

Gersh Notes: Write down and Transpose musical notes and chords.

Data Needed:

- Chord Definitions: These will be used to recognize chord formations and transpose chords across keys
- Key Definitions: Used for transposition and mode conversion
- Musical Mode Definitions: modes across different keys need to be able to be transposed
- Images: Certainly for the icons. Additional images will be needed to display meaningful icons. Perhaps images to be used for the background as well to liven up the app.

One major task in the app's development is to incorporate a system that will allow a user to input one kind of musical notation. This main input is one of the user's main ways to access the app.

Another major task will be to implement file storage, probably through a small device-side database (this is not a network dependent app). This will allow a user to save and retrieve their Gersh Notes.

A good method to work with and keep information must be implemented so that transposition across musical signatures is fast, as well as storage and retrieval. The storage and main musical access area are highly dependent on the information data handling method.

A system that can recognize and transpose musical signatures, whether across chords or keys, will be crucial to the final product. Starting with entire key transposition, I can ensure that the transposition methods are working. They can then be applied to musical 'modes.' With mode transposition functional, chord transposition will be implemented.

Alongside the implementation of the chord transposition methods, chord recognition methods are also helpful, and will hopefully be developed alongside the chord transposition methods.

10/12 - 10/25 : information handling methods. Without these methods, the other functionality would not have any data to process.

10/12 - 10/25 : Musical note recognition. With the app recognizing key signatures and musical information, the user will understand and handle the information much easier.

10/18 - 11/1 : implementation of transposition methods. These methods will take the storage notation, and convert it to a desired key.

At this point, a deliverable should be able to select chords or keys and transpose them.

11/1 - 11/15 : implementation of an editable input controller, through which a user will access the app and note their music.

A deliverable will allow an alternate form of input, which will still perform transposition.

11/1 - 11/25 : data storage and retrieval. With other functionality in place, we can begin finalizing storage and retrieval.

With storage implemented, a deliverable will be close to the first release of the product.

11/18 - 11/25 : debugging

A first product release will be free of known issues and will perform as expected.