

# BSharp



# Members

- Nick Morris: Database
- Cameron Keith: Database
- Chris Linstromberg: Database
- Robert Stewart: GUI
- Guy Cockrum: GUI
- Ryan Tanner: Database & GUI

# What is BSharp?

- Sheet Music Organizer/Music Database
  - “Provide an easy way for band directors to manage their performers and music while granting easy access to music used by the performers”

# BSharp Is....

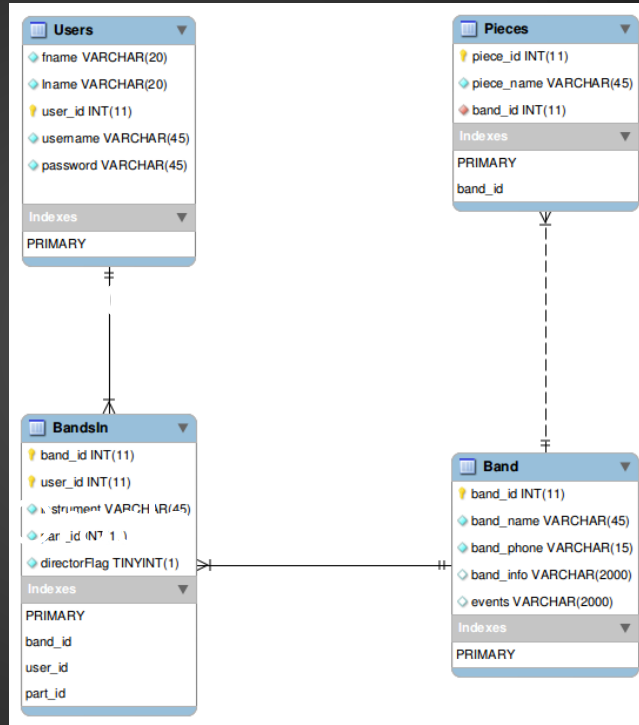
- An Android Application
  - Quick viewing anytime, anywhere
- A Website
  - Central Hub for sheet music uploading and viewing
  - Directors can manage their band's music easily with a user friendly interface
- A three-tiered architecture
  - Abstracts away how music is stored/accessed

# Who will use BSharp?

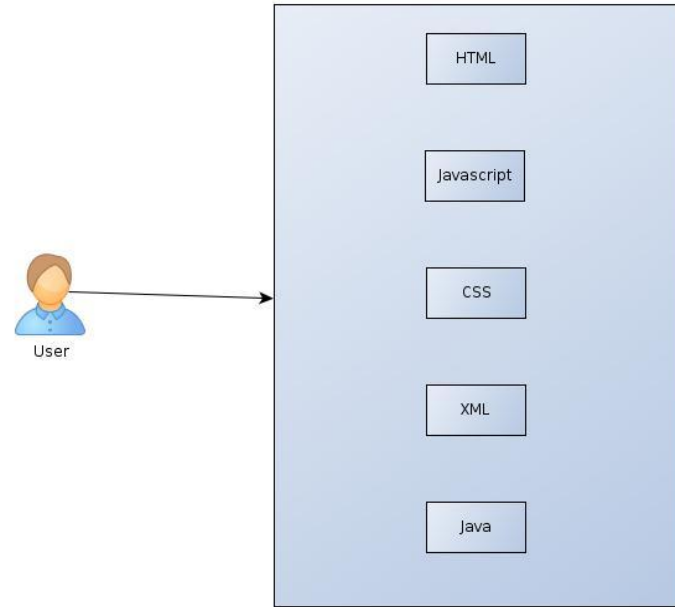
- Marching Bands
- Concert Bands
- Choir
- Orchestra
- Pipe Bands
- Church Music Groups
- Other groups needing to reliably distribute sheet music to their members

# Database Model

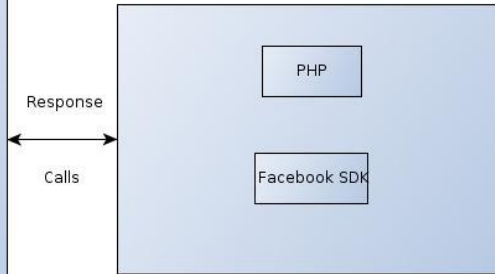
- Used to have a 5 table instead of 4
- Had planned to have duplicate access to an database



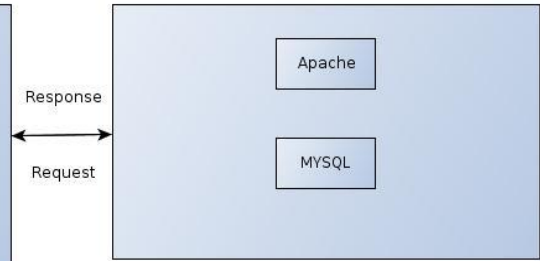
Client Side  
(Front End)



Middleware  
(API)



Database  
(Back End)



Response

Calls

Response

Request

**Demo**



# BSharp 2.0

- Fix Director specific access to view all music
  - Currently uses the browser's file browser
- Customizable home pages for each band
  - Allow Directors to use a WYSIWIG to make some changes to their band's page

# Technological Challenges

- Android Development
  - Time consuming
- Facebook Log In
  - Does not apply very well to our website idea
  - Users are very linked together by account

# Working with a team

- Meeting with group
  - Off campus group members
- Getting a location
  - Finding somewhere to meet
- Limited availability