

Project Proposal

CS320 Spring 2025

Company Name:

Brass Monkey

Application Name:

Arpeggio

Proposal (>= 300 words):

Our idea is to have a sheet music repository that is easy to access and does not require an account for a single device but uses one to store sheet music in the account, which can be used to access your music scores on different devices. There could also be a way to view your profile details and set specific things like favorites, profile pictures, etc. We envision it kind of like Steam or Apple Music, but for strictly sheet music. Things like the composer, the arranger, the year, the instrumentation, difficulty, and other metadata would be accessible in a visually cohesive and intuitive manner. You would be able to upload and download files in PDF and XML files, which are the standard file types for sheet music. Through the program, users can organize their saved scores into groups, playlists, and other sub-libraries. It allows musicians to access music in a convenient way, rather than searching through endless folders to find scores. This application promotes a lightweight, digital approach to collecting sheet music and will not be buried in notation software or a paywall like other software. It addresses an issue we have as musicians where there is not currently an application or site where this level of archival organization is possible in a cost-free, convenient manner for sheet music. This application is intended for composers, arrangers, and musicians who want to keep their sheet music in one place without external distractions.

Features would include a search function both within the library and also one on a separate store tab. The store would have a mock-up of what it would look like for artists to upload their sheet music for purchase. In your library, you can also create tags and mark specific pieces with those tags, so they can be easily searched for. This would allow us to create an advanced search using the tags to filter for specific music. Authors would be required to include tags on their uploaded music to ensure that the advanced search functionality would also work on the store tab. Advanced features/stretch goals would include reviews and ratings, creator profiles, and folders.