Binnacle

Sprint Plan #2
February 3 2019

High Level Goals

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Standardize the sensor data into a reusable interface that can be implemented in the application UI.

Sprint 2

1. As a user, I want to know my boat's speed so that I know how fast I'm going. **(8)**
    a. Create a speed widget **(3)** *(Donovan Rost)*
    b. Retrieve speed from data interface **(3)***(Nick)*
    c. Calculate speed which will be fed into the data interface (Can't be started until user story 3 is done) **(2)**
2. As a developer, I want a testbed for repeated simulation of the algorithm so that I can easily compare results and runtimes for different parameters. **(14)**
    a. Research and select a data visualization library python **(3)** *(Daniel Richards)*
    b. Set up flask server **(3)**
    c. Generate dummy data for the simulation **(3)**
    d. Create a way to select different algorithms **(2)**
    e. Have a way to collate and compare the results of these algorithms **(3)**

3. As a developer, I want a standard interface so that I can maintain consistency between the external sensor package and the mobile phone sensors **(10)**
    a. Define an abstract class that encapsulates the values each component needs (defined in the component mockups)**(5)** (Will Walker)
    b. Implement the interface for the mobile phone sensors **(5)***(Casey Hillers)*

Roles

Scrum Master: Donovan Rost
Product Owner: Daniel Richards
Developers: William Walker, Nicholas Kalscheuer, Casey Hillers

Initial Task Assignments

- **Donovan**
    - 1a
- **Daniel**
    - 2a
- **Casey**

    - 3b
- **Nick**
    - 1b
- **Will**
    - 3a