

## MEMORANDUM

**To:** Bruce Bolden  
**From:** Joshua Bonn  
**Subject:** Final Memo  
**Date:** May 9, 2017

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### Introduction

This memo will describe my efforts for the final development sprint. It will discuss my changes to the animation and to the loading method.

### Animation

Since the last development sprint, there was a large bug with the deletion of a frame. If a frame was deleted from the beginning of the animation, the animation frames would not change and the main grid would store different information. Now, when the first frame is deleted, it is removed from the animation timeline. There was another issue if the user clicked on the animation timeline where there were no frames. It would randomly fill the main grid with a random color. Now, clicking on the timeline without clicking a frame causes nothing to happen.

### Loading

After Wyatt committed the loading function, I tasked myself with updating the animation frames. Upon loading up a file, the animation is cleared and filled from the file.