

Sprint 2 Report

Product Name: Arduino Micro-Controller for EVs

Team Name: Dream Team

Date: 11/12/14

Actions to stop doing:

We may want to stop meeting three days in a row if possible. One of the ideas of a Scrum meeting is to talk about what was done since the last meeting. Sometimes we may have to say that we could not do anything since the last meeting because the day that we meet before may be filled with a lot of other conflicts.

Actions to start doing:

We may want to meet every other day at the same times if possible. That way, we get more time to actually do more tasks before the next meeting. Two days to look into work would be better than just one day.

Actions to keep doing:

We have a Google hangout that we use in order to maintain proper communication and make sure that all of us meet at the correct time and do our tasks correctly. Now that we have received some code, we have assigned ourselves various tasks with regards to the various modules of the code. We are in the process of finishing up a design document that carefully details the code and its various segments. The most important thing to keep doing is to do our parts successfully.

Work completed/not completed:

We have seen the source code and its many versions, so we have developed some user stories based on what we have seen. We have also seen the Dagne car, so we will develop at least one user story on that point.

- (3) User story 1: As a future developer, I want to analyze a design document that covers what the existing microcontroller does.
- (5) User story 2: As a developer I want to read a pin diagram that that describes the system's inputs and outputs so that I can connect our controller to the vehicle.
- (8) User story 3: As a developer I want a simulator that can cover both input and output. This is dependent on User story 2.
- (2) User story 4: As a developer I want to read a design document that details the design of our new Arduino code. This user story is dependent on User story 1.

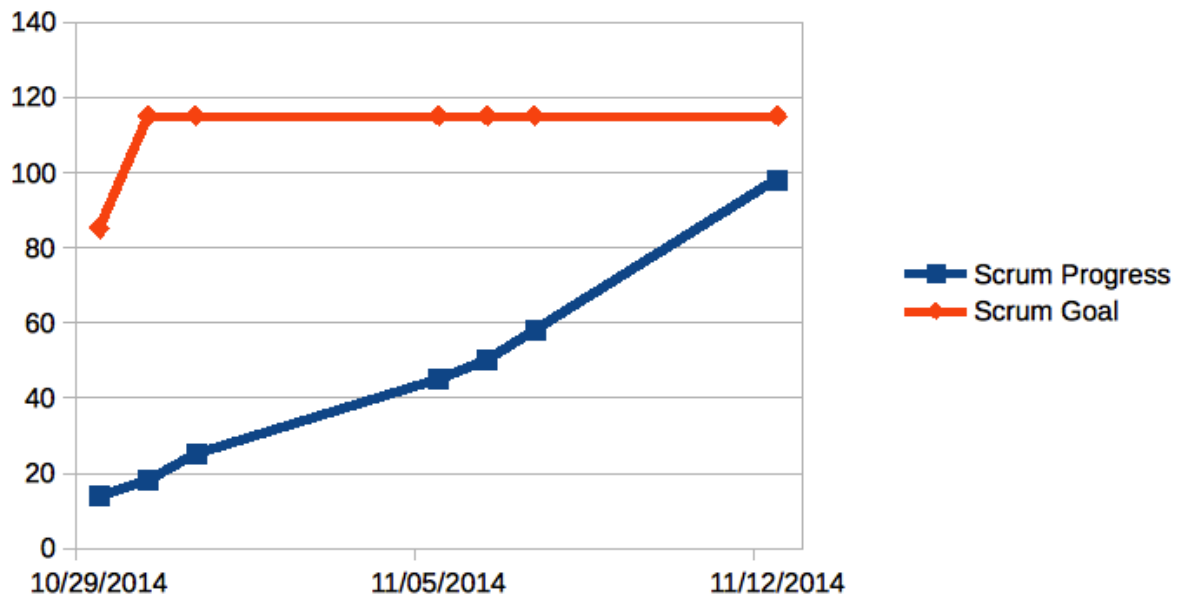
We have pretty much completed the design document, and we can read it. All it needs is a good proof reading. As for the pin diagram, I think we need to get the actual hardware to figure out what to connect to the car itself first.

Work completion rate:

In this sprint, we completed User Stories 1-3, but we weren't able to get to story 4. We got a good start on the Arduino code, but we haven't completed enough to be able to start on the Arduino design document.

The Burn Up Chart for this sprint can be seen below. The red line represents the "total" (scrum goal), and the blue line is the amount completed (scrum progress). The amount completed was very roughly estimated based on the amount of actual work that was reported to be finished at the point of each meeting, as recorded by the Scrum Master.

Note that we meet on Wednesday, Thursday, and Friday. On Thursday, October 30th we completely rewrote our user stories, resulting in the spike in the "Scrum Goal." As you can see, we didn't quite meet our goal, since the Arduino design document was not completed, but we made significant progress towards its completion.



Total hours worked: 98

Average daily hours: 6.5

Total ideal hours: 115

Average daily ideal hours: 7.7