

一、系统配置环境

操作系统: Window10

JDK: jdk-8u141

MySQL: MySQL-5.7.3

Node.js: v12.14.1

IDE: IntelliJ IDEA 2023.1

VSCode: 1.77.3

Vue: 2.6.14

Vue-cli: @vue/cli 5.0.8

Spring Boot: 2.7.9

Maven: 3.6.1

Element-ui: 2.15.7

二、安装步骤

1.前期准备

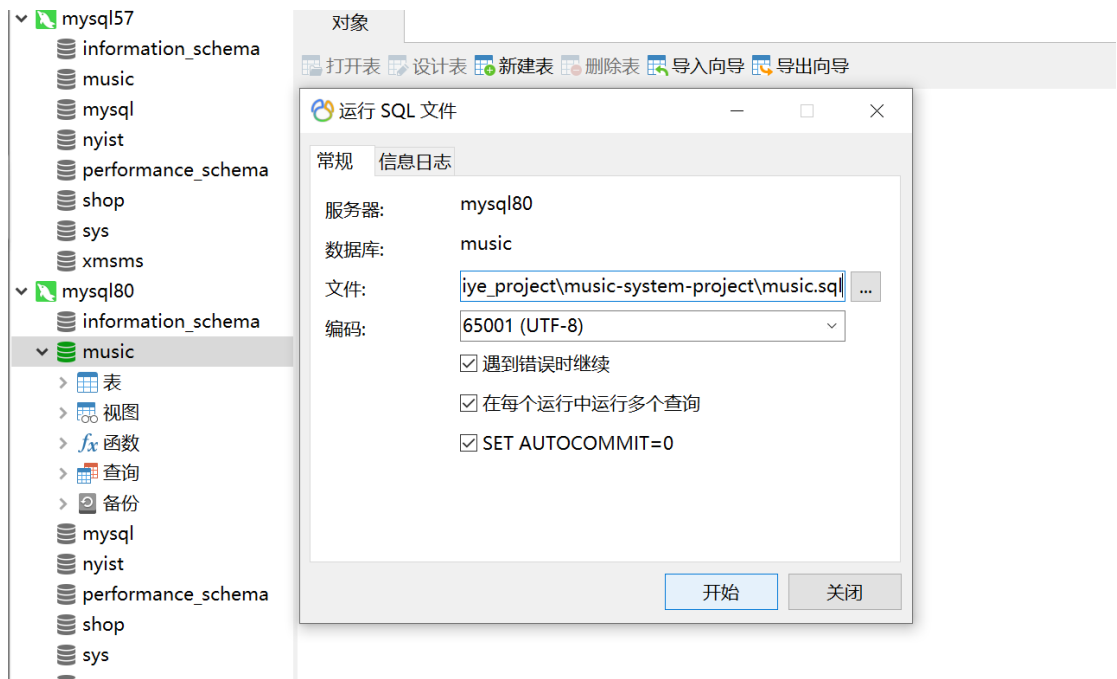
项目所需软件均可在网站上下载。在网站上下载所需软件安装包后,根据安装步骤安装软件。在 Windows 系统上下载 jdk1.8、node.js、MySQL5.7, Navicat premium 等软件,然后配置项目所需的环境 Vue、Vue-cli、Maven、Spring Boot 等。

2.数据库配置

(1) 下载 Navicat Premium 并进行配置(由于每台电脑的配置和硬件不同,此步骤按需要进行)。

(2) Navicat Premium 安装好后,创建本地连接用户名为 root,密码

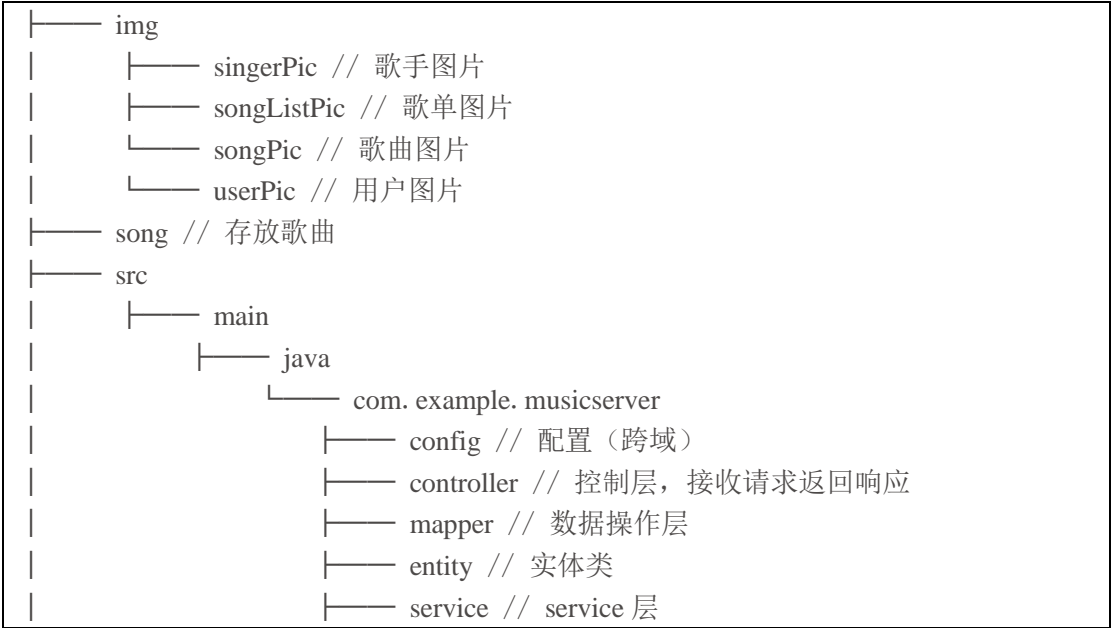
为 123456，创建数据库，命名为 music，然后右击 music，点击运行 SQL 文件，选择 music.sql 文件执行。执行完成后 刷新即可。



3.项目运行

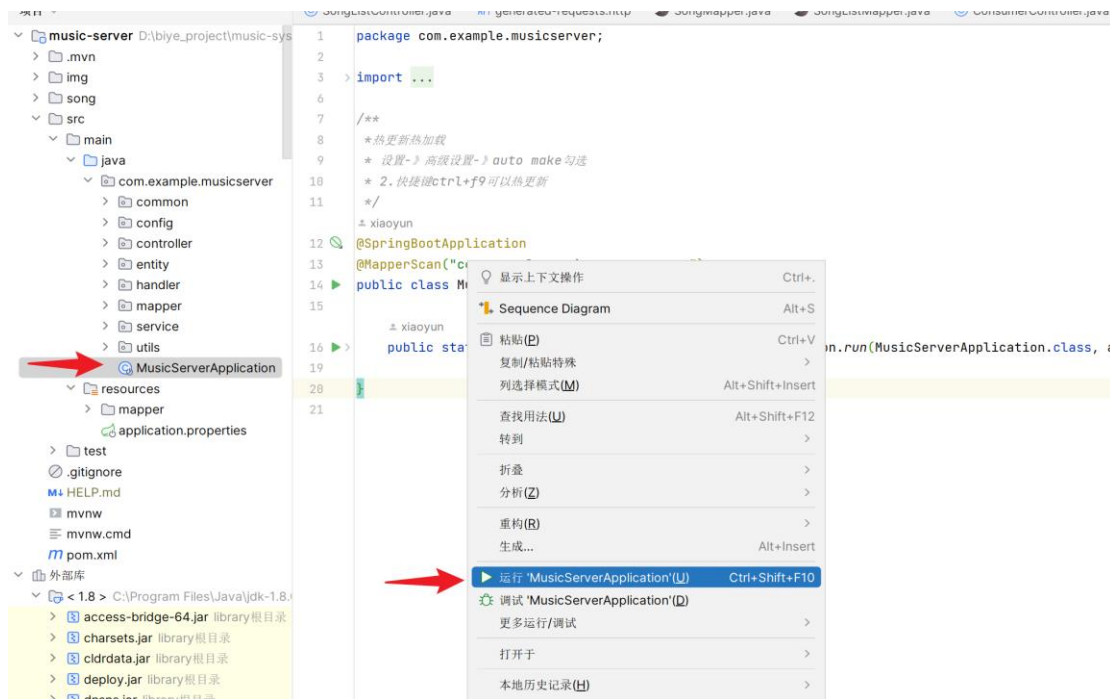
3.1 运行服务端

服务端目录主要结构：

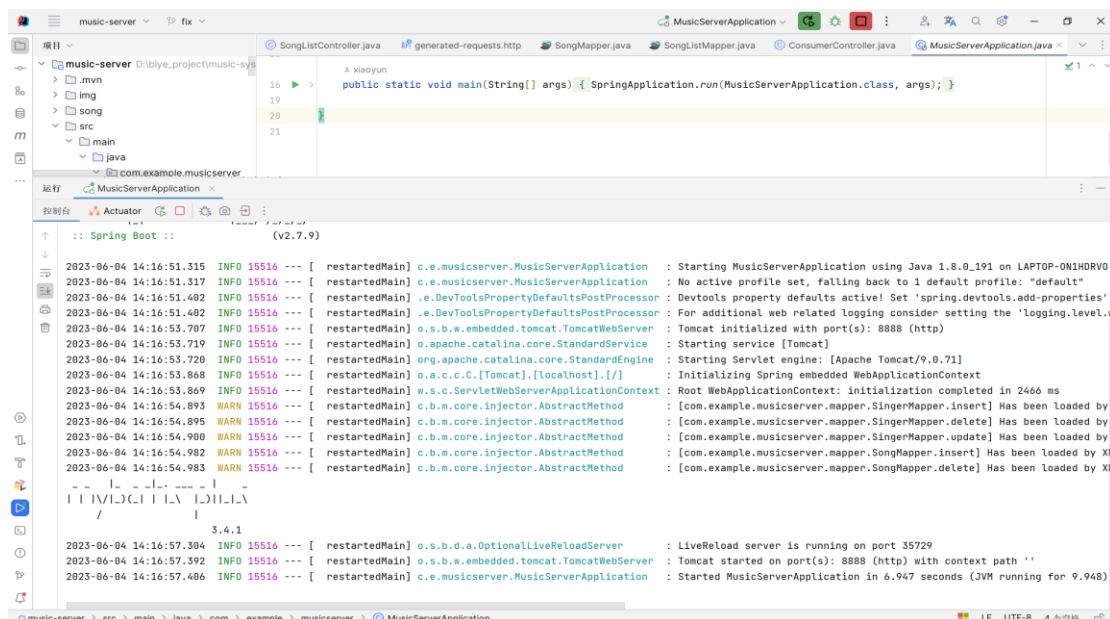




安装完所需环境后，用 idea 打开 music-server 服务端的文件夹，打开项目后拉取相关依赖，然后运行在 com.example.musicserver 包下的 MusicServerApplication 类。运行方式如下图：

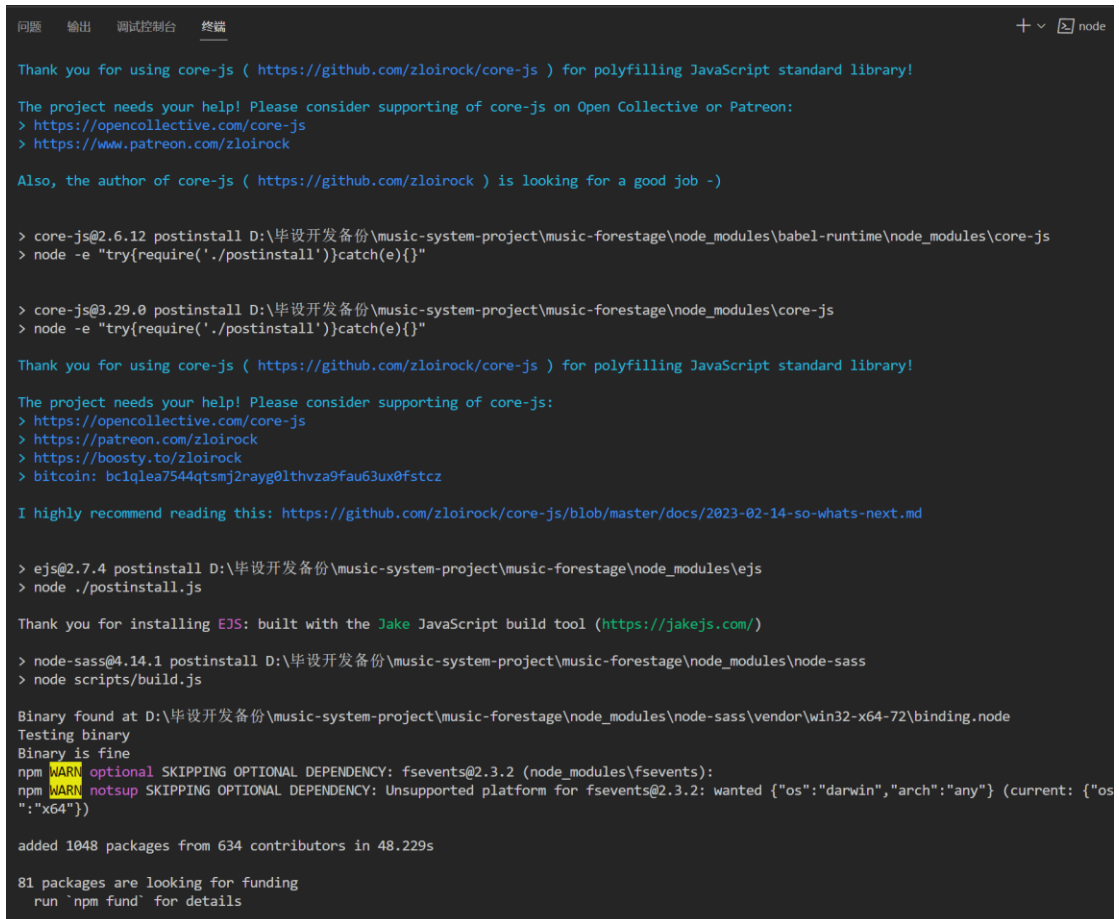


运行成功如图：



3.2 运行前台项目

安装完所需环境 node 和 vue 后，用 vscode 打开 music-forestage 文件夹，在 music-forestage 目录打开 vscode 终端，运行 `npm i` 命令导入相关的包，导入后的包在 `node_modules` 目录下。运行成功如图：



```
问题 输出 调试控制台 终端
Thank you for using core-js ( https://github.com/zloirock/core-js ) for polyfilling JavaScript standard library!

The project needs your help! Please consider supporting of core-js on Open Collective or Patreon:
> https://opencollective.com/core-js
> https://www.patreon.com/zloirock

Also, the author of core-js ( https://github.com/zloirock ) is looking for a good job -)

> core-js@2.6.12 postinstall D:\毕设开发备份\music-system-project\music-forestage\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.29.0 postinstall D:\毕设开发备份\music-system-project\music-forestage\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

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> https://patreon.com/zloirock
> https://boosty.to/zloirock
> bitcoin: bc1qlea7544qtsmj2rayg0lthvza9fau63ux0fstcz

I highly recommend reading this: https://github.com/zloirock/core-js/blob/master/docs/2023-02-14-so-whats-next.md

> ejs@2.7.4 postinstall D:\毕设开发备份\music-system-project\music-forestage\node_modules\ejs
> node ./postinstall.js

Thank you for installing EJS: built with the Jake JavaScript build tool (https://jakejs.com/)

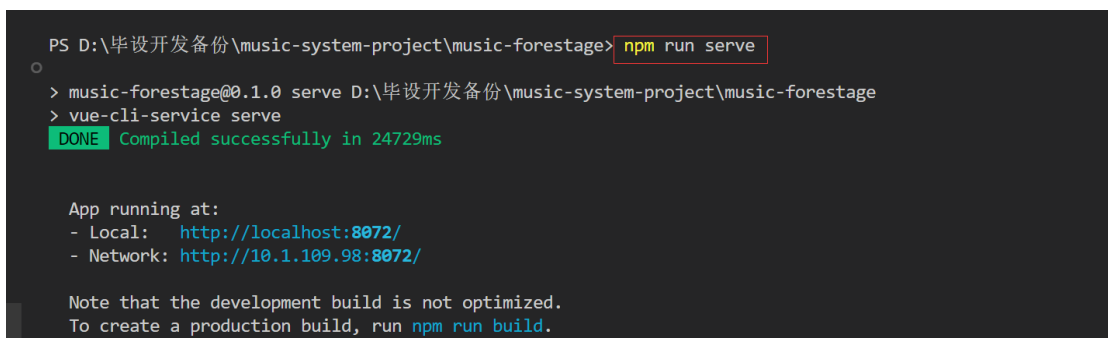
> node-sass@4.14.1 postinstall D:\毕设开发备份\music-system-project\music-forestage\node_modules\node-sass
> node scripts/build.js

Binary found at D:\毕设开发备份\music-system-project\music-forestage\node_modules\node-sass\vendor\win32-x64-72\binding.node
Testing binary
Binary is fine
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"x64"})

added 1048 packages from 634 contributors in 48.229s

81 packages are looking for funding
run 'npm fund' for details
```

运行 `npm i` 成功后，再在 music-forestage 目录下运行 `npm run serve` 命令。运行成功如图：



```
PS D:\毕设开发备份\music-system-project\music-forestage> npm run serve
> music-forestage@0.1.0 serve D:\毕设开发备份\music-system-project\music-forestage
> vue-cli-service serve
DONE Compiled successfully in 24729ms

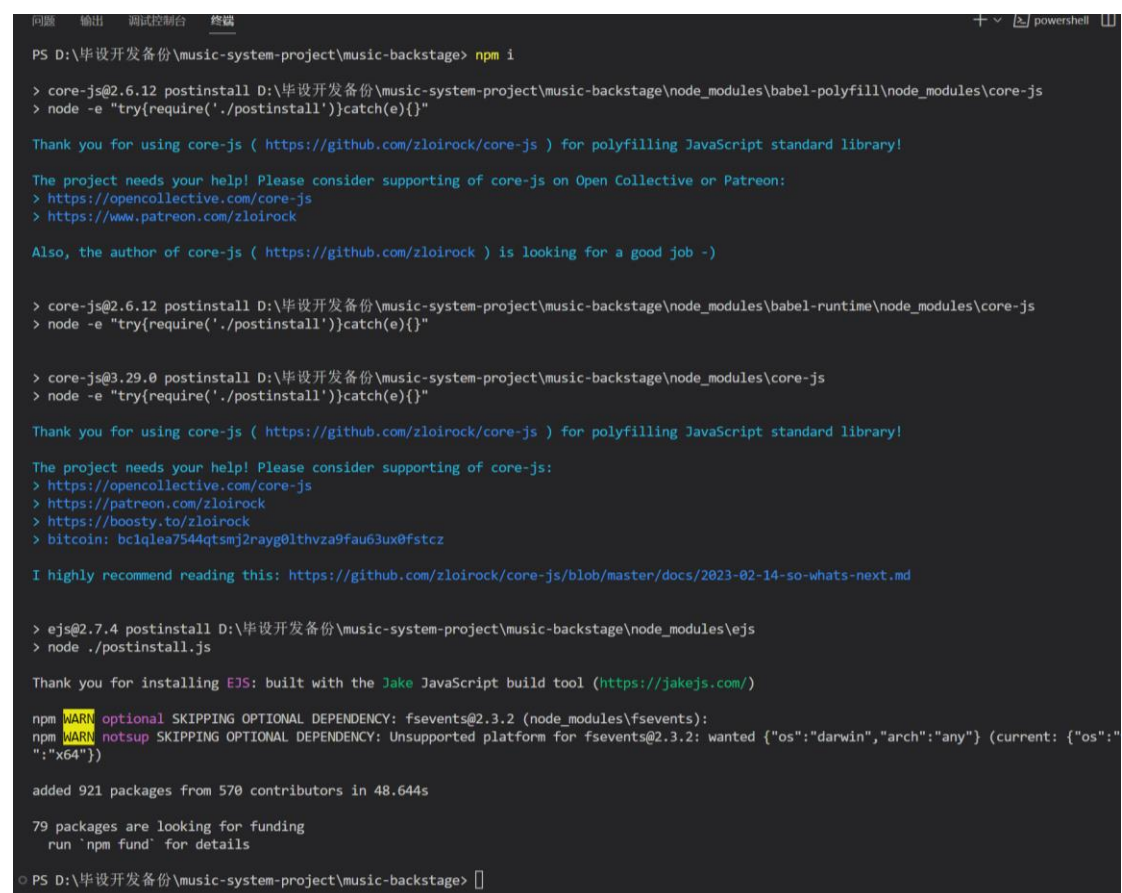
App running at:
- Local: http://localhost:8072/
- Network: http://10.1.109.98:8072/

Note that the development build is not optimized.
To create a production build, run npm run build.
```

打开浏览器在地址栏输入如图的地址：<http://localhost:8072/>即可打开网页。

3.3 运行后台管理项目

与运行前台类似，安装完所需环境 node 和 vue 后，用 vscode 打开 music-backstage 文件夹，在 music-backstage 目录打开 vscode 终端，运行 npm i 命令导入相关的包，导入后的包在 node_modules 目录下。运行成功如图：



```
PS D:\毕设开发备份\music-system-project\music-backstage> npm i

> core-js@2.6.12 postinstall D:\毕设开发备份\music-system-project\music-backstage\node_modules\babel-polyfill\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

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> core-js@2.6.12 postinstall D:\毕设开发备份\music-system-project\music-backstage\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.29.0 postinstall D:\毕设开发备份\music-system-project\music-backstage\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

Thank you for using core-js ( https://github.com/zloirock/core-js ) for polyfilling JavaScript standard library!

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> https://patreon.com/zloirock
> https://boosty.to/zloirock
> bitcoin: bc1qlea7544qtsmj2rayg0lthvza9fau63ux0fstcz

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> ejs@2.7.4 postinstall D:\毕设开发备份\music-system-project\music-backstage\node_modules\ejs
> node ./postinstall.js

Thank you for installing EJS: built with the Jake JavaScript build tool (https://jakejs.com/)

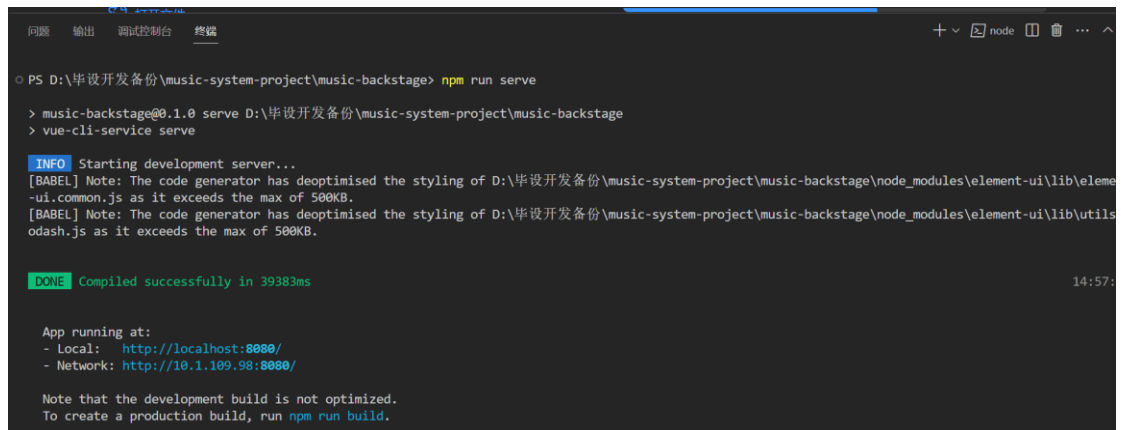
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"
":"x64"})

added 921 packages from 570 contributors in 48.644s

79 packages are looking for funding
  run `npm fund` for details

PS D:\毕设开发备份\music-system-project\music-backstage>
```

运行 npm i 成功后，再在 music-backstage 目录下运行 npm run serve 命令。运行成功如图：



```
PS D:\毕设开发备份\music-system-project\music-backstage> npm run serve

> music-backstage@0.1.0 serve D:\毕设开发备份\music-system-project\music-backstage
> vue-cli-service serve

[INFO] Starting development server...
[BABEL] Note: The code generator has deoptimised the styling of D:\毕设开发备份\music-system-project\music-backstage\node_modules\element-ui\lib\element-ui.common.js as it exceeds the max of 500KB.
[BABEL] Note: The code generator has deoptimised the styling of D:\毕设开发备份\music-system-project\music-backstage\node_modules\element-ui\lib\utils\odash.js as it exceeds the max of 500KB.

DONE Compiled successfully in 39383ms

App running at:
- Local: http://localhost:8080/
- Network: http://10.1.109.98:8080/

Note that the development build is not optimized.
To create a production build, run npm run build.
```

打开浏览器在地址栏输入如图显示的地址：<http://localhost:8080/>即可打开网页。

三、异常情况说明

若获取资源失败，一般是数据库找不到对应资源导致的。如果出现此情况可更新数据库资源或从管理端更新所需资源即可。