

ENSF 614 Group 9 Project Deployment Manual

Course: Advanced Systems Analysis and Software Design – ENSF 614

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Please follow these steps to deploy the project on your local device.

Step 1. Download source codes into a project folder and arrange files into folders listed in Figure 1 below; or clone the provided git repository. Recommend to either clone the git repository or un-zip the <group9repository.zip>.



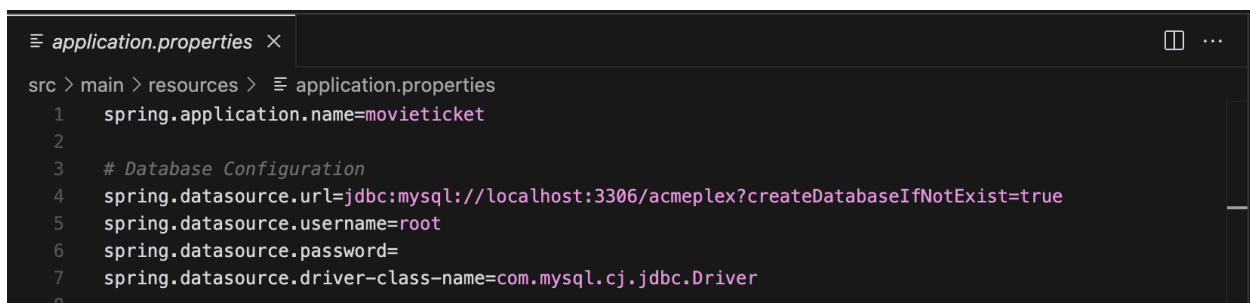
Figure 1 Tree Diagram of Source Code

Step 2. Check if all necessary dependencies are installed.

This is a Spring Boot Gradle project. The files <build.gradle> and <settings.gradle> are the essential dependency management files. If needed, please also check the prerequisites listed below:

- Java JDK 17 or higher
- Gradle 8.x (or use the included Gradle wrapper)
- MySQL 8.x
- IDE (recommended: IntelliJ IDEA or Eclipse)

Step 3. Check MySQL database setting. By default, this application uses <username=root> and no password. If necessary, update the <application.properties> file to match user's database credential. Figure 2.



```
src > main > resources > application.properties
1  spring.application.name=movieticket
2
3  # Database Configuration
4  spring.datasource.url=jdbc:mysql://localhost:3306/acmeplex?createDatabaseIfNotExist=true
5  spring.datasource.username=root
6  spring.datasource.password=
7  spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
8
```

Figure 2

The application will create an empty MySQL schema <acmeplex>. Figure 3. If there is already a schema named <acmeplex> in the database, it needs to be renamed or dropped manually.

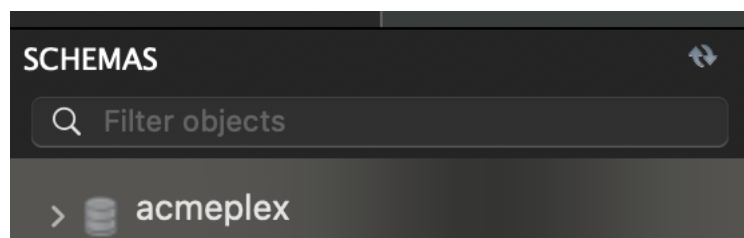


Figure 3

Step 4. Navigate to project directory and run the app. Figure 4.

Command to use: `./gradlew clean build bootRun`

```
2024-11-27T19:33:24.262-07:00 INFO 99808 --- [movieticket] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 8 ms
<=====--> 93% EXECUTING [4m 26s]
> :bootRun
█
```

Figure 4

Step 5. Use your browser to check if app is running on localhost:8080. Figure 5.

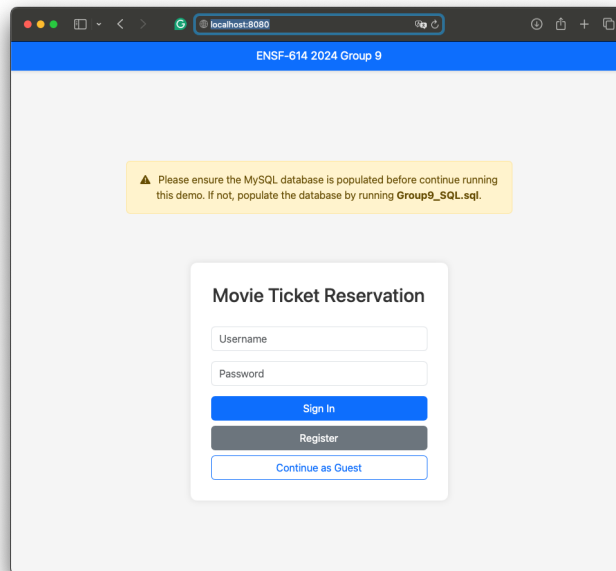


Figure 5

Step 5. Use MySQL Workbench to ensure Schema acmeplex is created in Local Instance 3306. Figure 6.

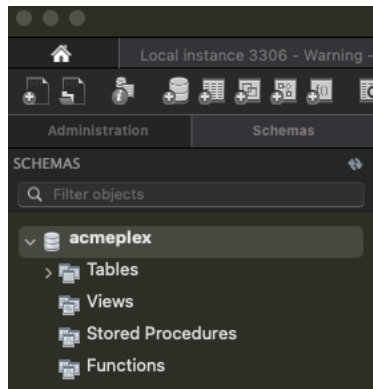


Figure 6

If necessary, the user can also create the empty acmeplex schema by using files in 3_2_group9_SQL_dump_empty.zip

Step 6. Run provided 3_1_Group9_SQL.sql in <sqlscript> folder to populate the database. Figure 5.

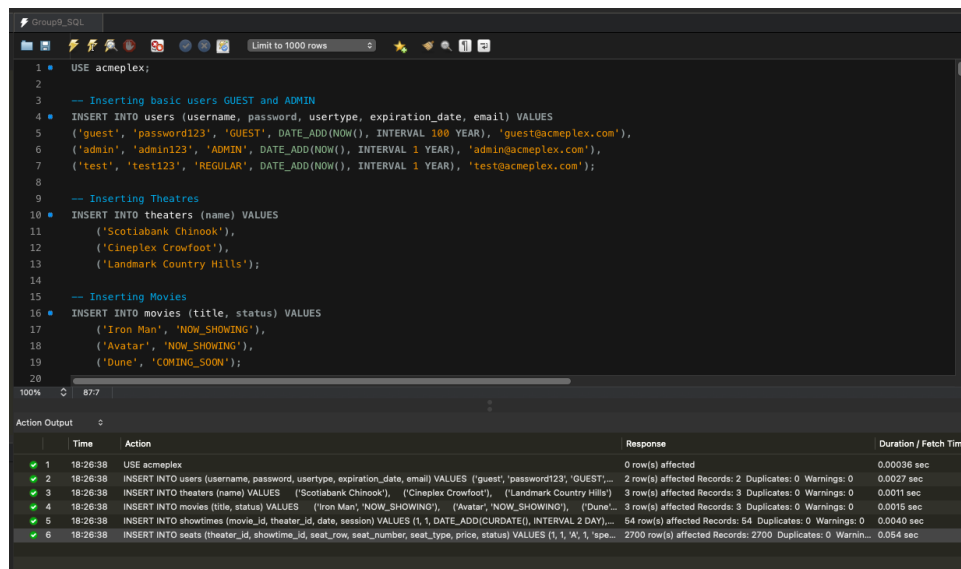


Figure 7

Step 7. Test the demo. Try creating account, purchasing ticket, canceling ticket, etc.
Figure 6.

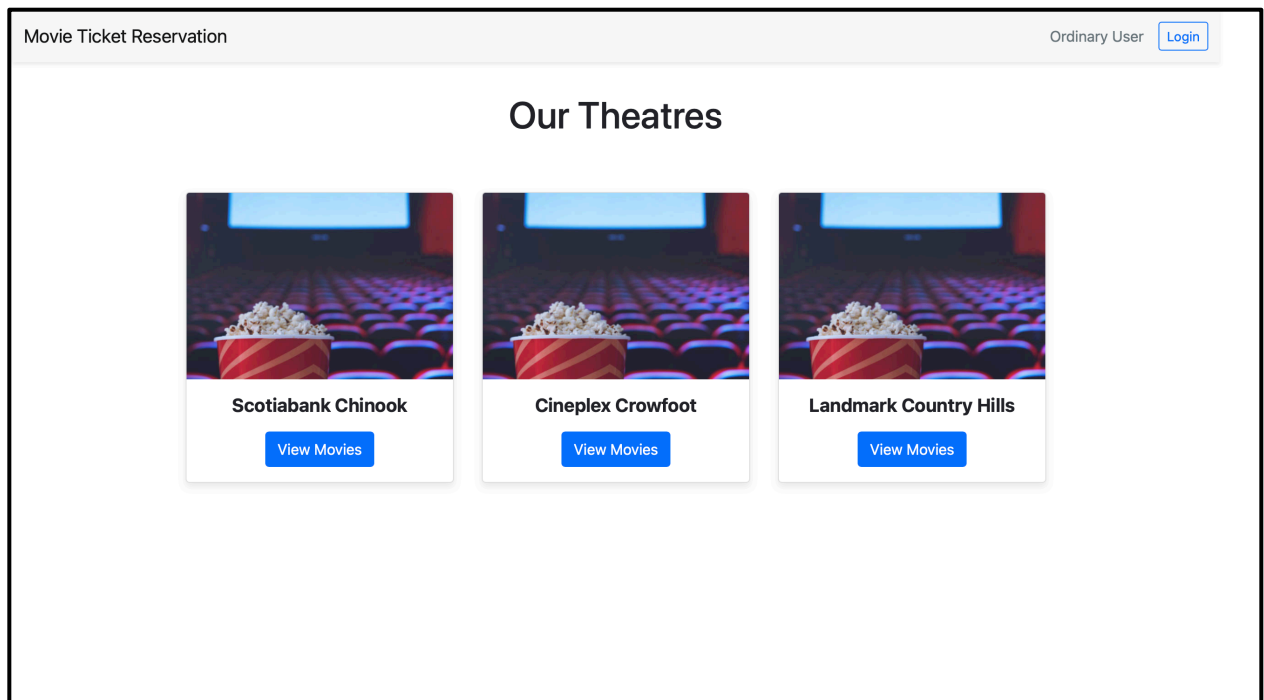


Figure 8

Step 8. Drop the acmeplex schema once finished testing. Figure 7.

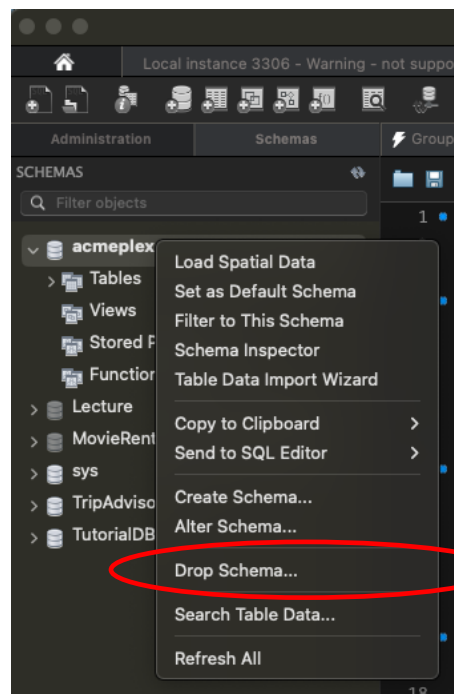


Figure 9

End