Team Name: Smart Solar Siting
End Sprint: 02/11/18
Revision Number: 1
Revision Date: 01/27/18

Goal

Our goal for the first sprint is for the whole team to get familiar with the technologies we will be using, such as Android Studio, and with the data/equations/calculations we will be working with to carry out specific functions related to solar siting. In addition, we plan to start our Android app with the basic functionality of being able to view a solar site through the app, and also be able to view a live path of the sun on the site.

Task Listing

1. (5) As a developer, I want to familiarize myself with Android Studio.
    (A) Follow Google's Android Tutorial (5 - 6 hours)
2. (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.
    (A) Go to Kevin's presentation to learn how to use the solar siting device (1.5 hours)
3. (8) As a user, I want to be able to use my camera to view the solar site
    (A) Create activity that accesses the camera (1 hour)
    (B) Handle permissions within activity (1 hour)
4. (13) As a user, I want to be able to view the solar path of the sun using my phone.
    (A) Figure out equations for the position of the sun (1 - 2 hours)
    (B) Show cardinal directions on the camera (4 - 5 hours)
    (C.) Show the current position of the sun (4 - 5 hours)
    (D) Show the solar path on the camera (8 - 9 hours)

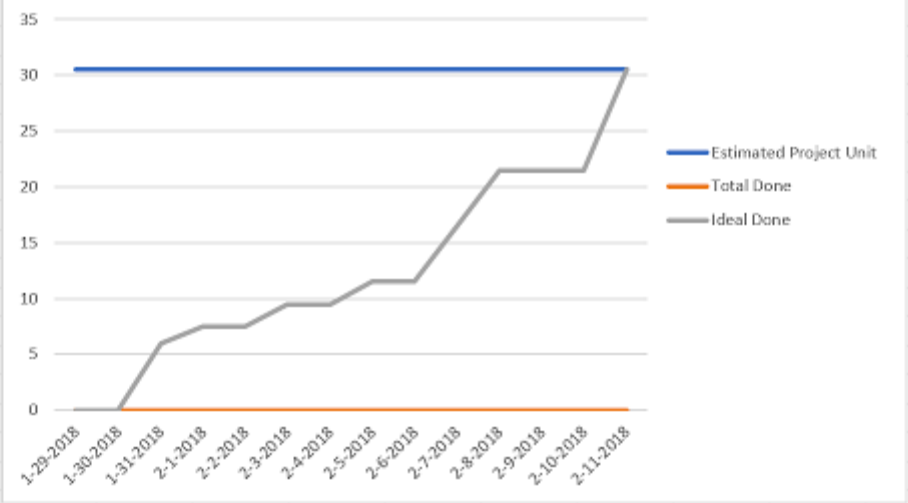
Team Roles

Mattheo - Developer
Andrew - Developer
Nicki - Developer/Scrum master
Chris - Developer/Product Owner
Sam - Developer

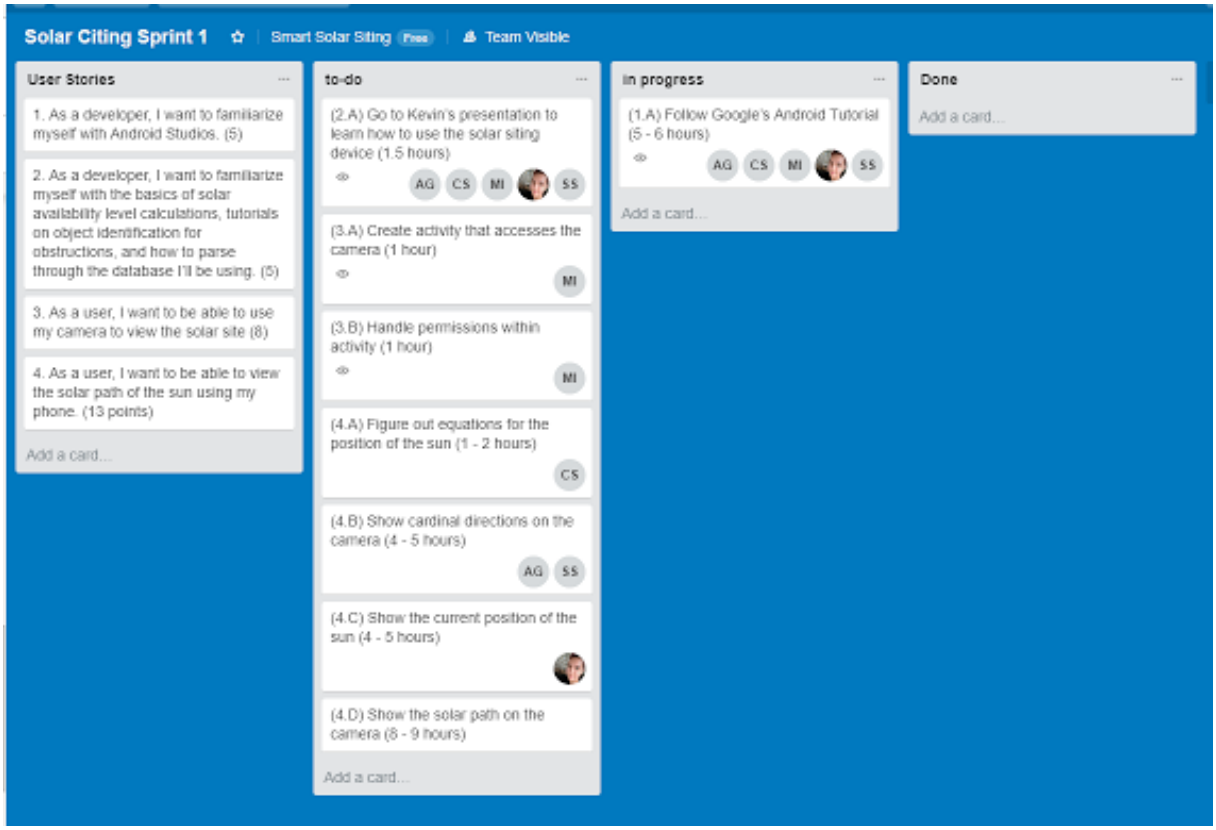
Initial Task Assignment

Mattheo - 1a, 2a, 4a, 3a, 3b, 4d
Andrew - 1a, 2a, 4a, 4b, 4d
Nicki - 1a, 2a, 4a, 4c, 4d
Chris - 1a, 2a, 4a, 4d
Sam - 1a, 2a, 4a, 4b, 4d

Initial Burnup Chart



Initial Scrum Board



Scrum Times

Tuesday 10:00 - 10:20 - Lecture theatre
Thursday 10:00 - 10:20 - Lecture theatre
Friday 13:00 - 13:20 - Baskin 316