Release Plan

Accessibility Modular Adapter by **UCSC Alexa-Enabled Accessibility Team 1**

Release: 1.0.0 on **June 10, 2020**

Github: github.com/acheewakarn/alexa-enabled-accessibility

Revision: #3 on March 31, 2020

Personnel

Team Members

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High Level Goals:

- We want to set up a product that can act as an abstract device between a product's switch interface and client's Alexa voice interaction.
- We want to scale up our prototype to be used in more complex devices such as a motorized table.

Selected Products

Product	Link
Baby Einstein Take Along Tunes Musical Switch Toy	https://tinyurl.com/s5cb68o
Switch Adapted Fan	https://tinyurl.com/tle9ex7
Electric Adjustable Standing Desk	https://tinyurl.com/v72wv2l

Additional products can be found in the Product Backlogs section below.

User Stories

Priority Level	Story Points	User Story
-	~~3~~	Sprint 1 (Start: 02/18/20, End: 03/01/20)
~~5~~	~~3~~	~~As a user, I want to set up wi-fi using voice to ease up the setup process of my retrofitted products.~~
-	13	Sprint 2 (Start: 03/02/20 End: 03/15/20)
5	8	As a user, I want to set up a mock device with an AVS integrated RPi so I can control it via voice commands.
5	5	As a user, I want to be able to adjust the mode of my Alexa-Enabled Mock Device using voice commands, so I can control its connected device.
-	21	Sprint 3 (Start: 03/16/20, End: 04/5/20)
3	13	As a user, I want to be able to toggle my Adapted Musical Toy on/off using voice commands so I can control it despite my disability.
2	8	As a user, I want to be able to switch modes on my Alexa-Enabled Musical Toy so I can change the music using voice commands.
-	13	Sprint 4 (Start: 04/06/20, End: 04/26/20)
5	13	As a user, I want to set up my motorized desk with an AVS integrated RPi, so I can control it with voice commands.
-	18	Sprint 5 (Start: 04/27/20, End: 05/10/20)
3	13	As a user, I want to be able to raise my motorized desk using voice commands such as "raise by 2 inches", so I can adjust the desk to an optimal level.
4	5	As a user, I want to be able to lower my motorized desk using voice commands such as "lower by 2 inches", so I can adjust the desk to an optimal level.
-	13	Sprint 6 (Start: 05/11/20, End: 05/24/20)
1	8	As a user, I want to set my desk to a specific preset height by saying "raise/lower my desk to mode x" to Alexa, so I can use the memory feature.
2	5	As a user, I want to set up my Adapted Fan to an AVS integrated RPi, so I can operate it with voice commands.
-	10+	Sprint 7 (Start: 05/25/20, End: 06/07/20)
		As a user, I want to be able to toggle my Alexa-Enabled Adapted Fan on/off using

Priority Level	Story Points	
2 Priority Level 2	5 Story Points 5	voice commands, so it is more accessible. **User Story** As a user, I want to adjust the level of my Alexa-Enabled Fan using voice commands, so I adjust it to a desired fan speed.
?	?	Backlog
-	Total Points: 93+	Story Count: 13

Product Backlog

Product	Link
Adaptive Nerf Dart Gun	https://tinyurl.com/vvento6
Speaker	TBD
Space Heater	https://tinyurl.com/s2yn35w
Adaptive Lava Lamp	https://tinyurl.com/vfttzgk