

San Jose State University

## **Project Requirement Document**

**Project Name: YouRMusic**

Team number: 20

Team member's name:

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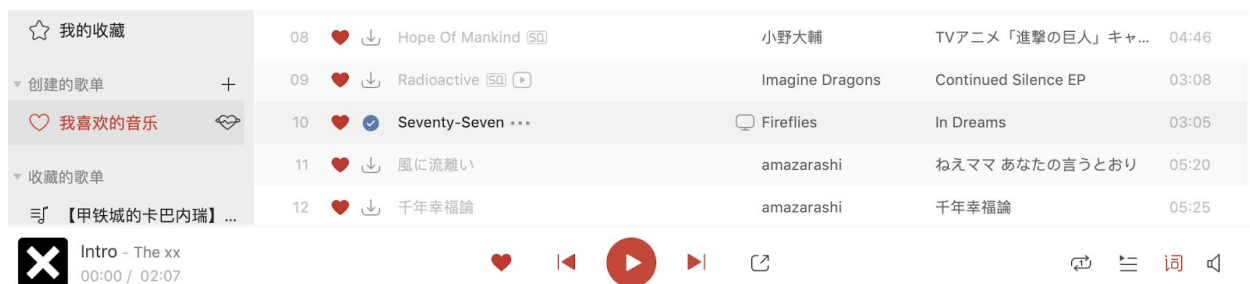
Yu Xiao Zheng

## Project Description

This project **YouRMusic** is simulating the ultimate music streaming website from a real-world Music website. It will clone some real events: the customer may create a new account, and log in to his/her user pages; the user can play the music online and operate to add or delete a song into his favorite music list. The goal of our application is to provide a convenient way to listen, add, remove, and search for a song. If the user likes a song, he can either share or like that song.

Besides, our application will also provide a beautiful user interface that is clear and intuitionistic.

- The picture below is an example:



At the same time, our application also provides a user interface for the backend engineer. The goal of this back-end UI is to provide an easy way to manipulate data. For example, if the customer rates a song, the customer can give a like or negative feedback on that song, then our back-end engineer will manipulate the database to import or delete a song. After that, we will push the result to the front-end website. In short, we hope to separate the front-end website and back-end website.

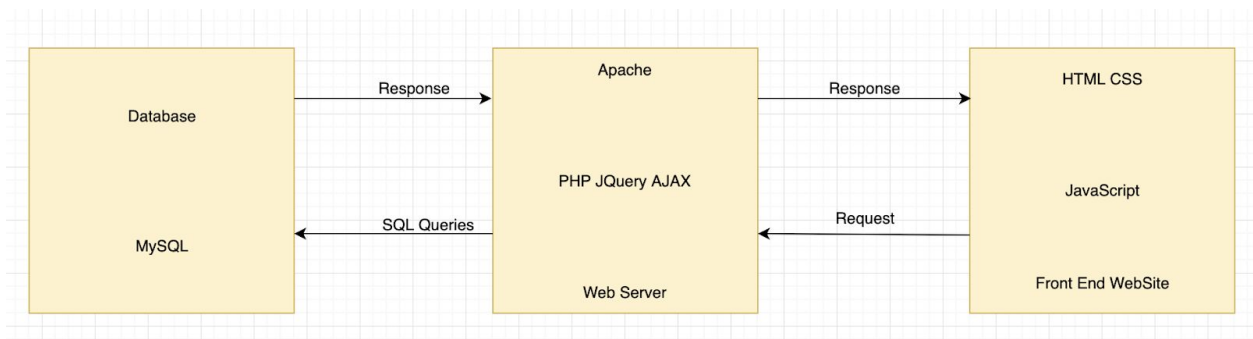
Speaking about the motivation, there are times when people forget about when their favorite artists release music so we develop this website to make sure that the music listeners will get the notification of the latest music release as soon as possible. By thinking that way, we plan to create one of our major features: new music reminder. By this feature, this project will be important in retaining customer attention and awareness of the latest songs in the market, which will benefit the music lovers.

The stakeholders of this project will be the people who listen to music, people who want to get to know about music or everyone involved in the entertainment industry.

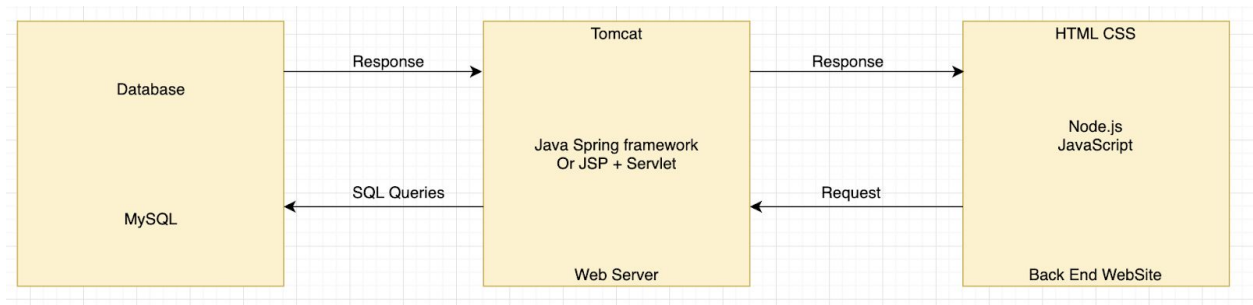
## System Environment

### Structure of the System

#### 1. For customer three-Tiered



#### 2. For back-end engineer three-Tiered



### Hardware and Software used

- MacBook Pro
- macOS Windows
- Apache Tomcat
- Visual Studio Code
- IntelliJ Idea
- PhpStorm

### RDBMS

- MySQL Ver 15.1 Distrib 10.3.16-MariaDB

### Application Languages

- Java, Java EE,
- HTML, CSS, JavaScript, JQuery, PHP, XML, MySQL, Node.js
- Spring framework