

# Release Plan

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

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

**Github:** [github.com/acheewakarn/alex-enabled-accessibility](https://github.com/acheewakarn/alex-enabled-accessibility)

**Revision:** #2 on March 06, 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	<a href="https://tinyurl.com/s5cb68o">https://tinyurl.com/s5cb68o</a>
Buzz Lightyear Walking Switch Adapted	<a href="https://tinyurl.com/uyrqgsc">https://tinyurl.com/uyrqgsc</a>
Switch Adapted Fan	<a href="https://tinyurl.com/tle9ex7">https://tinyurl.com/tle9ex7</a>
Electric Adjustable Standing Desk	<a href="https://tinyurl.com/v72wv2l">https://tinyurl.com/v72wv2l</a>

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

## User Stories

Priority Level	Story Points	User Story
-	3	<b>Sprint 1 (Start: 02/18/20, End: 03/01/20)</b>
5	3	<del>As a user, I want to set up wi-fi using voice to ease up the setup process of my retrofitted products.</del>
-	21	<b>Sprint 2 (Start: 03/02/20 End: 03/15/20)</b>
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.
5	8	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	<b>Sprint 3 (Start: 03/16/20, End: 04/5/20)</b>
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	<b>Sprint 4 (Start: 04/06/20, End: 04/26/20)</b>
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.
4	5	As a user, I want to set up my Adapted Musical Toy with an Alexa Home Skills integrated RPi, so my toy can be controlled with voice commands.
-	21	<b>Sprint 5 (Start: 04/27/20, End: 05/10/20)</b>
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.
-	15	<b>Sprint 6 (Start: 05/11/20, End: 05/24/20)</b>
2	5	As a user, I want to set up my Buzz Lightyear toy to an AVS integrated Pi, so my toy can be operated using with voice commands.
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.
2	5	As a user, I want to be able to toggle my Alexa-Enabled Adapted Fan on/off using voice commands, so it is more accessible.
-	5+	<b>Sprint 7 (Start: 05/25/20, End: 06/07/20)</b>
2	5	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
-	<b>Total Points: 93+</b>	<b>Story Count: 13</b>

## Product Backlog

Product	Link
Adaptive Nerf Dart Gun	<a href="https://tinyurl.com/vvento6">https://tinyurl.com/vvento6</a>
Speaker	TBD
Space Heater	<a href="https://tinyurl.com/s2yn35w">https://tinyurl.com/s2yn35w</a>
Adaptive Lava Lamp	<a href="https://tinyurl.com/vfttzgk">https://tinyurl.com/vfttzgk</a>