Amazon - IR Blaster

CSE 115C, Spring 2020
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Sprint 7 Plan

Amazon - IR Blaster, (5/18/20 - 5/29/20)

Goal:

- Complete Save certain IR frequencies through using Alexa
- Test and refine Alexa dialogue to accept brand and model slots

Task listing, organized by user story:

Sprint 7 (Total Points: 110):

User Story #12 [Overflow]: (21 points): As a user, I want Alexa to look for existing configurations for my remote so that I don't have to manually record the remote actions myself.
Tasks: [Initial Assignments: Nixon, Nikhil and Peter]
- (14 Points): Implement method to query LIRC database.
- (7 Points): Update interaction model to accept brand and model number of device.

User Story #13 [BONUS]: (55 Points): As a user, I want to be able to set up a Wi-Fi network on my Alexa enabled device completely through voice.
Tasks: [Initial Assignments: Nixon, Nikhil and Peter]
- (25 Points): Implement interaction model for required WiFi slots
- (30 Points): Implement server side logic to connect to WiFi

User Story #14 [BONUS]: (34 points): As a user, I want to be able to use multiple hardware boards across my house and interact with all of them using a central Alexa device.
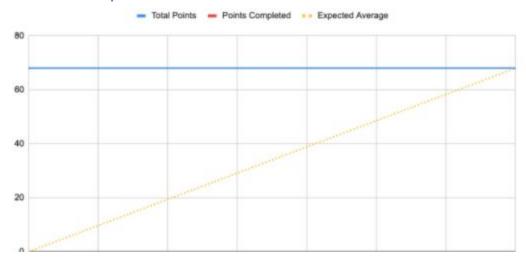**Tasks: [Initial Assignments: Nixon, Nikhil and Peter]**
- (34 Points): Implement server endpoint for server to server communication.

Team Roles:

Nixon Duong - Product Owner, Developer
Nikhil Punathil - Scrum Master, Developer
Peter Eskraus - Developer

Initial Burnup Chart:

Initial SCRUM Board:

User Stories	In Progress	Review/ Test	Done
User Story #12: (21 points): As a user, I want Alexa to look for existing configurations for my remote so that I don't have to manually record the remote actions myself.	+ Add a card	+ Add a card	User Story #2 (34 points): As a developer, I want to be able to build a basic Alexa Skill to test the communication between the Raspberry Pi hardware and the Alexa cloud.
+ Add another card			(5 Points): Implement the code needed to recognize LIRC key code.
			ND
			(5 Points): Implement Alexa Use Intent
			ND
			(5 Points): fix endSession() error.
			ND
			User Story #5: (21 points): As a user, I want to be able to ask Alexa to go into training mode and set the hardware to read mode to receive IR signals.
			(4 Points): Run LIRC on the
			+ Add another card