

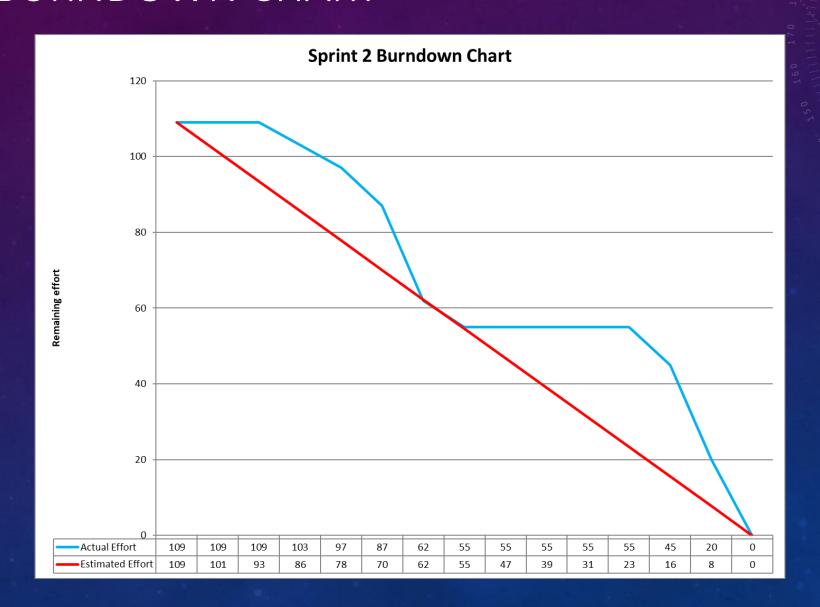
SPRINT GOAL

The goal of Sprint #2 was to become more familiar with programming in the Unreal Engine and to determine what types of motors/actuators to use for the wheels and tilt table.

PRODUCT BACKLOG ITEMS

Backlog Item	Estimate	Actual	
Practice with Unreal Engine	60	30	
Research Wheel Motor Options	12	6	0
Research Tilt Table Actuator Options	12	6	
Create Systems Requirements Specification	25	25	
Total	Hours: 109	67	

SPRINT BURNDOWN CHART



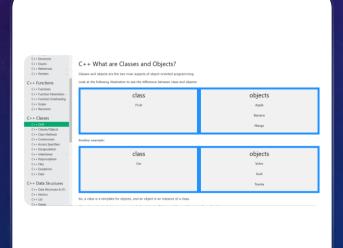
WHAT DID WE DO?

- Team meetings occurred on Fridays
- Practiced with Arduino
- Practiced Unreal Engine
- Researched hardware options
- Worked on Documentation (SRS)









DEMO

- Plan to use Linear Actuators and Brushless DC Motors
- Completed Basics of C++ and will now plan to dive deeper by learning Classes and Data structure
- Finished Learning Basic UI
 Section of Unreal Engine.



SPRINT BACKLOG: PRACTICE WITH UNREAL ENGINE

Backlog Item: Practice with Unreal Engine	Estimate	Actual
Make a list of resources from which to learn	6	3
Create and debug a basic project to get used to the environment	18	9
Improve and debug the initial project by filling out specs and scaling data	18	9
Apply concepts which will be used in the final SD1 project	18	9
Total Hours	60	30

SPRINT BACKLOG: RESEARCH WHEEL MOTOR OPTIONS

Backlog Item: Research Wheel Motor Options	Estimate	Actual
Research Budget Options	3	2
Research Performance Options	4	2
Research Durable Options	3	1
Compile data and decide on top 1 or maximum 2 contenders	2	1
Total Hours	12	12

SPRINT BACKLOG: RESEARCH TILT TABLE ACTUATOR OPTIONS

Backlog Item: Research Tilt Table Actuator Options	Estimate	Actual
Research Budget Options	3	2
Research Performance Options	4	2
Research Durable Options	3	1
Compile data and decide on top 1 or max 2 contenders	2	1
Total Hours	12	12

SPRINT BACKLOG: CREATE SYSTEM REQUIREMENTS SPECIFICATION

Backlog Item: Create System Requirements Specification	Estimate	Actual
Consider Hardware requirements	11	7
Consider Software findings and requirements	11	6
Formatting and Documentation	3	12
Total Hours	25	25