Release Plan

Coding to End Coding

Team CTEC

Release 1.0

July 24th

Rev 1/June 27th

High Level Goals:

* Be able to construct a flowchart of script logic using an abstract drag-and-drop interface.
* Be able to turn a completed flowchart into a script in the selected scripting language.
* Act as a framework that can be extended easily with more blocks and output languages.

User Stories for Release:

* Sprint 1
  + (8 points) Spike JFX?
  + (8 points) As a user I need a GUI to see what the program is doing.
  + (8 points) As a user I need to be able to convert the flowchart into a Bash script.
  + (5 points) As a user I need to be able to add a simple block to the flowchart.
* Sprint 2
  + (5 points) As a developer I need a command block template that links flowchart elements to specific functionalities.
  + (13 points) As a user I need to be able to drag-and-drop to manipulate the flowchart.
  + (3 points) As a user I need a sidebar with available commands so that I can add them to the flowchart.
  + (3 points) As a developer I need to be able to add different blocks to the flowchart from external files.
* Sprint 3
  + (3 points) As a user I need to be able to pass text input into the blocks
  + (1 points) As a user I need a wiki so I understand the scope of the program and how to use it.
  + (5 points) As a user I need a suite of simple blocks to use
  + (8 points) As a user I need complex blocks such as conditionals to write robust scripts

**Product Backlog**:

* + (2 points) As a user I need tooltips so I understand the purpose of individual blocks.
  + (3 points) As a user I need to be able to execute the script I created.
  + As a user I need to be able to save my work so I can access it later.
  + As a user I need to be able to slot objects into command spaces.
  + As a technical user I need to be able to create custom code blocks so that I can create scripts outside the scope of the program.
  + As a technical user I want to be able to use yaml-style markdown files to define custom command blocks.
  + As a user I need to be able to create command blocks that point to objects (e.g. external scripts, files, or other programs) within my computer.
  + As a user I want to be able to specify absolute or relative files and paths.
  + As an advanced user I want to be able to define options for my blocks (e.g. ls -ah)
* cp
* mv
* cd
* grep
* awk
* ls
* cat
* touch