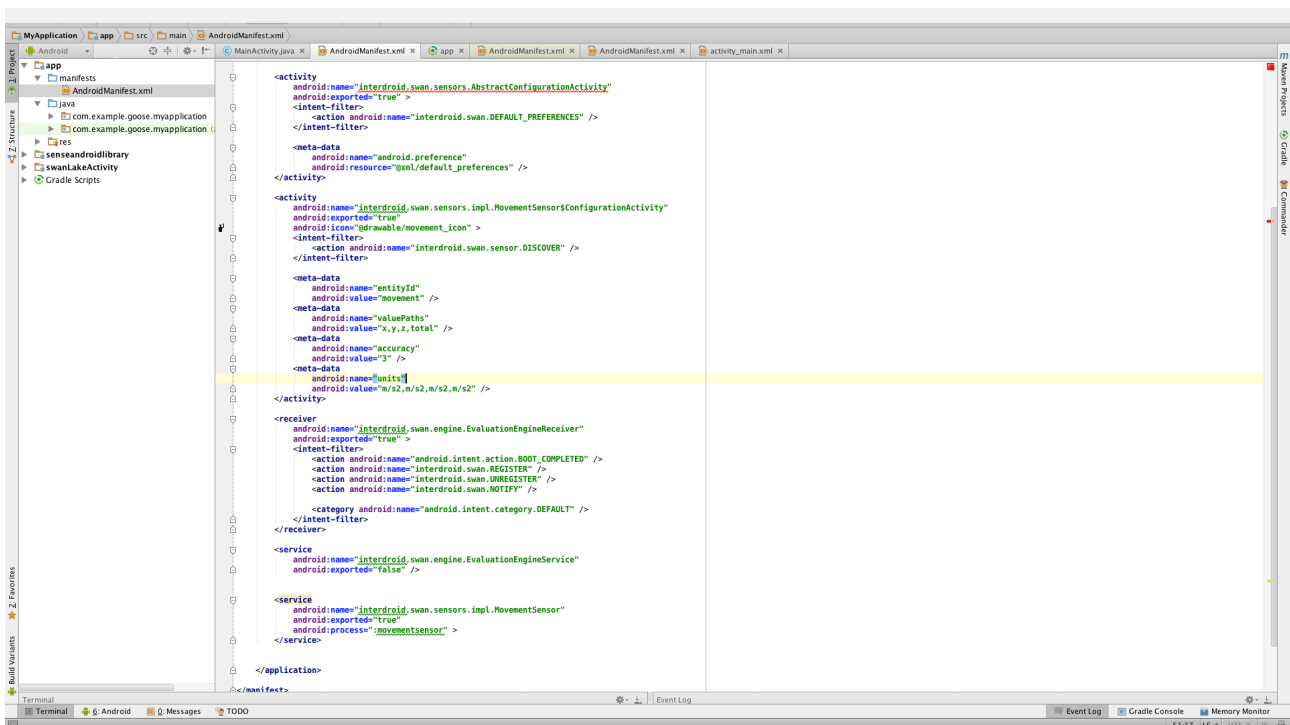
- Add SWAN to your dependencies in `build.gradle`



- Copy required contents from swanLakeActivity's AndroidManifest file to your app's AndroidManifest file



- Your app's modified AndroidManifest file will look like this.



- You can use classes from swanLakeActivity library project as it is.