Sprint 1 Plan

Coding to End Code

CTEC Team

Sprint Completion Date: July 3

Rev 1/June 26

**Goal:** Sprint 1 is focused on learning Java FX and starting to build the GUI. This will include the construction of test commands and objects that can be expanded in a later sprint.

**Task Listing:**

*Spike*: Learn Java FX

*Task 1*: Make a button

*Task 2*: Set up window

*Task 3*: Event Listener

*Task 4*: Text window/input

*User Story 1*: As a user I need a GUI to see what the program is doing

*Task 1*: On program load, create a blank canvas 2 hrs.

*Task 2*: Create start and end markers (initially linked) 3 hrs.

*Task 3*: Create export button 3 hrs.

*Total for user story 1*: 8 hrs.

*User Story 2*: As a user I need to be able to add a simple block to the flowchart

*Task 1*: Represent flowchart as a doubly-linked list 5 hrs.

*Task 2*: User input creates an event (click to add a block) 2 hrs.

*Task 3*: Listen for that event and create a command block 2 hrs.

*Task 4*: Listen for that event, append an object to the DL list and move the end marker to the new list end 1 hrs.

*Total for user story 2*: 10 hrs.

*User Story 3*: As a user I need to be able to convert the flowchart into a Bash script

*Task 1*: Open (and close) an output file for writing with correct permissions 1 hrs.

*Task 2*: For each item in DL list print its Bash syntax to output file 3 hrs.

*Task 3*: Create event listener for export button 1 hrs.

*Total for user story 3*: 5 hrs.

**Team Roles:**

Rory Landau: Product Owner {Developer}

Thomas Applewhite: SCRUM Master {Developer}

Max Nibler: Developer

Wil Johnson: Developer

**Initial Task Assignment:**

Rory Landau: User Story 2, Task 1

Thomas Applewhite: User Story 1, Task 1

Max Nibler: User Story 2, Task 2

Wil Johnson: User Story 1, Task 2

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A listing of each team member, with their first user story and task assignment. This should look like: Team member 1: user story, initial task Team member 2: user story, initial task ... Team member N: user story, initial task

**Initial burnup chart:**

<https://www.scrumdo.com/>

<https://www.vivifyscrum.com/>

A graph giving the initial burnup chart for this sprint and is labeled as such with sprint number and project name and is located in the lab.

**Initial scrum board:**

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Also known as a task board, the scrum board is a physical board and labeled as such with sprint number and project name and located in the lab. This board has four columns, titled user stories, tasks not started, tasks in progress, and tasks completed. Index cards or post-it notes representing the user stories and the tasks for this sprint should be placed in the user stories, tasks not started, and tasks in progress columns. Tasks associated with a user story should be placed in the same row as the user story.

**Scrum times:**

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List at least the three days and times during the week when your team will meet and conduct Scrum meetings. Also, indicate which of these meetings will have the TA/tutor visit as arranged with the TA/tutor. It is expected the TA/tutor will visit during the Scrum meeting during your lab time. Note that if the team ended up modifying its release plan during sprint planning, submit an updated release plan document also with the sprint plan.