Team BZ-Squared Initial Design Specifications

Customer Needs:

* 1) A Tower Animation Editor that integrates the four created by CS383 Fall 2016
* 2) An Animator that can also create animations for the Marching Band Glasses
* 3) An Animator that generates effects
* 4) An Animator that handles music files

Priorities:

* #1 A Tower Animation Editor that integrates the four created by CS383 Fall 2016
* #2 An Animator that handles music files
* #3 An Animator that generates effects
* #4 An Animator that can also create animations for the Marching Band Glasses

Team Metrics:

Metric 1)🡪 Editor meets following functionality

* Multiple Frame Selection
* Import/Export
* Handles functionally infinite frame amount
* Must be able to edit: frames, color of pixels, time of frame

Metric 2)🡪Editor meets following functionality

* Editor provides a user interface to handle single pixel frames
* Editor provides standard animations
* Editor allows effects to be linked to user control, allowing timing for marching band performances

Metric 3)🡪Editor Meets following functionality

* Editor holds an animation library
* Editor allows multiple effects
* Editor contains a group of pre-generated effects in library
* Editor can generate effects based on input

Metric 4)🡪Editor Meets following functionality

* User can import a music file (.wav) into editor
* Music included in animation playback preview
* Music represented as curve in display
* Music file can be linked to animation

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| --- | --- |
| Metric | Need satisfied |
| #1 | #1 |
| #2 | #2 |
| #3 | #3 |
| #4 | #4 |