Title: TempTor: Temperature Monitoring System

Vision: To provide the easiest way to monitor temperatures in commercial equipment and display them in a user-friendly format.

Who: Erin Boeger, Sutton Cowperthwaite, Travis Dowdy, Maryjane Clark

List of Requirements:

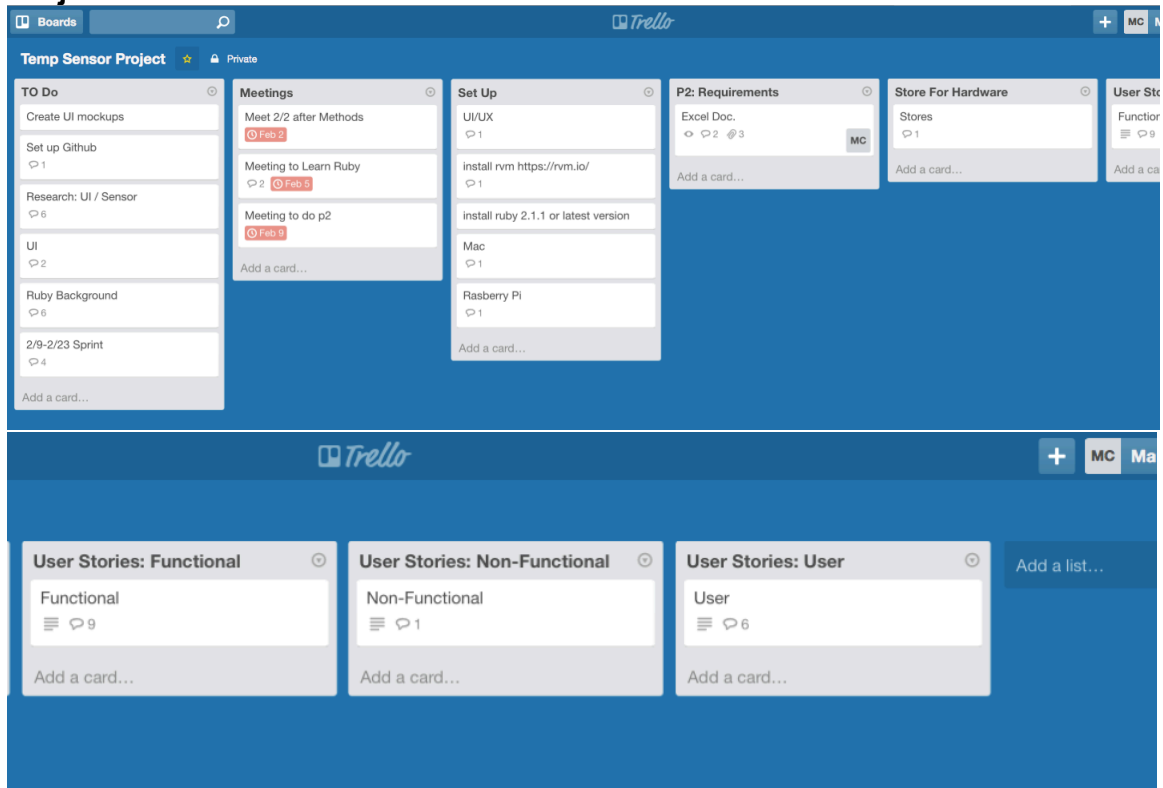| Req. ID	Requirements Description	Topic	Size	Priority
UR.01	As a user, I want to be able to go to a website to view reports of the temperature data so that I can see if my appliances are working properly	Reports	8	High
UR.02	As a user, I want to be able to get email alerts so that I know if the temperature goes out of a set range.	Alerts	5	Low
UR.03	As a user, I want to be able to add/remove sensors, so that I can manage all my appliances if I expand or contract my business.	Customization	3	High
UR.04	As a user, I want to be able to adjust the sensor time frequency readings so that the sensor is reporting properly for each appliance.	Customization	5	Medium
UR.05	As a user, I want to be able to adjust the sensor data precision so that the sensor is reporting properly for each appliance.	Customization	2	Medium
UR.06	As a user I want to receive an email if my sensor stops working so that I can repair or replace it.	Alerts	5	Medium
FR.01	As an admin, I want the temperature sensors to send data to the server so that any users can access the temperature data.	Networking	5	High
FR.02	As an admin, I want the server to be able to read in data from different probes and multiple data sets from the same probe all at the same time so that I can have one server for many probes.	Hardware	3	Medium
FR.03	As an buyer of this product, I want the temperature sensors to be able to read very low temperatures (-18 °C) and high temperatures (150 °C) so that our product can be used in a	Hardware	2	High
FR.04	As a user, I want the temperature sensors to connect to a set up wireless network so that they can send data over the network to a designated ip with a put request.	Networking	8	High
FR.05	As an admin, I want the server to be able to receive a put request with the sensor data so that the system can read in the tempertures.	Networking	5	High
FR.06	As an admin, I want the server to place the data from a put request into a database so that we have a database of all our data.	Database	3	High
FR.07	As an admin, I want the server to display database temperatures in a web page so our users can have a user friendly UI for the system	Database	2	High
FR.08	As an admin, I want the server to display data as simple graph over time so the users have an easier way to see the data.	Reports	3	Medium
FR.09	As an admin, I want to be able to set the time intervals between readings so that I can customize the amount of data points.	Customization	5	Low
NFR.01	As an admin, I want all email alerts to take no longer than two minutes to reach the recipient so that the system can be quickly changed if needed.	Alerts	5	Low

Methodology: Agile

Project Tracking Software: Trello

Link to Project Tracking Software:
https://trello.com/b/kiPjTt5m/temp-sensor-project

Project Plan:

Link to Version Control Software:

https://github.com/SullysMustyRuby/TempTor_server
https://github.com/SullysMustyRuby/TempTor_sensors