Product Name: Dunes
Team Name: Dunes
Sprint Completion Date: 10/22/17

Sprint 1 Plan

Goal: To create a basic implementation of the UI, with just blank/dummy blocks.

Story 1: As a developer, I want to do research on how to build the UI/recreate old web scrapers as block diagrams so that we can decide how to build the UI and to outline the functionality.
- Task 1: Download and set up qt (1 hr)
- Task 2: Design UI (1 hr)
- Task 3: Research/learn qt (3hr)

Story 2: As a developer, I want to do research on what libraries we can use to perform the backend scraping so that we can decide on how we're performing the scraping.
- Task 1: Make sure cheerio can handle broken HTML (1hr)
- Task 2: Investigate alternate jquery/css selection libraries (1hr)
- Task 3: Investigate node.js distribution options (2hr)

Story 3: As a UI developer, I want to have an initial version of the UI so that we can have the basic placement and connection of blocks in place.
- Task 1: Set up basic qt app (1hr)
- Task 2: Create modules, description, layout, and configuration panels (1hr)
- Task 3: Create module list with dummy data (1hr)
- Task 4: Make clicking/dragging a module add a draggable block (literally a rectangle) in the layout panel (3 hr)
- Task 5: Create anchor points that can be linked together with a line between blocks (3 hr)
- Task 6: Clicking a block creates specialized configuration UI (2hr)

Story 4: As a backend developer, I want to convert some of my old projects to a block design layout on paper so I have an idea of the blocks we need
- Task 1: Convert MALSequels (20m)
- Task 2: Convert NBAStats (20m)
- Task 3: Convert Supremebot (20m)
- Task 4: Convert Project free tv skip (20m)
- Task 5: Convert Kissanime scraper (20m)
- Task 6: Convert UCSC class scraper (20m)

Story 5: As a backend developer, I want to create a skeleton script file that has helper functions for downloading and parsing so that we have an idea of how we want to implement these actions.
- Task 1: Create node.js script that has:
- Task 2: Downloadpage()    (30m)
- Task 3: selectCSS()        (30m)
- Task 4: elementsToCSV()   (1hr)
- Task 5: elementsToText()    (30m)

Team Roles:

Will: UI developer, Script developer
Francis: UI developer, Script developer
Derek: Script developer, UI developer
Cole: Script developer, UI developer

Initial Task Assignment:

Will: Story 3, Task 3
Francis: Story 1, Task 1
Derek: Story 4, Task 1-3
Cole: Story 4, Tasks 4-6

Scrum Times:
Monday 3:10 pm Baskin Engineering 316
Wednesday 3:10 pm Baskin Engineering 316 -- TA come to this one
Friday 6 pm Baskin Engineering 316