



Sound Solutions

Sprint 1

Blake Morrell - Scrum Leader
Charlie Carr - Product Owner
Josh High - Product Developer
Chris Benjamin - Product Developer
Warren Bower - Product Tester
Abdullah Alotibi - Product Tester

Product: “The Sound-Screen”



Purpose of Product Prototype

- The “The Sound-Screen’s” main function is to communicate level of sound intensity by a easy to understand visible LED pattern.
- A side function is to make these patterns “smart” and be able to create a form of art to go along with music.
- This prototype’s main purpose is to accomplish the first labeled function and to explore the second. Hopefully providing further research in the field of concert and music LED art.



Product & Release Backlog

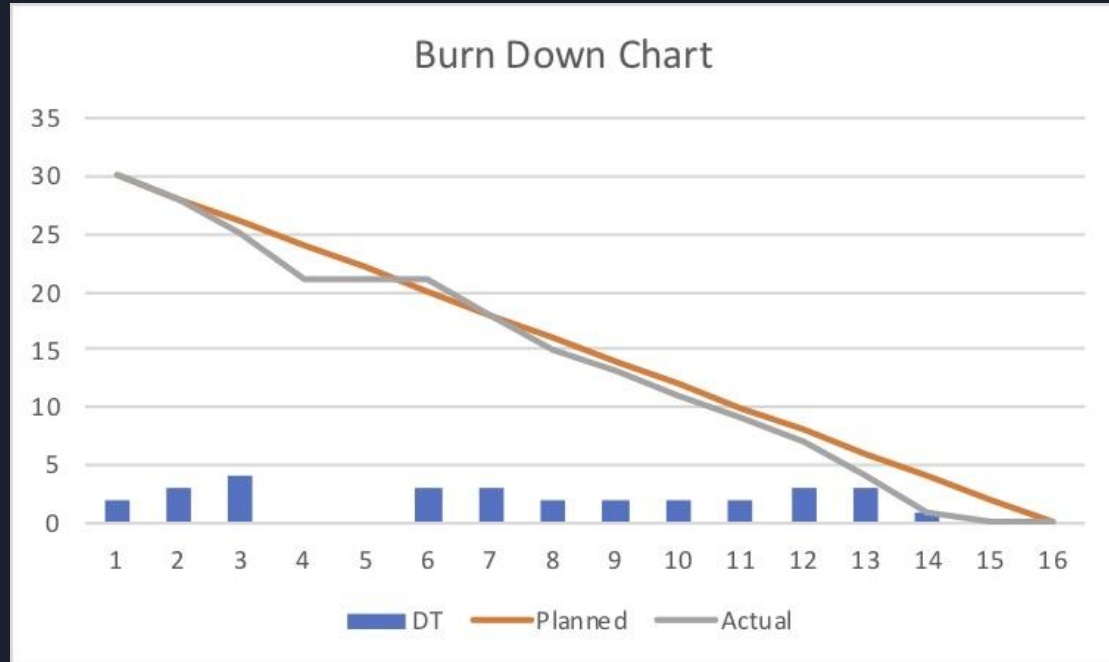
- A base product desire is for the display to play patterns corresponding to intensity of sound
 - A build-upon desire to this is for the code to keep track of intensity variations and play different patterns for recognized intensity patterns.
 - Another build-upon is an adjustable level of brightness for the display
- FOR RELEASE:
 - The base desire is non-negotiable, and hopefully one of the build-upon desires are included



User Stories / Tasks

- Chris as a developer would like us to get the Arduino coding software installed on a few lab machines so we can all work on coding.
- Warren as a tester would like the sound sensor to be hot-swappable with the other to compare sensitivity.
- Chris as a developer would like the repeated intensity pattern changer code to be more heavily developed in the next sprint.
- Chris as a developer would like the Arduino to communicate with PuTTY to print the picked up intensity levels.

Burndown Chart





Sprint Retrospective

What went well in the sprint: The gathering of the Arduino display, Arduino kit, and Sound sensor went smoothly. The team meetings were productive and allowed for a more cohesive team moving forward.

What could be improved: The overall team communication was lacking at times.

What will we commit to improve in the next sprint: team communication.