Sprint 3 Plan
Product Name: Smart-Irrigation Frontend
Team Name: Smart-Irrigation Frontend
Sprint Completion Date: November 25th, 2015
Revision Number 1, November 8th, 2015

Goal:

The goal of this sprint is to use the API created by the backend team to pull the data generated from a MySQL database and represent the live data into a website. We will be using JavaScript, google charts, and Cascading Style Sheets (CSS) to display live data. Also, the main goal is to finish the working prototype and and complete the final website for the user.

Task listing, organized by user story:

1. [Total Points: 6] As a developer, I want to be able to use the API created from the backend team to pull data from database and use represent the data with a google chart.
    a. Lean the basics of Google Chart tools [Points: 1]
    b. Create some html templates using the Google Chart tools [Points: 1]
    c. Be able to pull live data from MySQL [Points: 3]
    d. Generate a summary window for history of the garden [Points: 1]
2. [Total Points: 10] As a developer, I want to be able to create a secure website were the user can access their garden.
    a. Learn about configuring the Spring Security Core on the grails-app [Points: 5]
    b. Develop a grails security system that secures the website using a Spring Security Core [Points: 5]
3. [Total Points: 8] As a developer, I want to be able to add a simple animation that will help in the design of the website. Also, I want to be able to style the website using Cascading Style Sheets (CSS).
    a. Create a simple animation using Processing [Points: 2]
    b. Learn about adding Processing code to the grails-app [Points: 2]
    c. Style the website using Cascading Style Sheets [Points: 4]

4. [Total Points: 7] As an administrator, I want to be able to be able to have access to the secure website and make necessary changes to modify the data represented on the website.
    a. Configure the Grails application with battle-hardened and proven Spring Security Core to have an administrator account [Points: 4]
    b. Learn about adding an administrator account (It should be different from a user account) [Points: 3]

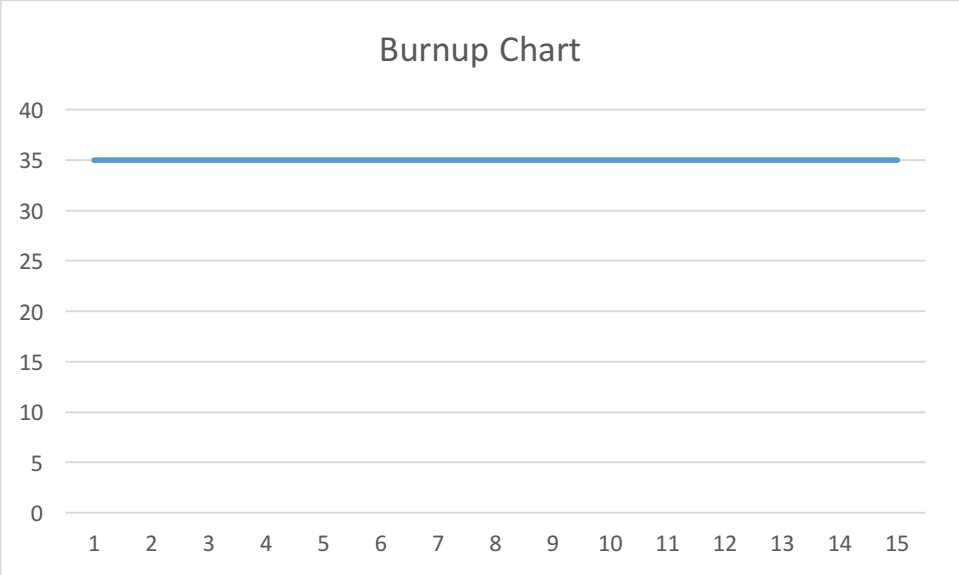
5. [Total Points: 4] As a user, I want to be able to see a graphic description that contains information about the temperature and moisture sensor readings. As a user, I also want to see a summary generated by the grails-app that should tell me when to water my garden again.
    a. Learn about the post_watering API method to add to the website and learn how to modify it. [Points: 2]

b. Summary of next watering window will tell the user when the water the garden again using [Points: 2]

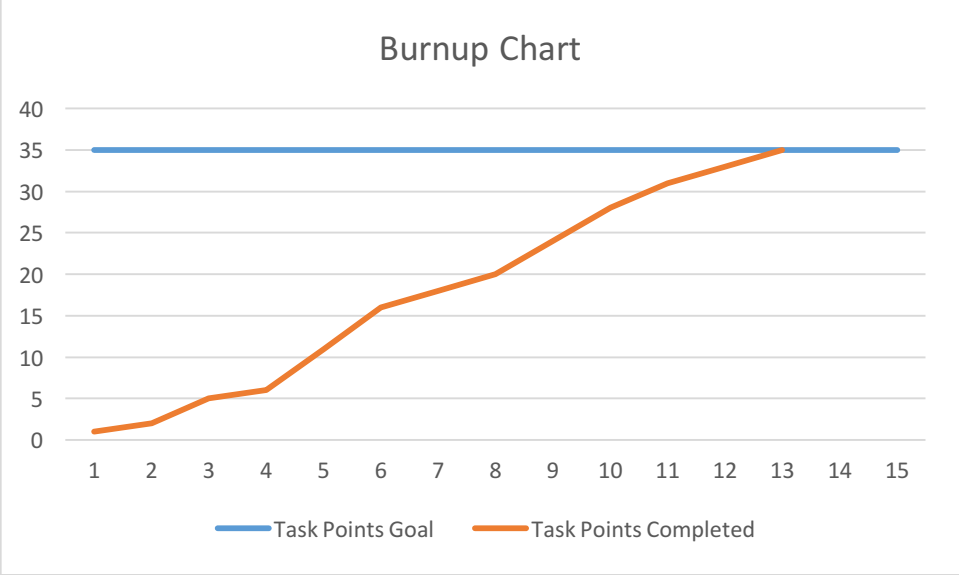
Team Roles:

Joshua Mora	: Product Owner, Developer
Jose L. Valencia	: Scrum Master, Developer
Brent Hickey	: Developer, QA
Ian Perrigo	: Developer, QA

Initial burnup chart:



Final burnup chart:



Initial scrum board:

Visible in Jack Baskin School of Engineering 316.

Scrum times:

Monday at 6:00 PM at the Jack Baskin School of Engineering 316.
Wednesday at 6:00 PM at the Jack Baskin School of Engineering 316.
Thursday at 5:30 PM at the Jack Baskin School of Engineering 316.