Release Plan 1.0 -- Smart Solar Siting
Release Date: March 18, 2018

High level goals:
- To have an app that uses the camera and projects the solar path in real-time
- Perform analytics using data prestored in a database to calculate the solar availability
- Have a compass that states which direction you are facing
- Identifying obstructions that block solar availability
- Be able to extract data from the app into another file

User Stories:
Sprint 1 - setting up technology being used:
- (13) As a user, I want to be able to view the solar path of the sun using my phone.
- (8) As a user, I want to be able to use my camera to view the solar site
- (5) As a developer, I want to familiarize myself with Android Studios.
- (5) As a developer, I want to familiarize myself with the basics of solar availability level calculations, tutorials on object identification for obstructions, and how to parse through the database I'll be using.

Sprint 2 - identifying obstructions and connecting to database:
- As a user, I want to be able to identify obstructions that would project shadows at certain angles, such as trees, buildings, etc.
- As a developer, I want to be able to connect the database containing information on solar calculations to my app.

Sprint 3 - analytics and enabling data extraction
- As a user, I want to be able to perform analytics on the solar availability such as viewing the solar availability per day, per month, per year.
- As a user, I want to be able to extract the data to another place
- As a developer, I want to use the information in the database to perform analytics and export the calculations.

Product Backlog:
- Setup user friendly UI that shows the solar path of the sun using a phone's camera