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Abstract

The following is the specification and time line of our Tower of Lights project.

The First Iteration

The program should have/be able to...

- open, save, and create new .tan files

- an exit feature

- gridlayout used to view a frame

Details

The first iteration will be able to open animation files and determine if a given file is actually a .tan file. The iteration will not be able to show the animation file. Instead we will be only adding the grid interface in which we will later add the functionality to view the frames in the project. The save feature will be added for .tan files. We will also include an exit button in this first iteration of the program.

Rough Time line

1st iteration (due by Nov. 9 2016)
2nd iteration (due by Nov. 16 2016)
3rd iteration (due by Nov. 23 2016)
4th iteration (due by Nov. 30 2016)
final iteration...due by Dec. 7 2016

Appendix

Further Iterations' Details

Iteration 2

- select cells
- select colors

Iteration 3

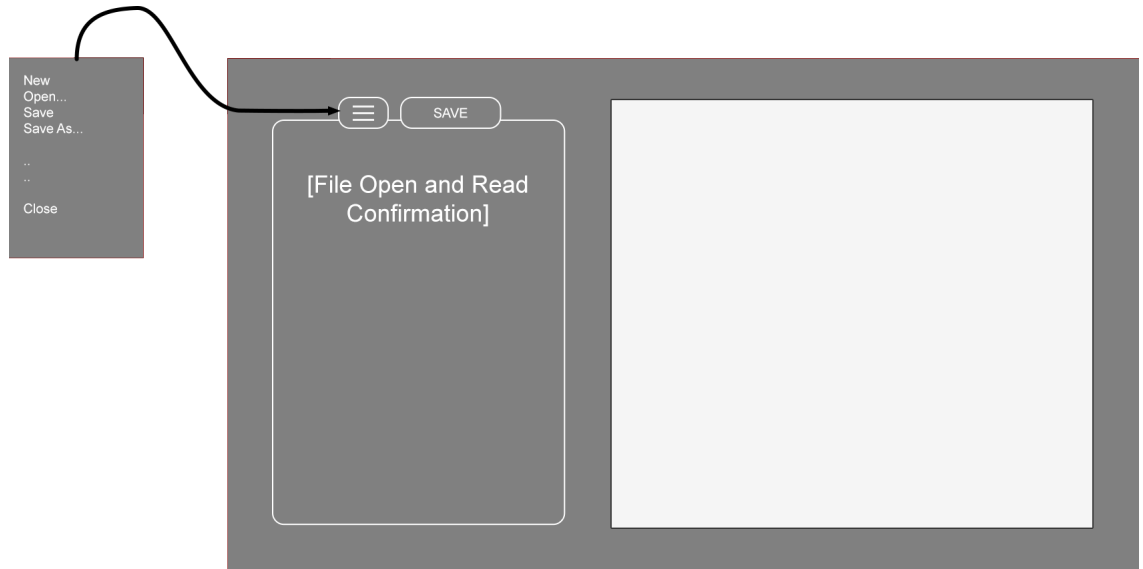- frame manipulation
- add frame time interval
- frame previewer
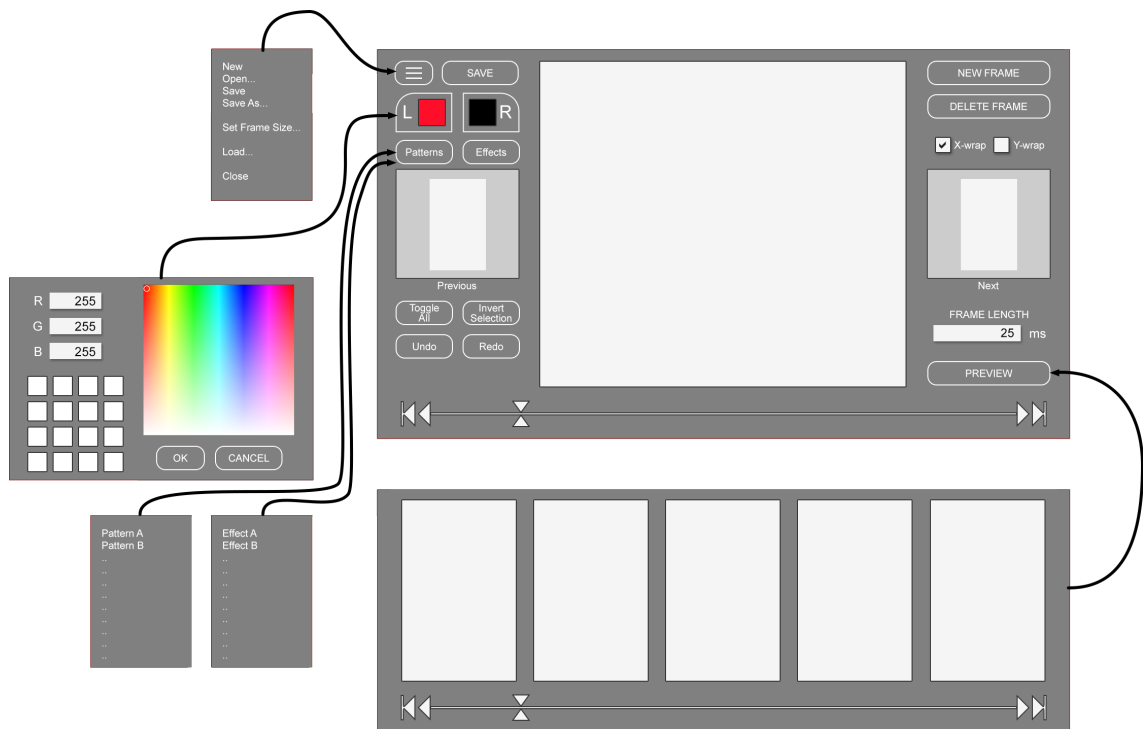
Iteration 4

- select audio file
- animation preview

Iteration final

- effects
- patterns

Iteration 1 Interface

New
Open...
Save
Save As...

..
..

Close

SAVE

[File Open and Read
Confirmation]

Final Interface

New
Open...
Save
Save As...

Set Frame Size...

Load...

Close

SAVE

L ▮ ▮ R

Patterns   Effects

Previous

Toggle All   Invert Selection

Undo   Redo

R 255
G 255
B 255

OK   CANCEL

Pattern A
Pattern B
..
..
..
..
..
..
..
..

Effect A
Effect B
..
..
..
..
..
..
..

NEW FRAME

DELETE FRAME

☑ X-wrap ☐ Y-wrap

Next

FRAME LENGTH
25 ms

PREVIEW

Iteration 1 Use Cases

Open file (.tan) - pop-up box New file - pop-up box Save file - pop-up box
Exit program - button Pop-up Box (Used for a use case which could require
extra options)