Music Algorithms 3.0
Project Description

Purpose:
To rewrite Musicalgorithms 2.0 in HTML5 so that it is more usable and less prone to crashing.

Goals:
- Improve usability
- Convert java applet to HTML5
- Implement a new algorithm
- Implement more voice options

Progress so far:
- Basic functionality from java applet has been ported over to HTML5 application
  - Allows user to select from a list of pre-generated data
  - User can choose mapping method
  - User can select range for the input
- Improved usability and user friendliness
- Added multi-voice support
- Improved look and feel
- Faster and more optimized
- Added tabbed view for concise editing

Shortcomings:
- Some features broke after implementing multi-voice support
  - Modifications are no longer supported
  - Custom input is no longer supported
- Scale options needs to be reimplemented
- Play tab is lacking some features present in version 2.0
- Bugs need to be fixed for some new errors

Long-term goals:
- Implement morphing algorithm
- Add login page with user benefits
- Fix bugs
- Add proper testing features
- Make more modular and scalable