Sprint 1 Plan
Team & Product Name: Tiny House
Sprint Completion Date: October 16
Revision 5: October 19, 2015

Goal:
Research and become familiar with technologies used by prior tiny house team members. Also, mockup future dashboard and frontend used with sensor networks.

Task Listing:
User Story 1: "As a product owner, I want to establish the scope of our project to have a complete view of the hardware and software required for the implementation"
- Assigned to: Joseph Ou and Sargis Yonan
- Task 1 (3 hours each): Hold discussion with project leader at UCSC and IDEASS team and brainstorm realistic requirements of what metrics we want to detect.
- Task 2 (3 hours each): Brainstorm with the team and figure out the hardware required to perform measurements based on the metrics established.

User Story 2: "As a developer I want to research a basic web application skeleton."
- Assigned to: Shivam Dave
- Task 1 (2 hours): Understand programming languages used and use prior dashboard
- Task 2 (2 hours): Create basic mockup of web app
- Task 3 (4 hours): Research how to attain data from database using REST API with PHP/Python
- Task 4 (6 hours): Understand existing GreenWharf API dashboard developed from previous research done at UCSC

User Story 3: "As a developer I want to understand data being handled and software used to model data."
- Assigned to: Reza Barghi and Sean Ashe
- Task 1 (2 hours each): Research SQLAlchemy and Python 2.7 used to make up the object-relational mapper
- Task 2 (4 hours each): Research how object relational mapper will interact with the MySQL database
- Task 3 (4 hours each): Learn to access the data such as handling the objects and how they may be properly used and implemented into the front end interface
- Task 4 (4 hours each): Research REST API that uses PHP/Python to attain data

User Story 4: "As a developer I want to understand the existing hardware being used."
- Assigned to: Joseph Ou and Sargis Yonan
- Task 1 (4 hours each): Become familiar Arduino Mega2560, going to be using similar technologies to port past processing data to C/C++
- Task 2 (4 hours each): Become familiar with sensor technologies used and current infrastructure already implemented by previous researchers

Team Roles:
Joseph Ou - Designer/Product Owner, Hardware Designer
Shivam Dave - Scrum Master, Web/Frontend Lead
Majid Reza Barghi - Team Member, Database Researcher, Backend Researcher
Sargis Yonan - Team Member, Hardware Designer

Sean Ashe - Team Member, Database Lead

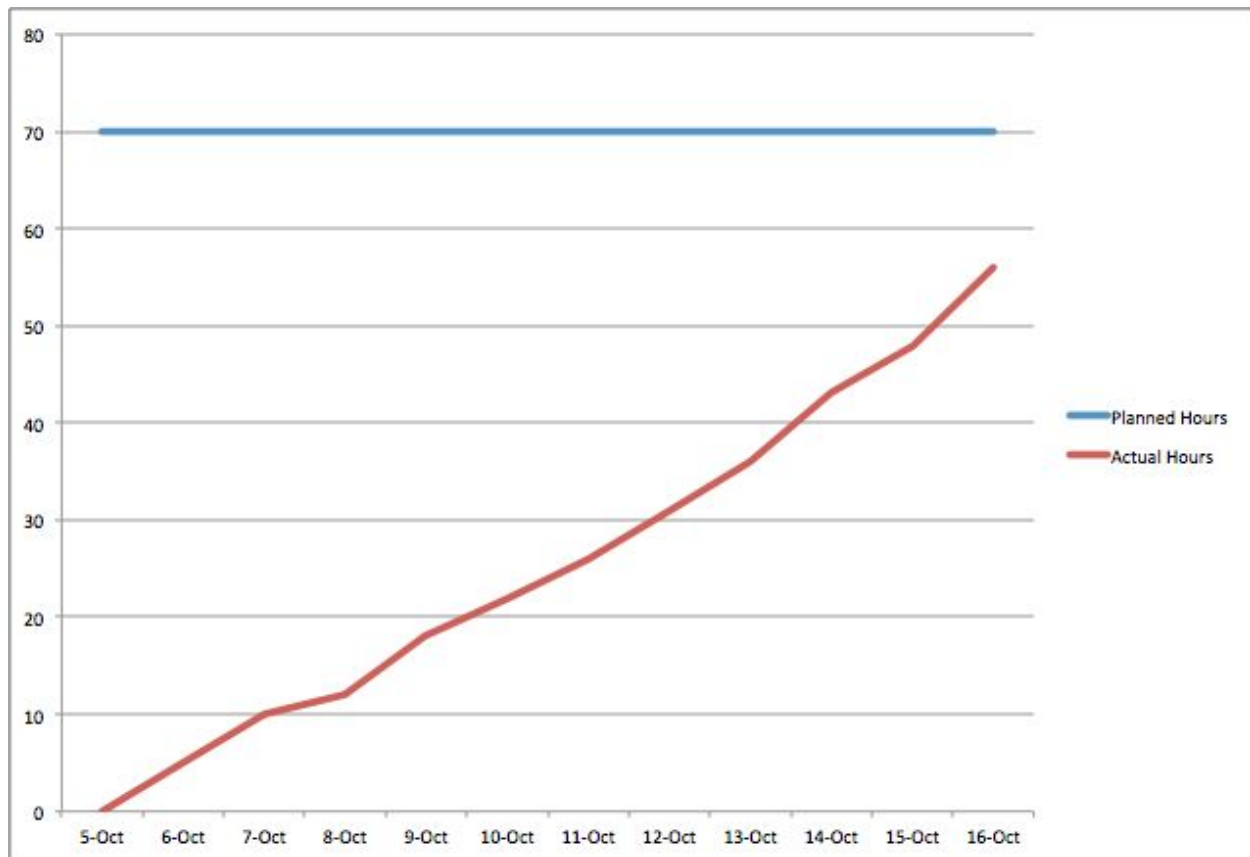**Initial task assignment:**
Joseph Ou - User Story 1, Task 1
Shivam Dave - User Story 2, Task 1
Majid Reza Barghi - User Story 3, Task 1
Sargis Yonan - User Story 4, Task 1
Sean Ashe - User Story 3, Task 1

Initial Burnup Chart: (Updated October 19, 2015)

Scrum Board: (Updated October 12, 2015)

User stories	Tasks not started	Tasks in progress	Tasks completed
User Story 1			Task 1, Task 2
User Story 2	Task 3 (Blocked),	Task 4	Task 1, Task 2
User Story 3		Task 4	Task 1, Task 2, Task 3
User Story 4		Task 1	

Scrum Meetings: (Starting Week of October 12)
Tuesday, October 13
Wednesday, October 14
Friday, October 16