Design Specification Update
Sprint 3

Team 3 (Java)

Contents

A   Changes/Updates

The changes made to the Design Specification was relatively small. These changes are listed below.

A.1   Updating the Diagram for Grid Editor

The grid editor diagram was updated to reflect the changes made to it, namely a color picker was added to the right side of the Grid Editor, the text was removed from the buttons, and a set of translation buttons was added to shift patterns around on the frame. See figure 1 below.
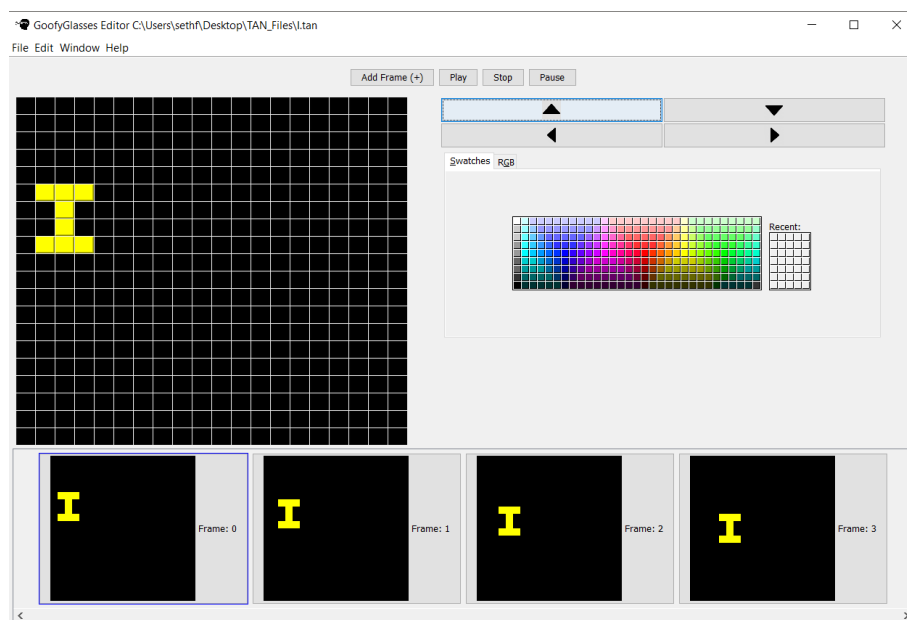

Figure 1: Diagram of Grid Editor

A.2   Updating the Time-line

The time-line was edited to reflect the progress made since Sprint 2 and also display goals for the following sprint. The time-line now properly indicates the completion and removal of several objectives. It accurately shows that refinements were made to the Grid Editor and the scrub bar, as well as an indication that there will no longer be a multi-node editor. The time-line now also lists the addition of a progress report presentation.

B   Updated Section(s)

The Single and Multi-Node grid editor sections were removed to reflect the change to using a single Grid Editor. These section(s) are further discussed below.

B.1   Grid Editor

The Single and Multi-Node Editor sections were removed to indicate the change in functionality of the design. This new design is a single Grid Editor with a color picker on the side, where there will eventually be the ability to Shift-Click a second node and a section of nodes will be selected to change the color.
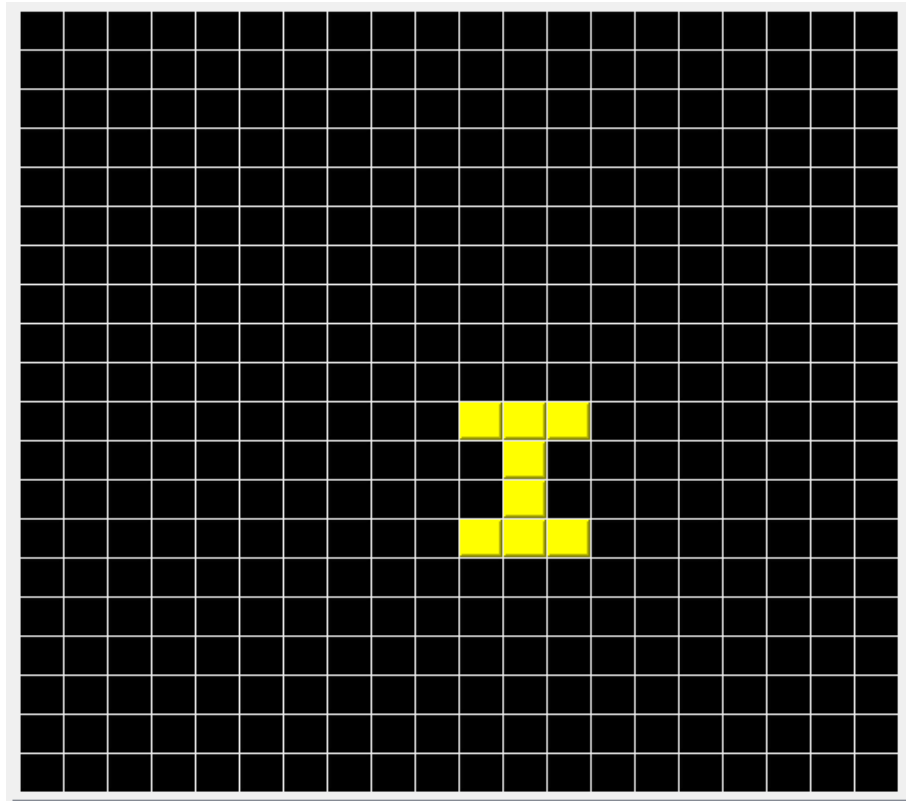

Figure 2: Diagram of Grid Editor

C   New/Changed Diagrams for Update

The Following are diagrams were created/updated for relevancy in the updating the Design Specification for the second sprint, these diagrams are presented in the following sections below.

C.1   Class Diagram for Grid Editor

The Class Diagram below in Figure displays the structure of the Grid Editor (so far), in which the Color, Node, and ActionListener classes holds the main mechanism of the Gird Editor, also showing the relationships between these classes. This has been updated from the previous sprint, by removing the Color class (utilizing Java's default Color class) and adding the NodeActionListener class and FrameButtonActionListener class. The diagram is shown in Figure 1 below.

Figure 3: Class Diagram of Grid Editor

C.2   Frame Preview Bar Diagram

The diagram in the figure below displays the structure of the Frame Preview Bar, which contains a list of frames, which have images to show the frame's configuration. There also exists a scroll bar as shown, which allows the user to scroll to show other frames. This diagram was mainly added to present the user with a visual cue to how the Frame Preview Bar should function. The diagram is shown in Figure 2 below.

Figure 4: Diagram of Frame Preview Bar

C.3   Grid Editor Diagram

The diagram in the figure below displays the structure of the Grid Editor in regards to the second sprint. This was shown to display the progress made on the Grid Editor GUI since the first sprint. The Grid Editor now displays a color when the user enter the RGB values of that color in the node dialog box. This effect was supposed to be focal point of the diagram. The diagram in shown in Figure 3 below.

Figure 5: Diagram of Grid Editor