

Sprint 3 Plan

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Product: Tiny House

Team: Sensor Network Team

Release: Sensor Network Completion

Release Date: 11/15/2015

Revision #1

Revision Date: 11/23/2015

Goals:

1. Have the sensors push data to the database so the front end dashboard can call data from the database.
2. Implement dummy data into the database.

Task List(by user story):

User Story 1: “As a user, I want an improved web application dashboard that shows sample or actual data of particular dates”

Tasks:

1. Create “Sub” endpoints in j8 (1 hour)
2. Create php to implement basic web server (3 hours)
3. decide php endpoints (1 hour)
4. Create Link between web application and database (3 hours)
5. Clean up front end (3 hours)
6. fix type bug (2 hour)
7. margin between charts/put data type picture (1 hour)

Total: 14 hours

User Story 2: “As a user, I want to wirelessly access raw data so that I can access it remotely”

Tasks:

1. Wire Xbees to VSART on 2 Ardrino boards and get boards communicating (2 hours)(10 hours)
2. Figure out Memory Mapped IO for embedded (2)

Total: 12 hours

User Story 3:”As a user, I would like the data collected from my appliances to be stored into a database so that data may be looked up processed data by date ”

Tasks:

1. Implement equations (1 hour)
2. Code a method of parsing data from the database (4 hours)
3. Implement a system of feeding the modeled data to the web application (2 hours)

Total: 7 hours

Team Roles:

- Joseph Ou: Product Owner, Hardware Developer
- Sean Ashe: Scrum Master, Backend Developer, Frontend Developer
- Sargis Yonan: Hardware Developer
- Shivam Dave: Frontend Developer, Backend Developer
- Reza Barghi: Backend Developer, Frontend Developer

Initial Task Assignment:

- Joseph: User Story 2, Task 1 & 2
- Sean: User Story 3, All Tasks
- Sargis: User Story 2, Task 1 & 2
- Shivam: User Story 1, All Tasks
- Reza: User Story 3, All Tasks

Burnup Chart: In Baskin 316

Scrum Board: In Baskin 316

Scrum Meeting Times:

Tuesday, November 17

Thursday: November 19

Tuesday: November 24

Tuesday: November 26