

Project Requirements Document

Team Gigs - Mezzo

Members:

Sagar Saija
Sahil Bissessur
Prithvi Sathiya
Mason Levy
Vincent Chang

Intro (Problem, Innovation, Science, Core Tech. Advance)

Currently, there is no active social hub for musicians to gather with other local musicians and collaborate. Team Gigs plans to change that with Mezzo, a social application for musicians to meet other musicians on the web or on the go with a mobile application. We'll be using the most recent technologies to innovate and create this application to provide a pleasing interface, and the optimal, efficient application experience for musicians.

Glossary of Terms

None (yet)

System Architecture Overview

The web application will be coded with Ruby on Rail which uses an MVC framework and will be deployed with Heroku. We will then use Cordova to port the web application's HTML/JS to a mobile application for both iOS and Android.

We'll be creating a Tinder-like interface where users can view profiles of other musicians, along with basic profile information as well as a sample of the musician's music (embedded streaming from other services [i.e. SoundCloud] or hosted locally?). Musicians have to mutually like the other musician in order to start up a conversation.

Profiles are linked to Facebook, which will handle profile pictures as well as reduce the chances of fake accounts being made.

Requirements (functional and non-functional)

1. As a user, I want to be able to access a webpage.
2. As a user, I want to be able to create a profile and link it with Facebook for ease of use.
3. As a user, I want to be able to put my music on my profile for others to hear.
4. As a user, I want to be able to talk one on one with other musicians that I like and have liked me back.

5. As a user, I want to be able to find users near my location wherever I am.
6. As a user, I want to be able to sort other musicians by things like genre, instrument, playstyle, experience, and age.
7. As a user, I want to be able to have my music liked and commented on.
8. As a user, I want to be able to see featured music that has many likes.
9. As a user, I want to be able to see local events near me that I might want to go to.
10. As a user, I want to be able to make groups of musicians that I have liked and want to start a jam session with.

More are on/will be on PivotalTracker

Prototyping code and test cases (Github URL)

Development/Lab: <https://github.com/sagarsaija/INTERNAL-CS189A>

Production: <https://github.com/sagarsaija/PRODUCTION-CS189A>

Wiki and all documentation is in the Development GitHub.

System Models

None (yet)

Appendices (Tools Used)

Ruby on Rails

Rubymine

Cloud 9

Heroku

Cordova

GitHub

Bootstrap