Sprint 3 Plan
Sustainability
Team Sustainers
Sprint End 3/10/15
Revision 1, 2/20/15

Goal: Complete fully functional parts for the visualization, data integration, and BACnet

Task Listing Organized By User Story

User Story 1: As a user, I want a working, visually appealing interface that grabs audience attention and incites the need to conserve energy.

- Task 1: Create a document outlining the design of the website (2 hours)
- Task 2: Code the general website layout (3 hours)
- Task 3: Code the energy visualization aspect (8 hours)
- Task 4: Connect the data to the visualization (5 hours)

User Story 2: As a back end developer, I want the backend data to be complete so that I can present the data and stream it to the interface.

- Task 1: Determine what software is compatible to work with BACnet, learn more about BACnet protocol and building devices
- Task 2: Write a program that enables data streaming from the building sensors to a useable form for the database/visualization

User Story 3: As a back end developer, I want sufficient data and analysis so that I can develop a data structure for the front end.

- Task 4:Create a functional program that stores the data received from building devices into a MySQL (currently working with Derby) data base so the website/visualization can use.
- Task 5: Ensure the connection between the data base and the website is working.

User Story 4: As a user, I want the user interface to be aesthetically pleasing so that all may be enticed by it.

- Task 1: Research graphic design stuff to learn more about what makes an interface aesthetically appealing
- Task 2: Apply the research

User Story 5: As a team, we want to test our product to ensure that the customer is happy

- Task 1: Test the finished product on different browsers.

Team Roles

Howard Tjong: Interface Designer, Product Master
Garrett Weng: Bacnet Developer
Ashley Stallcop: Interface Designer
Lucas Rencoret: Data Integration
Tyler Schulenberg: Bacnet Developer

Initial Task Assignment

Howard Tjong: User Story 1, build the energy usage website layout
Garrett Weng: User Story 2, Write a program which streams data for the database
Ashley Stallcop: User Story 1, build the energy usage website layout
Lucas Rencoret: User Story 3, design and build the data integration process
Tyler Schulenberg: User Story 2,

Initial Burnup Chart

A graph giving the initial burnup chart for this sprint and is labeled as such with sprint number and project name and is located in the lab.

Initial Scrum Board

Also known as a task board, the scrum board is a physical board and labeled as such with sprint number and project name and located in the lab. This board has four columns, titled user stories, tasks not started, tasks in progress, and tasks completed. Index cards or post-it notes representing the user stories and the tasks for this sprint should be placed in the user stories, tasks not started, and tasks in progress columns. Tasks associated with a user story should be placed in the same row as the user story.

Scrum times

M/W/F @ 5:00 PM in BE 316
TA Meeting: TBD