



Merely Music

An open source, multiplatform,
bring your own music **streaming service**.



Passport

A unified, secure OAuth implementation
for all of my future projects.



Audio Transcoding

iOS

TypeScript

noSQL

Android

MVVM Architecture

Session Storage & Validation

Account Management

Raspberry Pi Hosting

Web App

Background

Google recently killed their bring-your-own-music streaming service *Google Play Music*, so I decided to spend my 4 months of project work

designing my own. I also wanted a unified login experience instead of writing yet another simple (or external) login system.

Research

I compared and contrasted many frameworks and decided on MongoDB, Express, and React Native with Expo for the music app and the tried and tested LAMP stack for Passport. For security and better compatibility with existing projects of mine.

The Process

Development started with prototyping all of the components I'd need: the API, the app, the music database, the Passport website, and the Passport database.

I then went through each component one-by-one, thoroughly implementing Passport components with security and reliability in mind. Passport is OAuth compliant and follows secure token generation and distribution practices. Merely music was built from the bottom-up and wasn't completed in time, but you can subscribe to the mailing list on the website to try it out when it's ready.

Two uniquely challenging
full-stack projects rolled into one

See them for yourself!

Passport

Available Online now



passport.yiays.com

Merely Music

Launching in a few months...



merely.yiays.com/music

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