Introduction

During the ongoing pandemic, countless concerts and social events have been canceled. This makes music all the more important, as music's connective purposes are crucial in these trying times. Through group listening, users of Soundcheck can create new and strengthen existing bonds, as music is inherently social. With the high user base of streaming services, building Soundcheck on top of these is the natural way to facilitate the interaction that people need.

Related Works

- **Spotify Group Session:**
  + Allows music streaming with friends
  - Unsafe to stream with new people

- **Teleparty:**
  + Compatible with video-streaming services
  - Specific installation as Chrome extension

- **Discord:**
  + Unified communication and streaming
  - Not intuitive for new users

- **Kast:**
  + Robust, easy-to-use communication
  - Many features are locked behind a paywall

Methodology

The application will be built on a Python-Flask backend for simple account services, featuring HTML for frontend user interaction and Socket.IO to stream music and chat across servers.

By allowing connections with Spotify and Apple Music accounts, this application will connect users of different services in matching servers, using API calls to check for and play music from both services.

Evaluation

- **Survey**
  - Accounts for user bias
  - Introduction to the application.

- **Focus Group**
  - Testing independent application features
  - Gathering group opinions

- **Interview**
  - Identify individual opinions
  - Receive feedback on the overall product