

Temperature Sensor

Andrea Chamorro, Matt Cohen, Yu-Shen Chang, Kai Johnson, Lucas Laughlin

Project Tracker: Asana

Link: <https://app.asana.com/0/856551544105311/list>

The screenshot displays the Asana project tracker interface for a project titled 'Temperature Sensor'. The left sidebar shows a list of tasks with their due dates and completion status. The main area shows a detailed view of the project, including a timeline and a list of tasks.

Task	Due Date	Status
Conduct product testing after interface is done	Oct 28	Completed
Hardware design and unit testing	Oct 31	In Progress
Assemble circuit design	Oct 19	Completed
Verify all functionality of hardware through unit testing and debugging	Oct 31	In Progress
Create the layout of web app	Oct 19	Completed
Program microcontroller	Oct 19	In Progress
Interface microcontroller with circuit board	Oct 19	In Progress
Establish Connection between Bluetooth and computer	Oct 28	In Progress
Software and Hardware Interface	Oct 28	In Progress
Test UART Data Transmission	Oct 28	In Progress
Store Collected Temp in Excel from Arduino/RPi	Oct 28	In Progress
Take Stored Data and add to webpage	Oct 28	In Progress
Test Display of collected data in form of map	Oct 28	In Progress
Create Data Model using MySQL Workbase	Nov 6	In Progress
Download PostgreSQL	Today	In Progress
Weekly Meeting	Today	In Progress
Submit Milestone 2	Sunday	In Progress
Submit Milestone 3	Oct 28	In Progress
Submit Milestone 4	Nov 6	In Progress

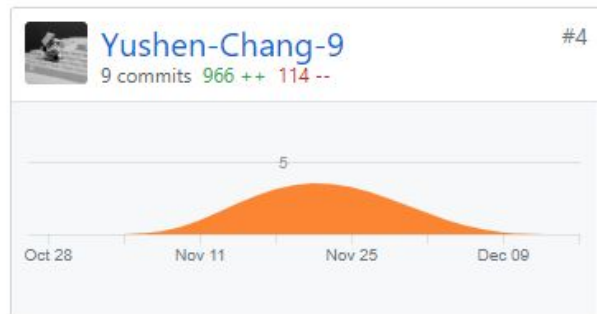
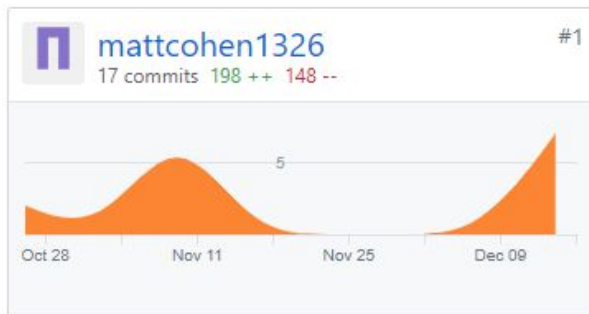
[Add optional video: Time limit doesn't matter]

VCS: Github

- Milestones: <https://github.com/kaiasian/Milestones>
 - Milestone 5 in the Milestones repository contains test cases and test plans.
- Project: <https://github.com/Natty-Laugh/final-project.git>
 - Source code

Contributions from Github:

Contributions to master, excluding merge commits



Note: Often times big changes to code and commits were made through one account during meetings, so accumulated on certain individuals. Amount of lines changed are also noteworthy.

Deployment:

- The web application is deployed on the Apache server via Raspberry Pi 3 B+.
 - The Raspberry Pi 3 B+ hosts the Apache server which runs locally on the Wi-Fi network that it is connected to.
 - The following link can be used to access the web application:
 - <http://10.201.64.35/cgi-bin/webgui2.py>
 - Note: web application is only accessible through this link if the host, Raspberry Pi 3 B+ is connected to UCB Wireless. Otherwise, it is not accessible.



Raspberry Pi Temperature Logger

Show the temperature logs for

Temperature Chart

