

## **Sprint 3 Plan – CMPS 115 – Software Methodology**

### **SEAD Systems Team:**

Deekshita Chigullapally

Dominic Balassone

Michael Stirchak

Jesse Brennan

Ian Lofgren

Sprint End: 11/27

**Goal:** Get working visualizations with current data with authentication for login and be able to have individual appliances identified.

**User Story 1:** As a developer I want our data available to NILMTK.

Task List:

- Convert data to HDF5 format for NILMTK (13 pts)

**User Story 2:** As a developer I would like to query Django backend for device data for visualization

Task List:

- Total generation for a given period of time (2 pts)
- Daily generation over a given time period (3 pts)
- Daily consumption over a given time period (2 pts)
- All data for generation over a given time period with available resolution (8 pts)
- All data for generation over a given time period with variable resolution (3 pts)

**User Story 3:** As a user I want to visualize overall power consumption (unit time)

Task List:

- Have the time series data with granularity of overall power consumption over time (5 pts)

**User Story 4:** As a developer I want to fix the register screen.

Task List:

- Register screen crashes when registering a device ID that already exists. Fix the problem by sending out notification. (3 pts)

**User Story 5:** As a user I want my energy consumption available “on the go” (mobile integration)

Task List:

- Find best solution for mobile integration (2 pts)
- Understand current authentication situation (3 pts)
- Make sure authentication works with Alex’s mobile app (1 pt)

**User Story 6:** As a developer I want to use D3 to visualize device usage data (Front end development)

Task List:

- Make bar graph for daily use and generation (3 pts)
- Update the developed visualization app to work with db.sead.systems server (5 pts)

**Team Roles:**

Deekshita Chigullapally: Developer

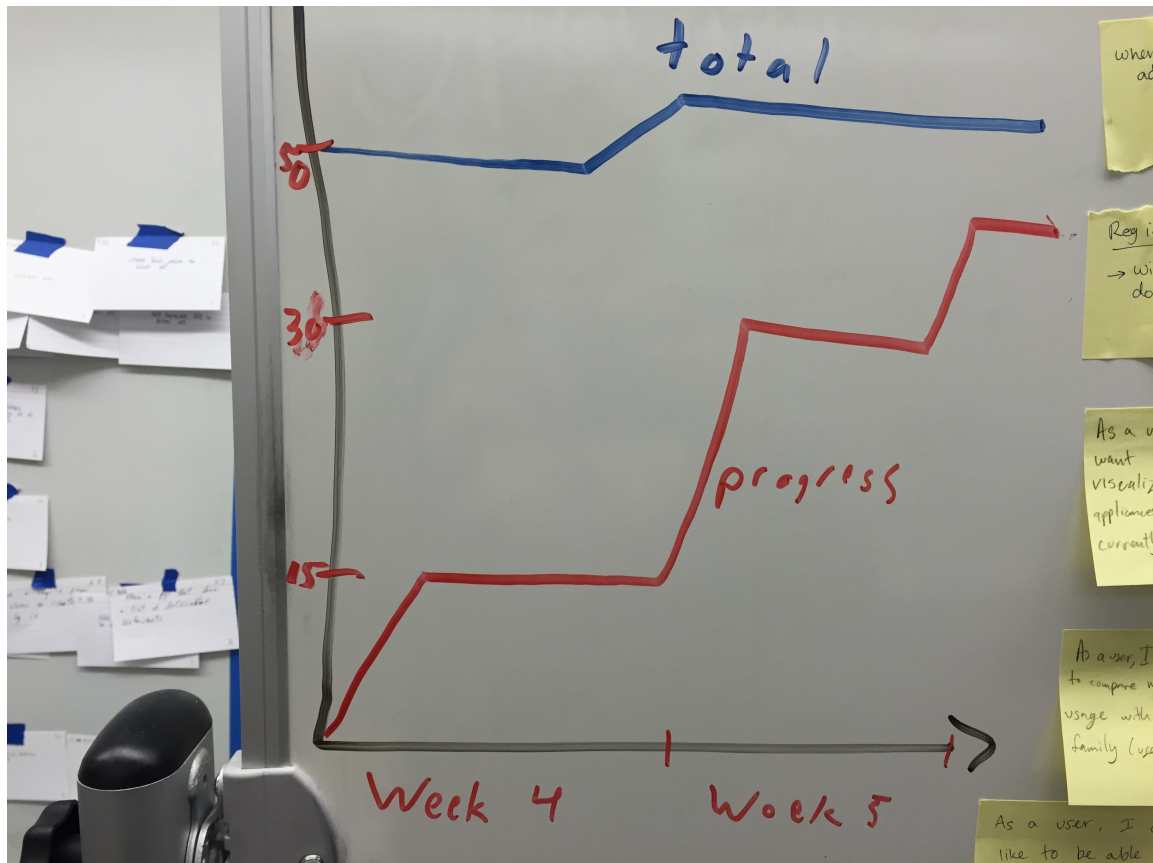
Dominic Balassone: Developer

Michael Stirchak: Product Owner

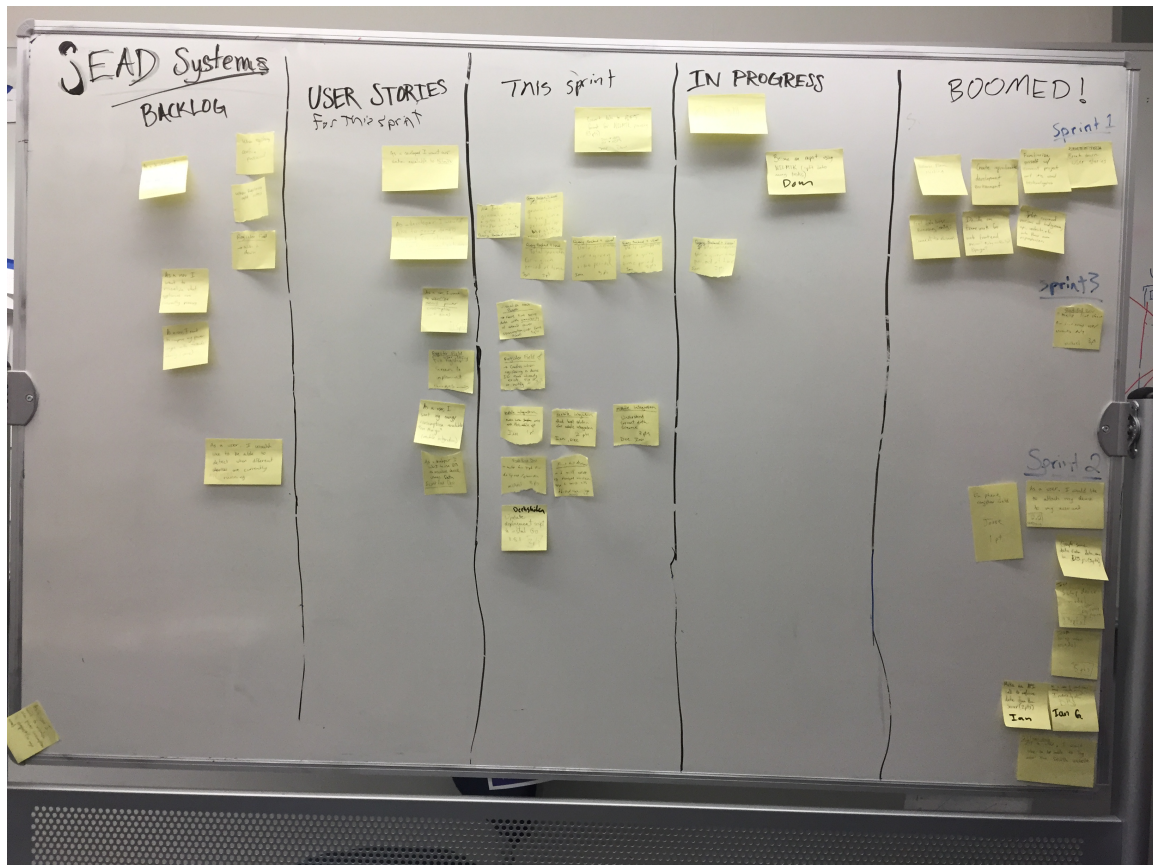
Jesse Brennan: Scrum Master

Ian Lofgren: Developer

**Initial Burn-up Chart**



## Initial Scrum Board:



## Scrum Times:

Monday @ 4 pm

Wednesday @ 7 pm

Thursday @ 5:30 pm