



Đồ án công nghệ phần mềm

ARCHITECTURE

Version 2.0



Phần mềm Zing Music

Phiên bản: 2.0

Đồ án công nghệ phần mềm

Ngày: 16/03/2024

Bảng ghi nhận thay đổi tài liệu

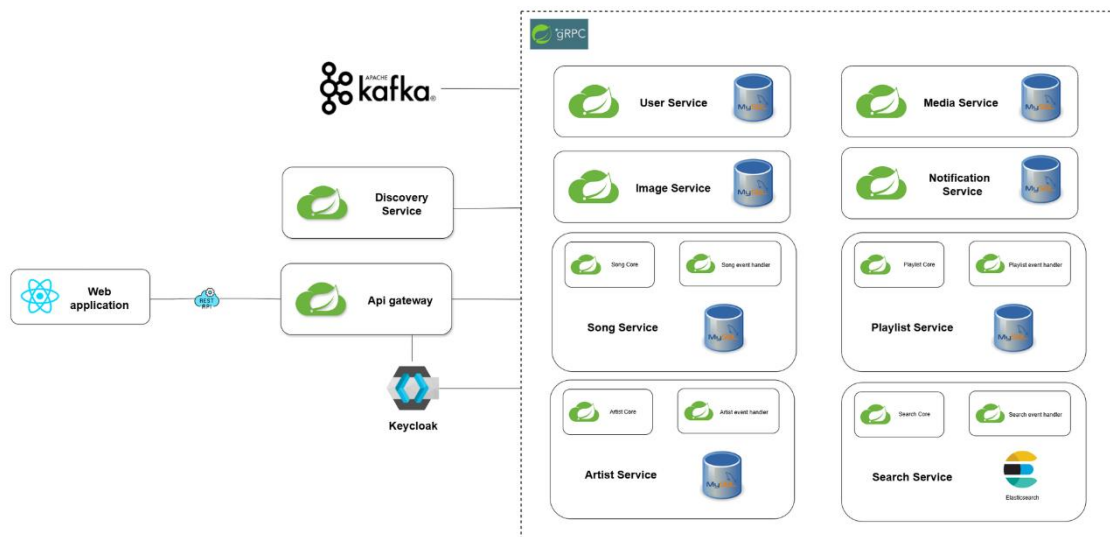
Ngày	Phiên bản	Mô tả	Người thay đổi
08/03/2024	1.0	Logical view, process view, development view, deployment view	Tâm
16/06/2024	2.0	Cập nhật Logical view, process view, development view, deployment view	Duy, Nghĩa, Tâm, Đăng



Mục lục

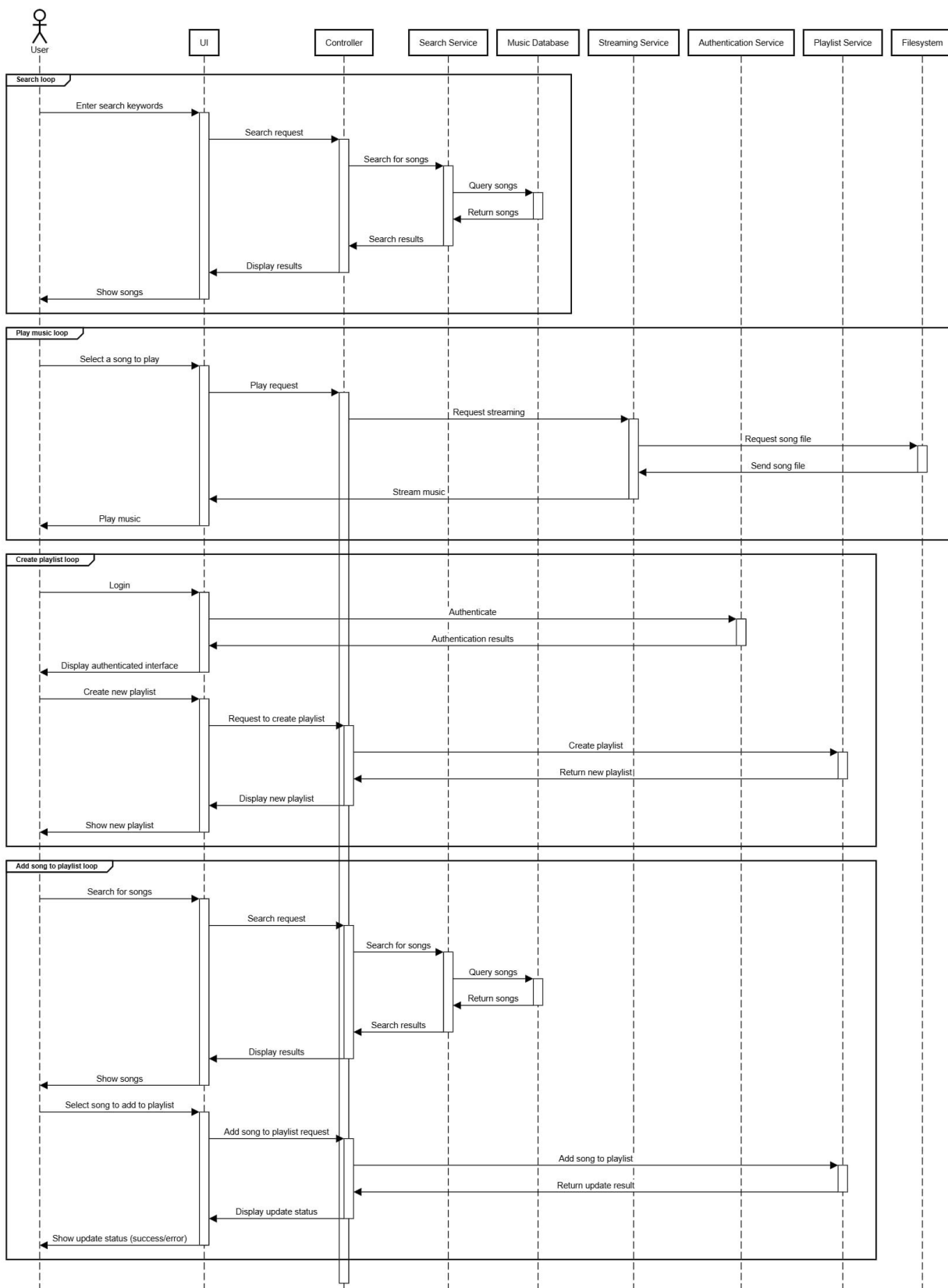
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Process view của nghe nhạc	3
Developer view	5
Deployment view	38

Logical View



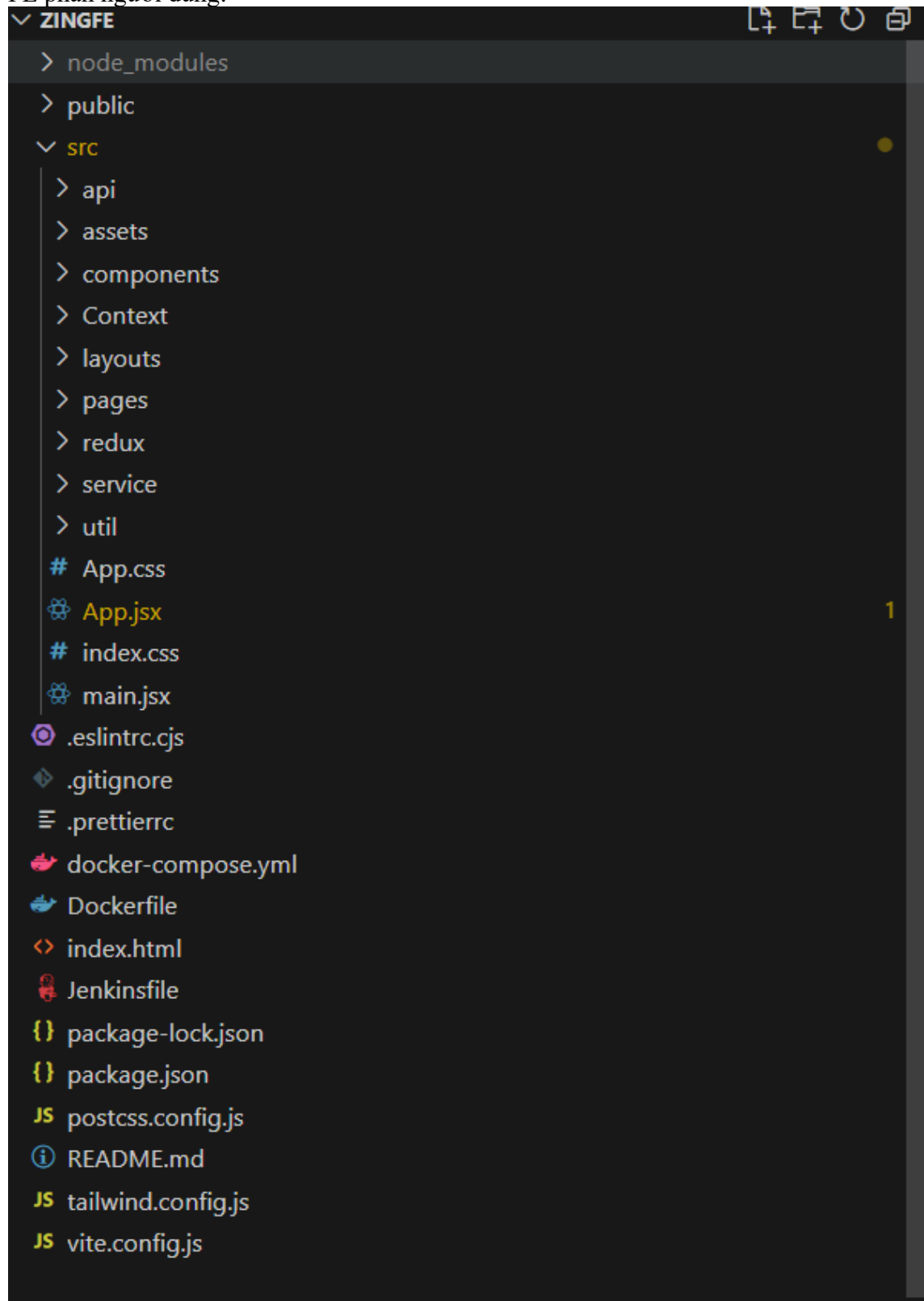
Process view

Process View

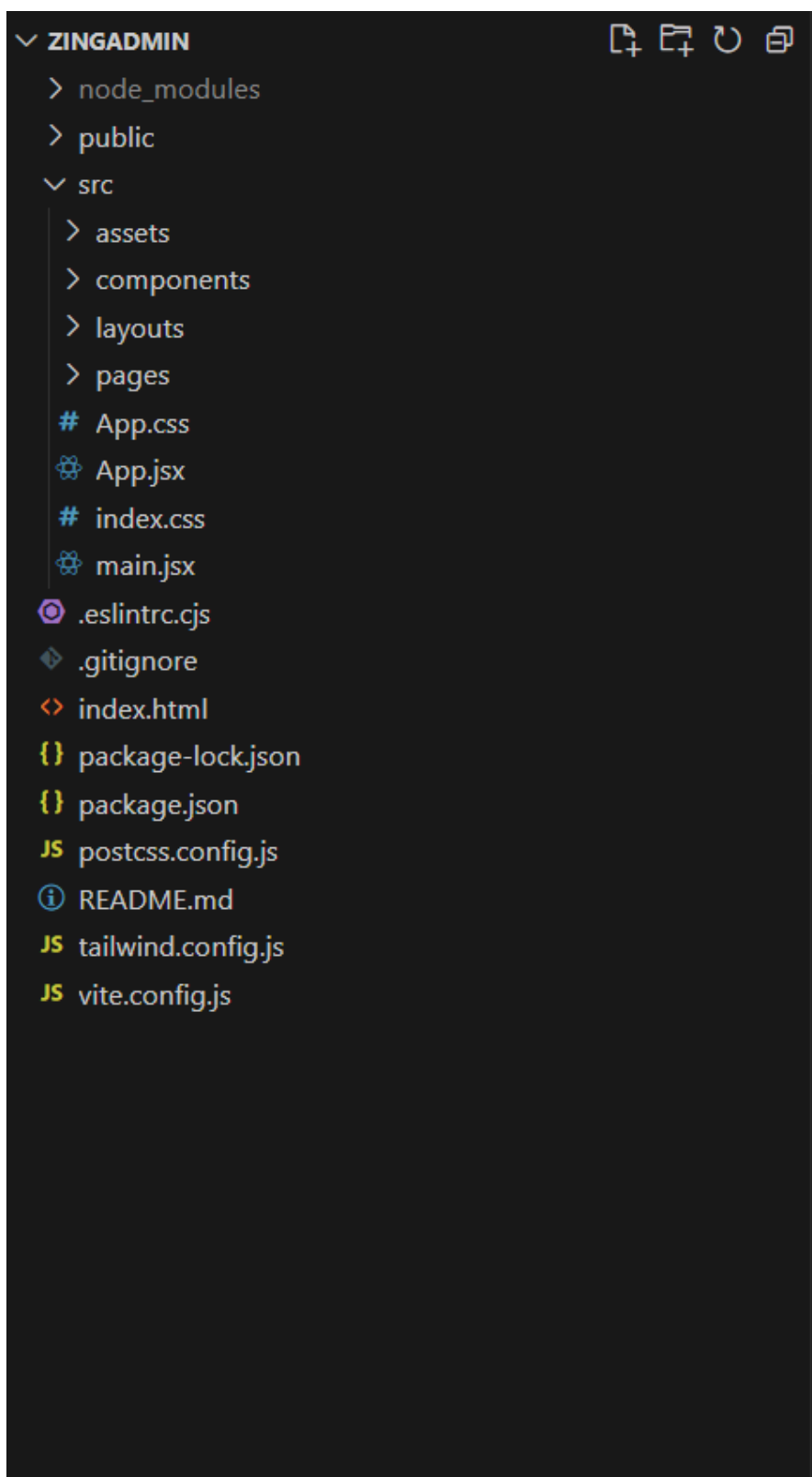


Developer view

FE phần người dùng:



FE phần admin:



Tổng quát BE:

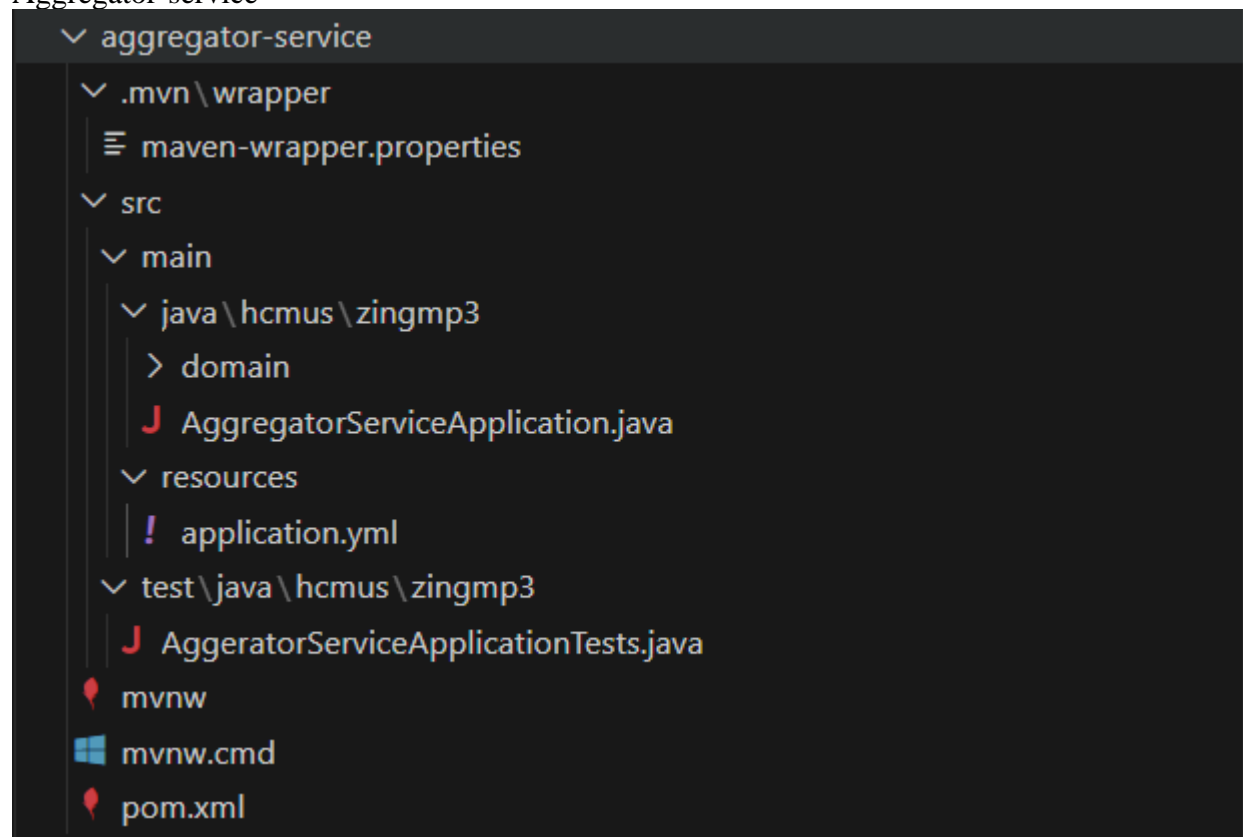


▼ ZINGMP3BE

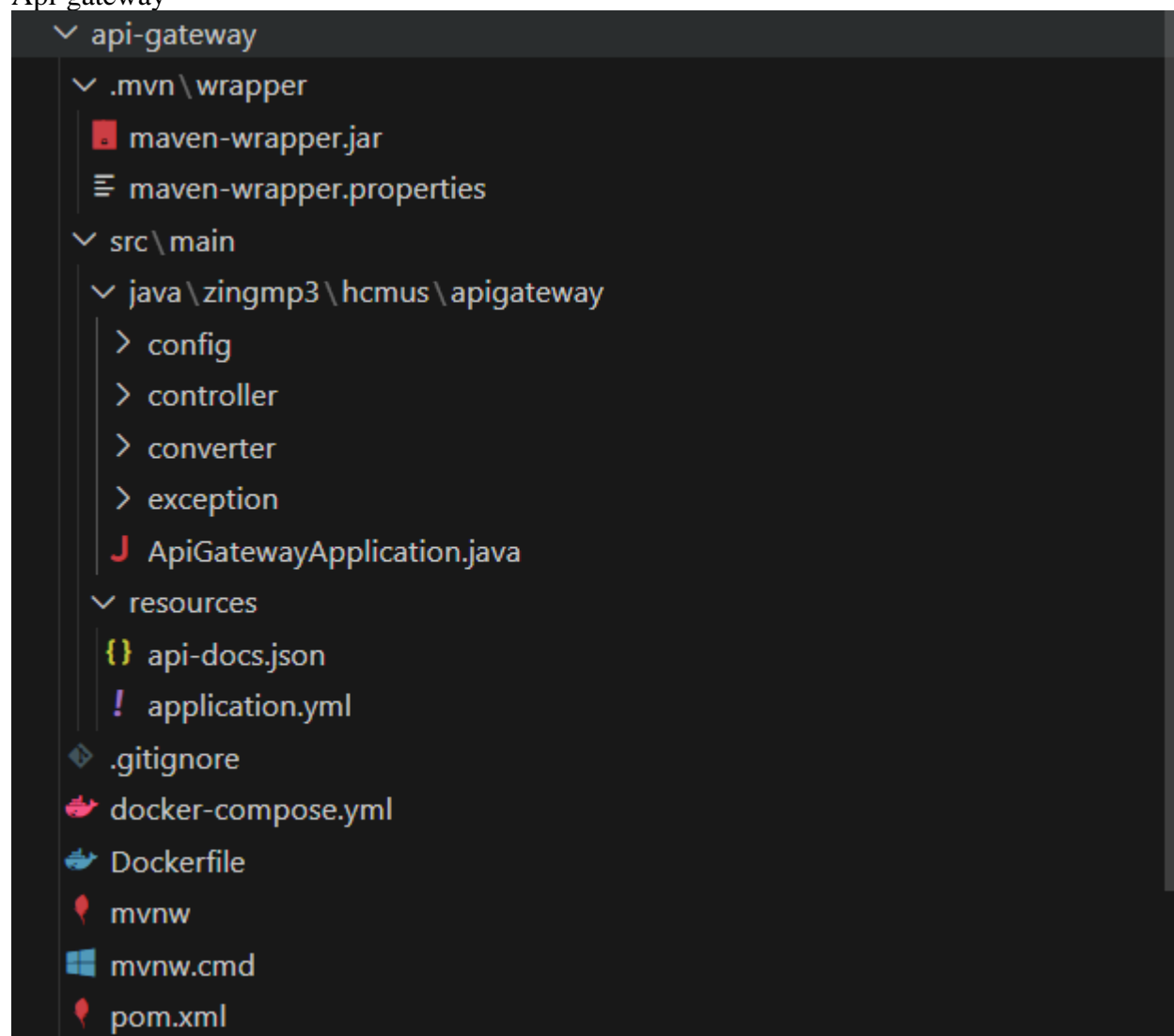
- > aggregator-service
- > api-gateway
- > artist-service
- > clone-data
- > delete
- > discovery-service
- > generate-sources
- > http
- > image-service
- > init
- > media-service
- > notification-service
- > playlist-service
- > search-service
- > song-service
- > user-service
- ◆ .gitattributes
- ◆ .gitignore
- 🐳 docker-compose.yml
- 👤 Jenkinsfile
- 📌 pom.xml
- 📖 readme.md
- ☰ realms



Aggregator-service



Api-gateway

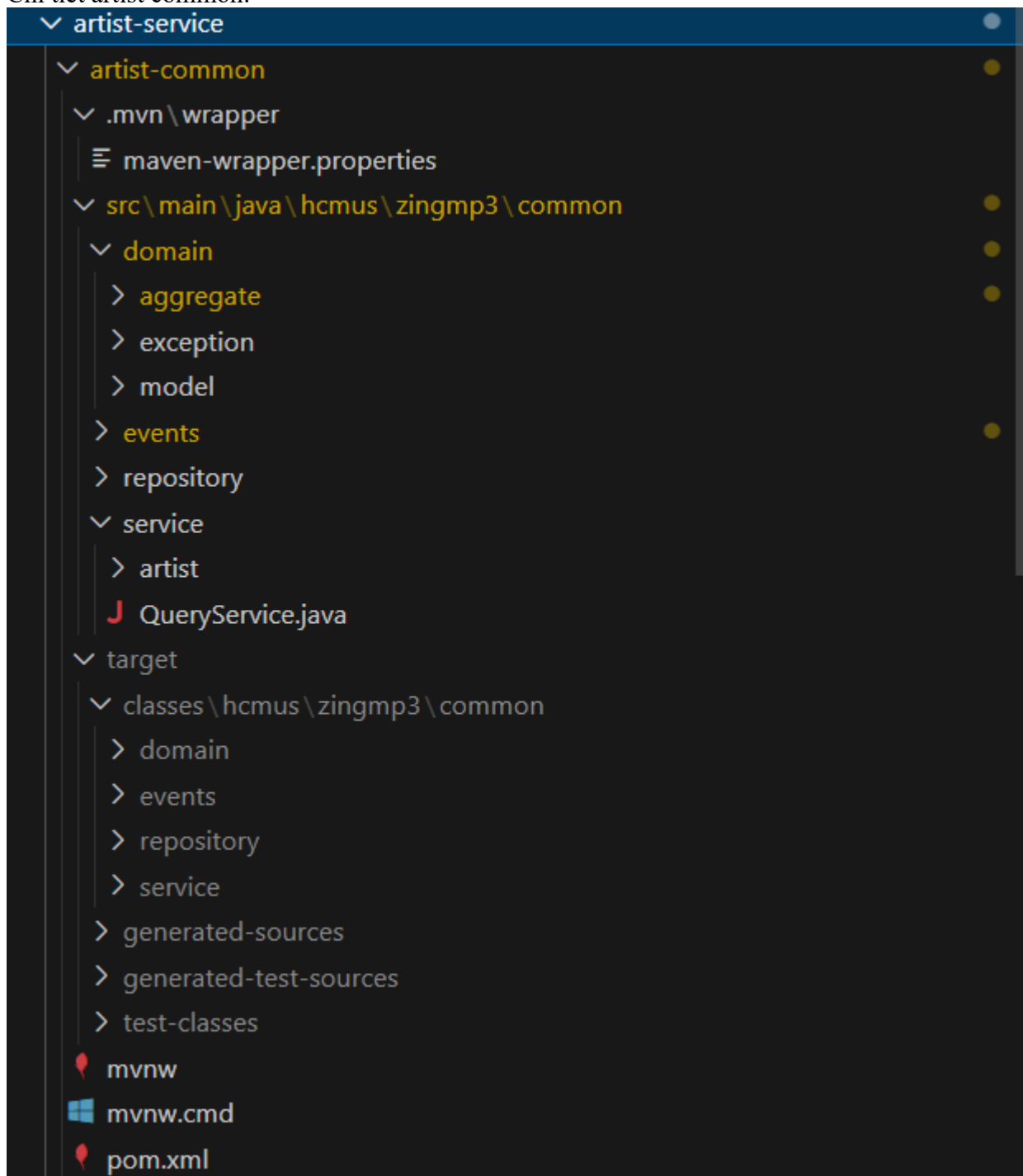


Tổng quan artist service:



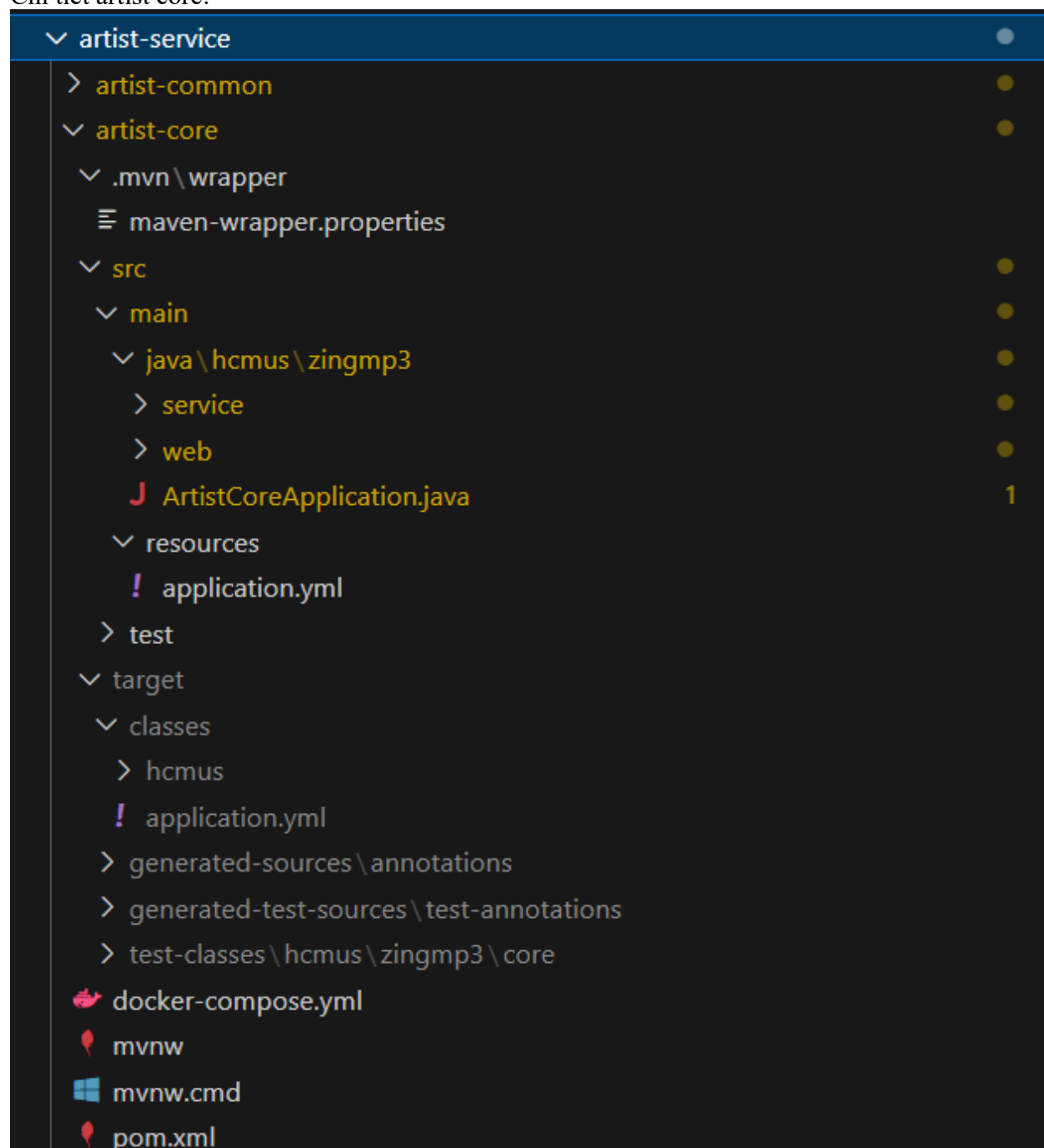


Chi tiết artist common:

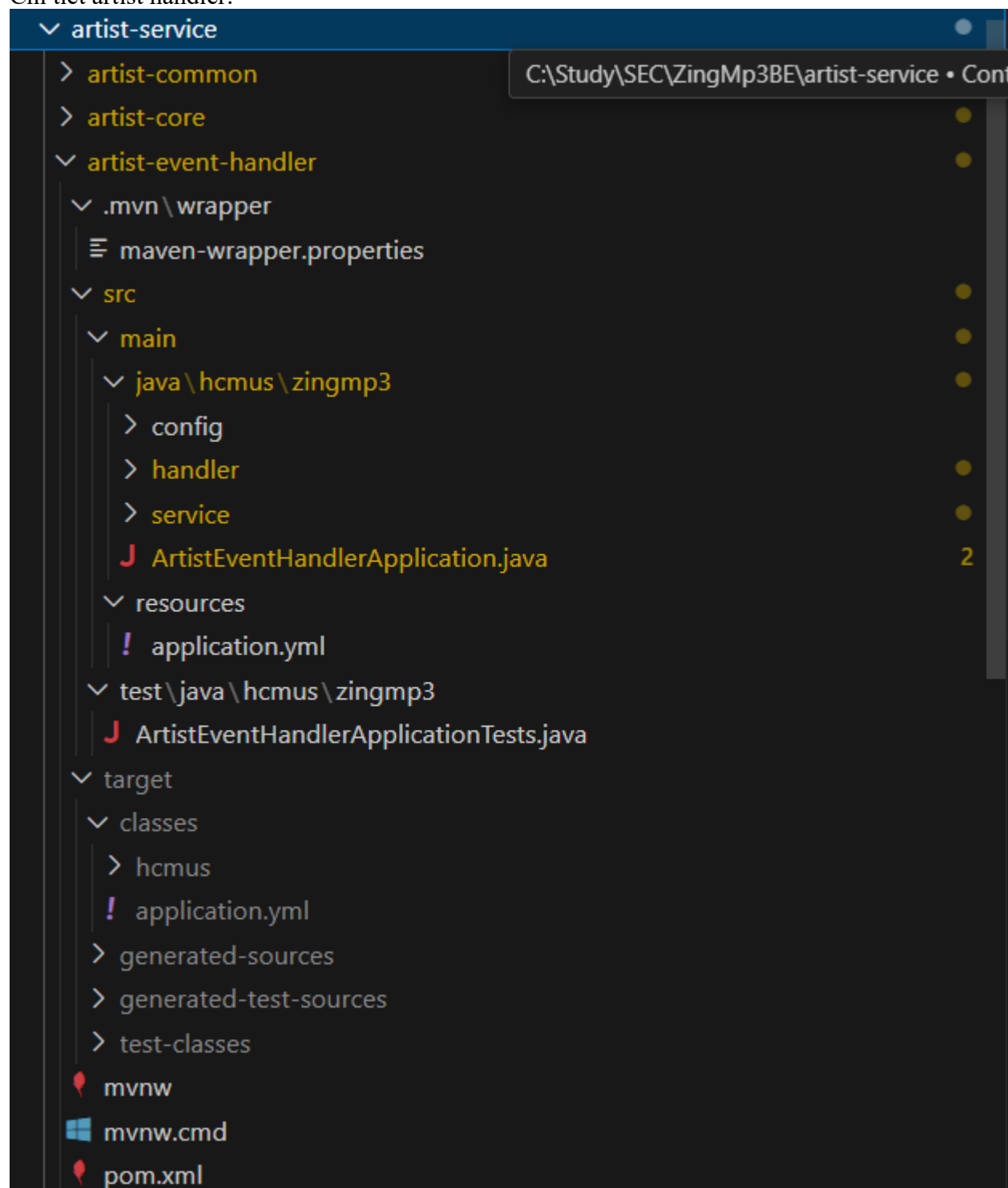




Chi tiết artist core:

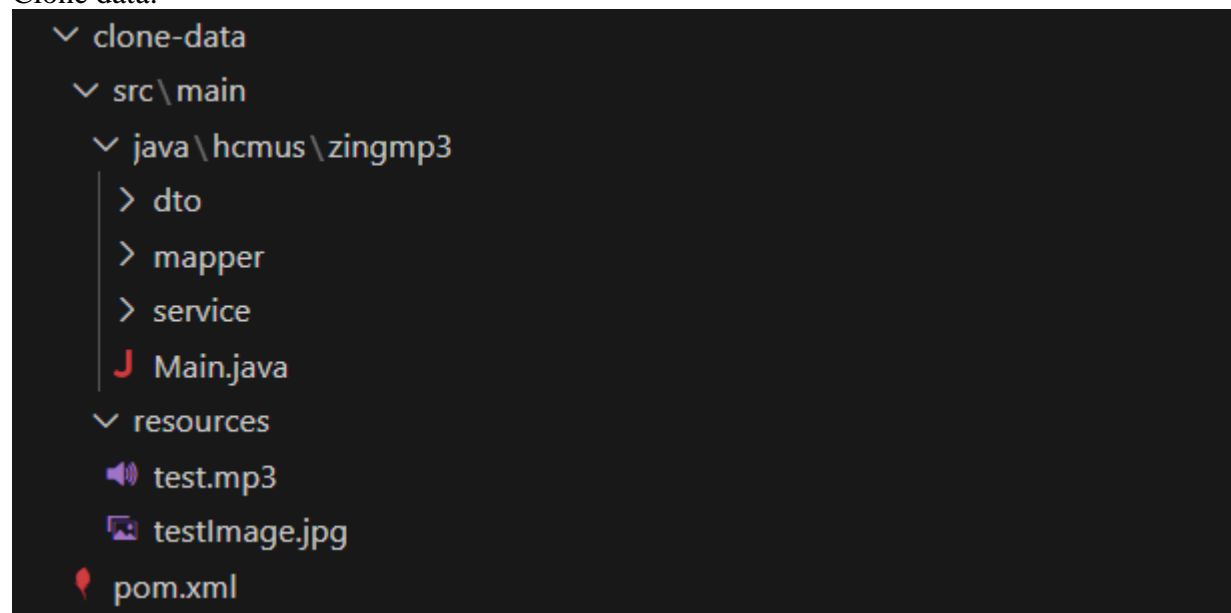


Chi tiết artist handler:





Clone data:

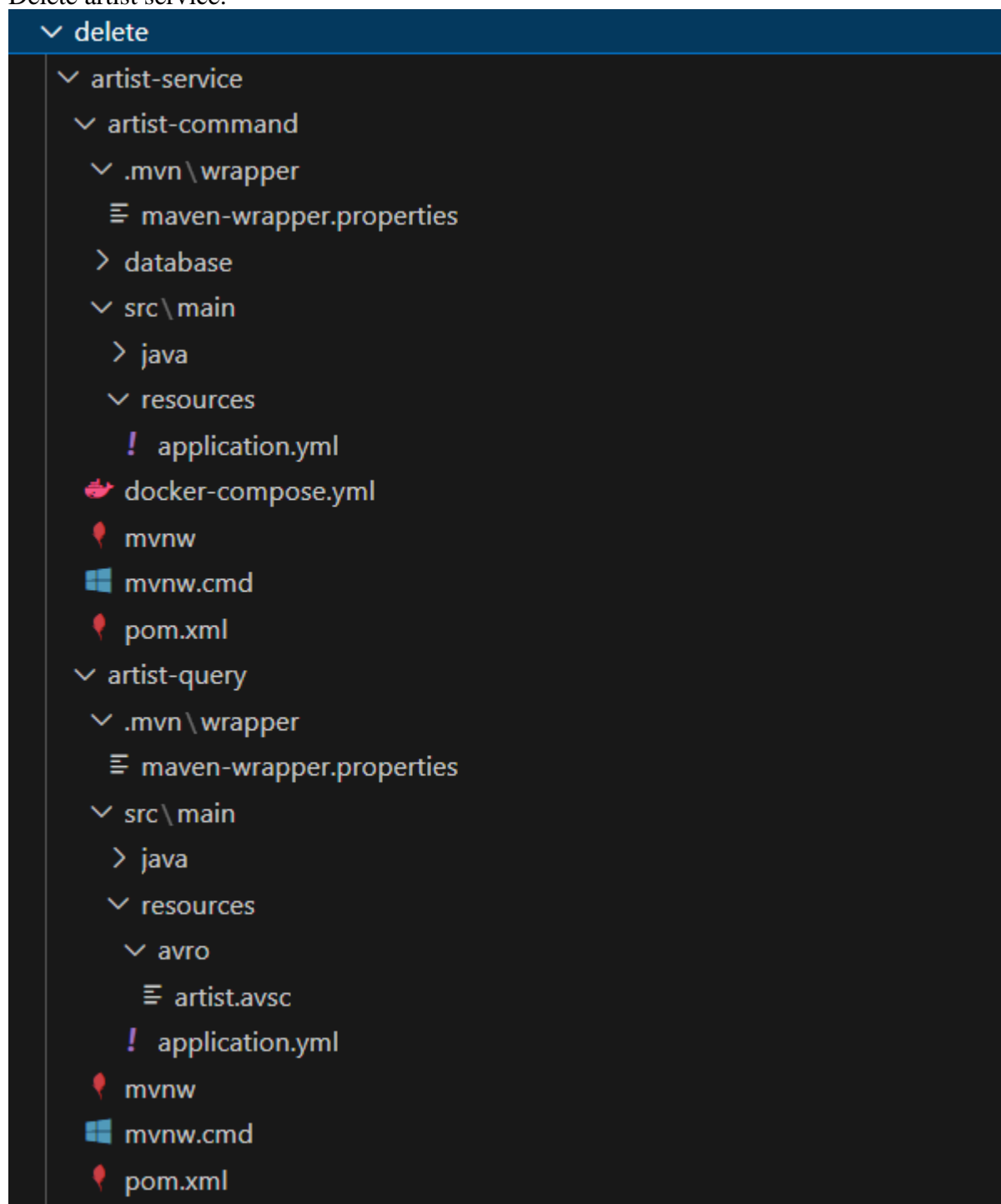




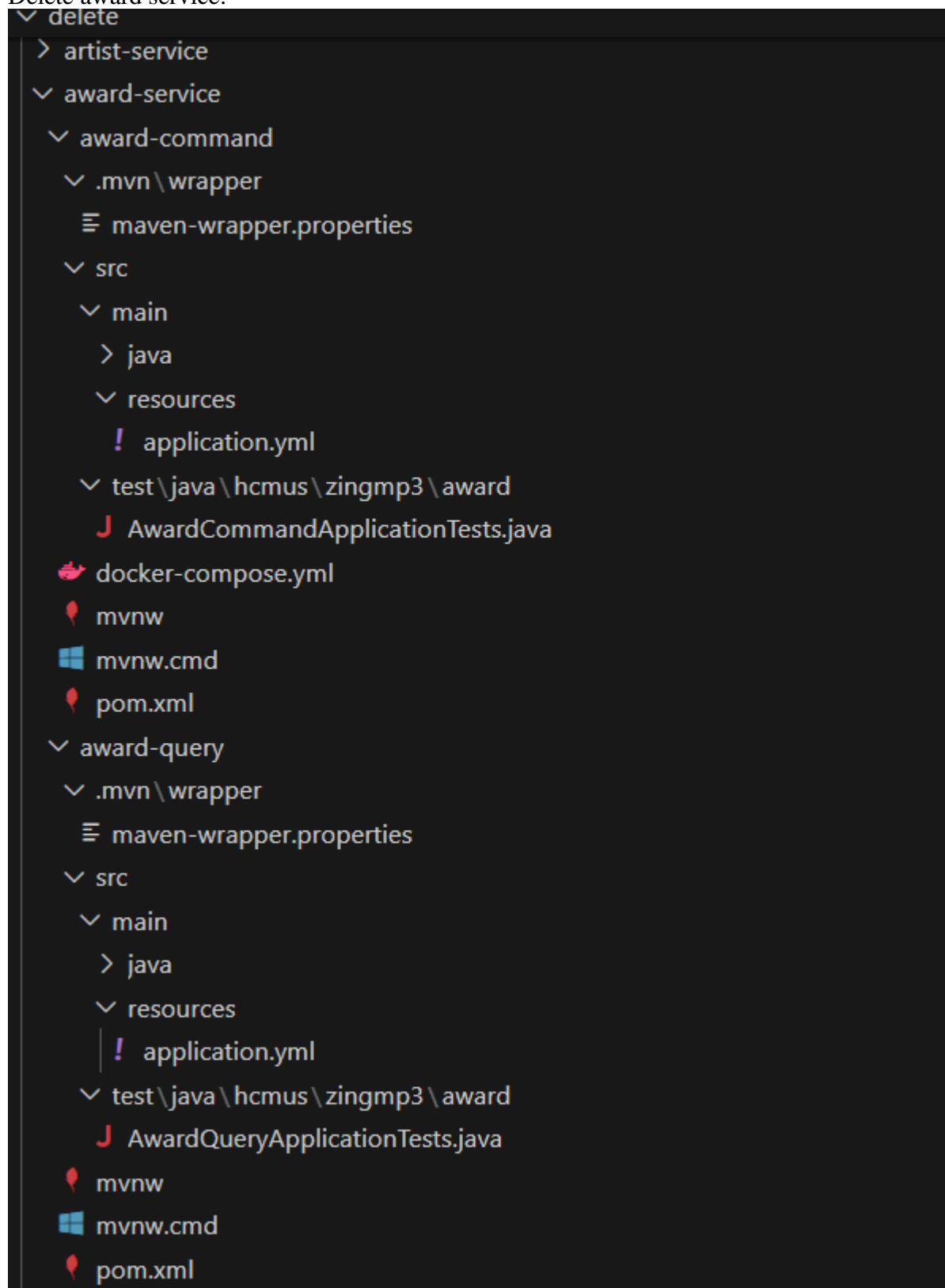
Tổng quan delete:

- ✓ delete
 - > artist-service
 - > award-service
 - > content-delivery-service
 - > data-service
 - > genre-service
 - > music-command-service
 - > music-query-service
 - > music-service
 - > song-service

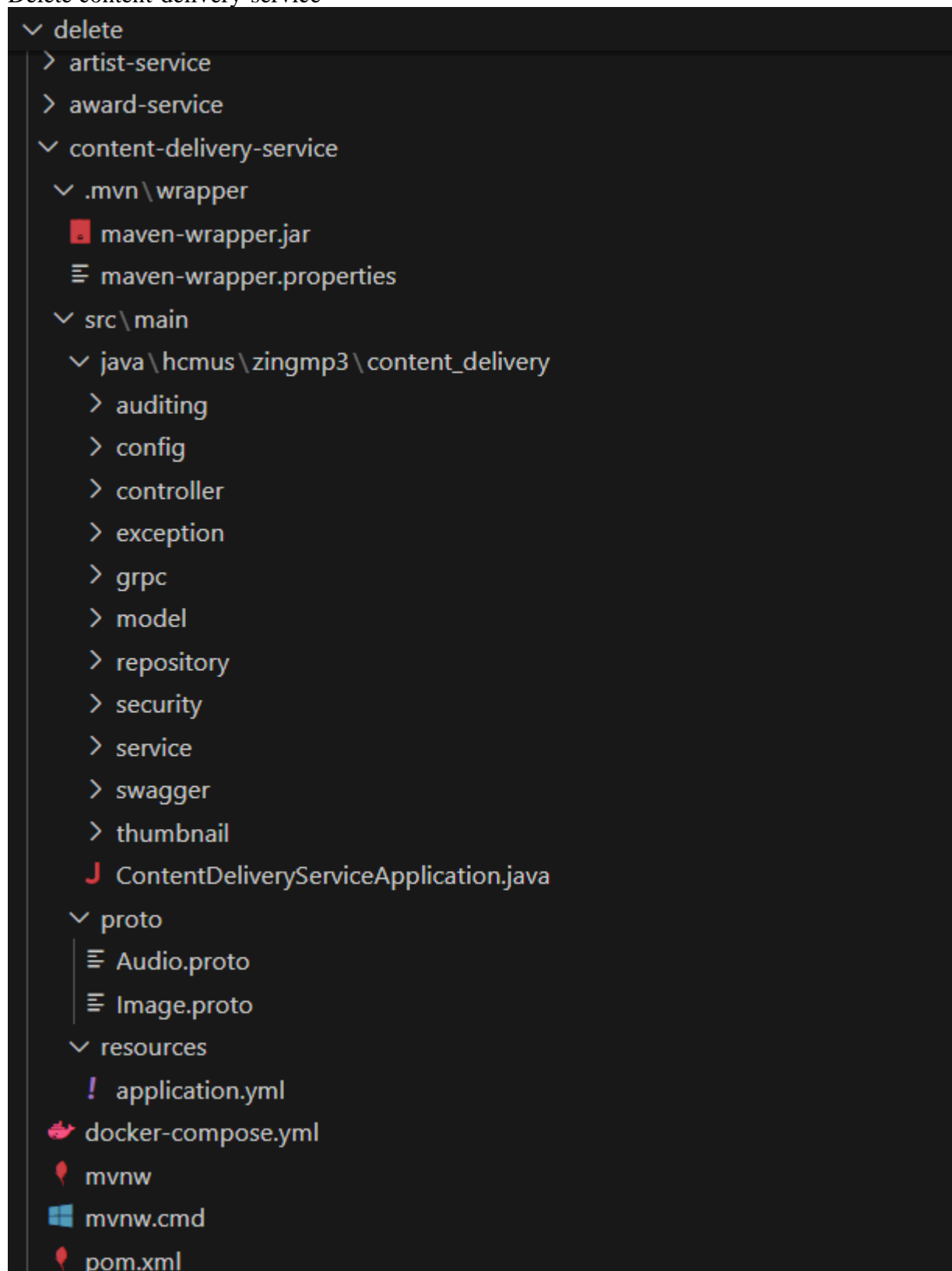
Delete artist service:



Delete award service:

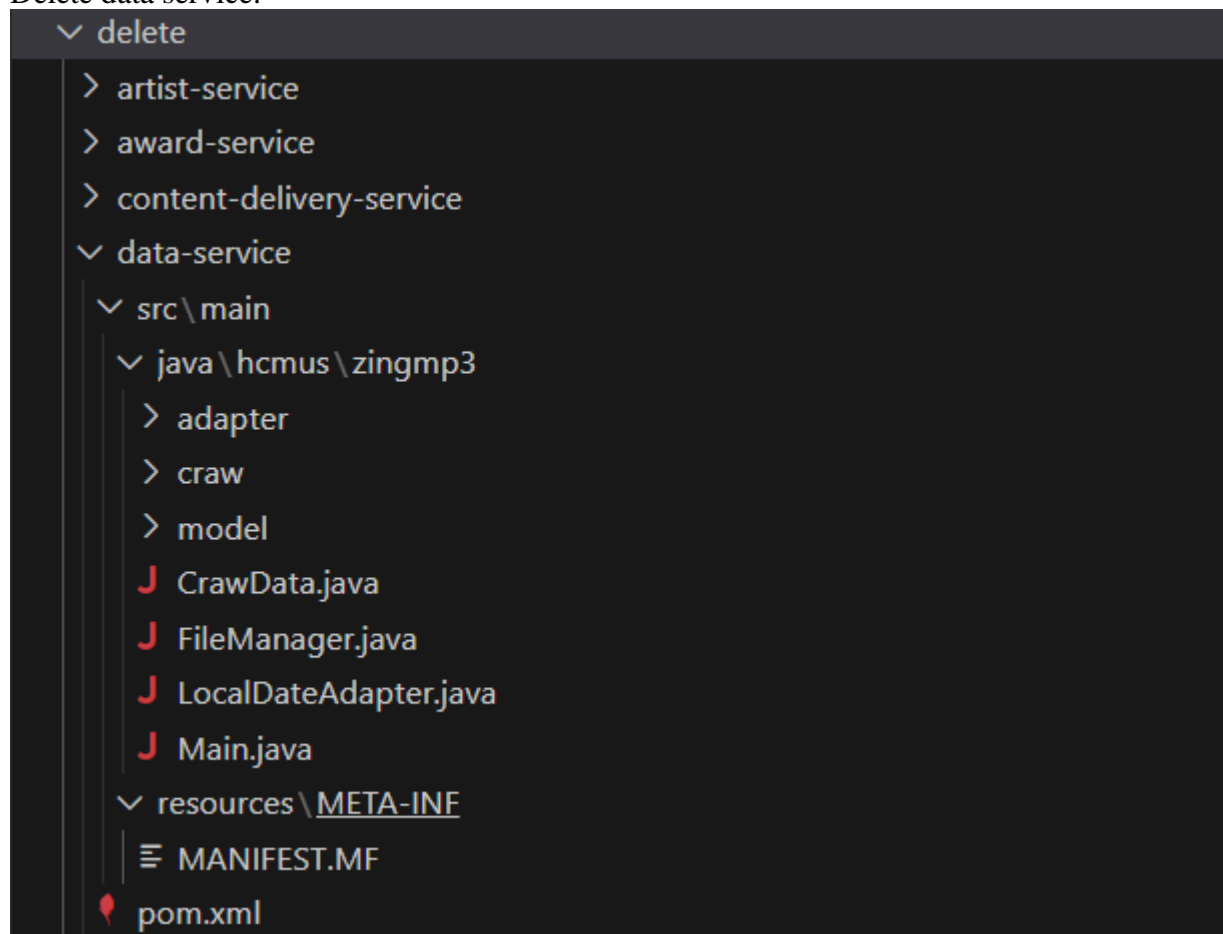


Delete content-delivery-service



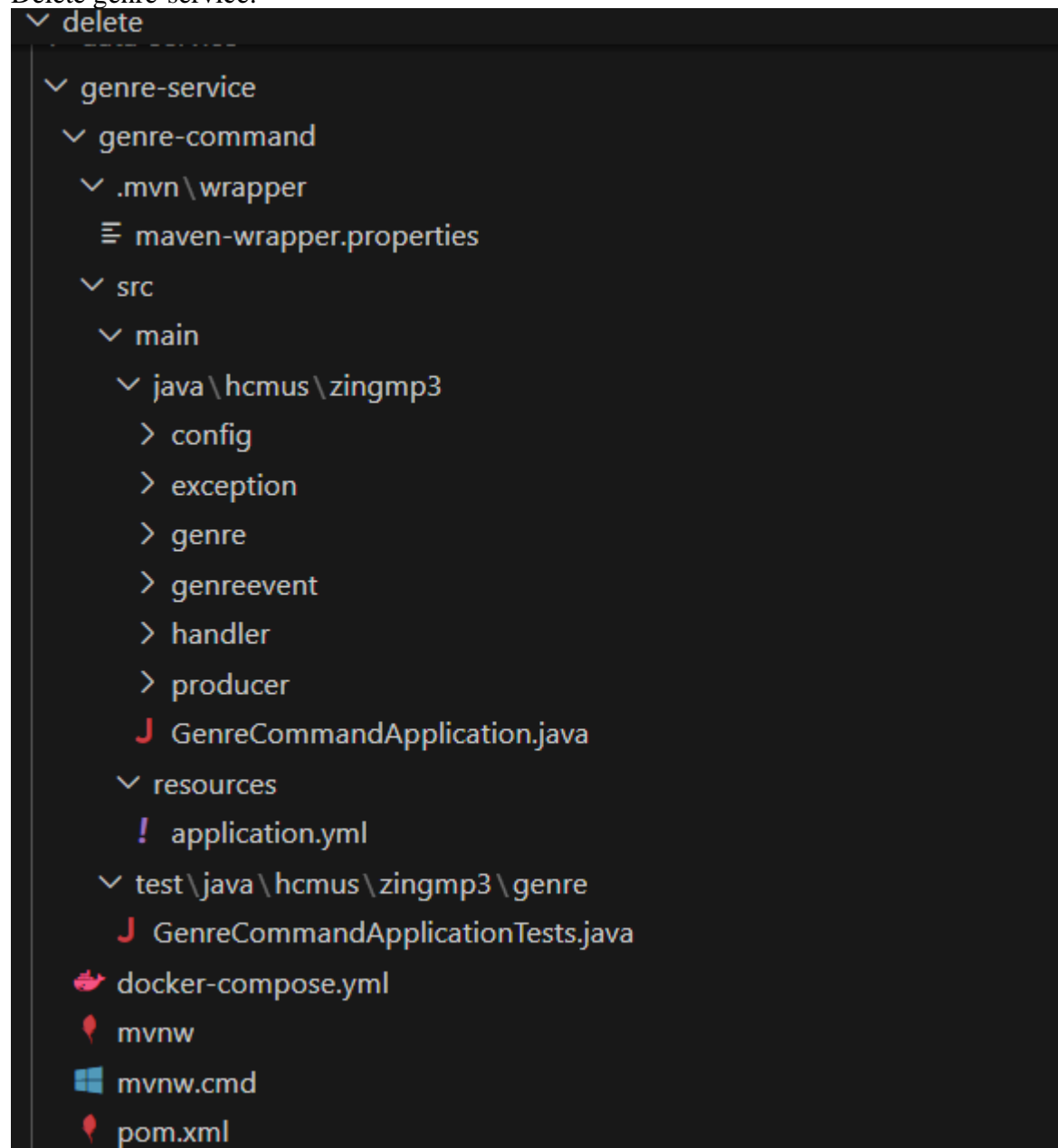


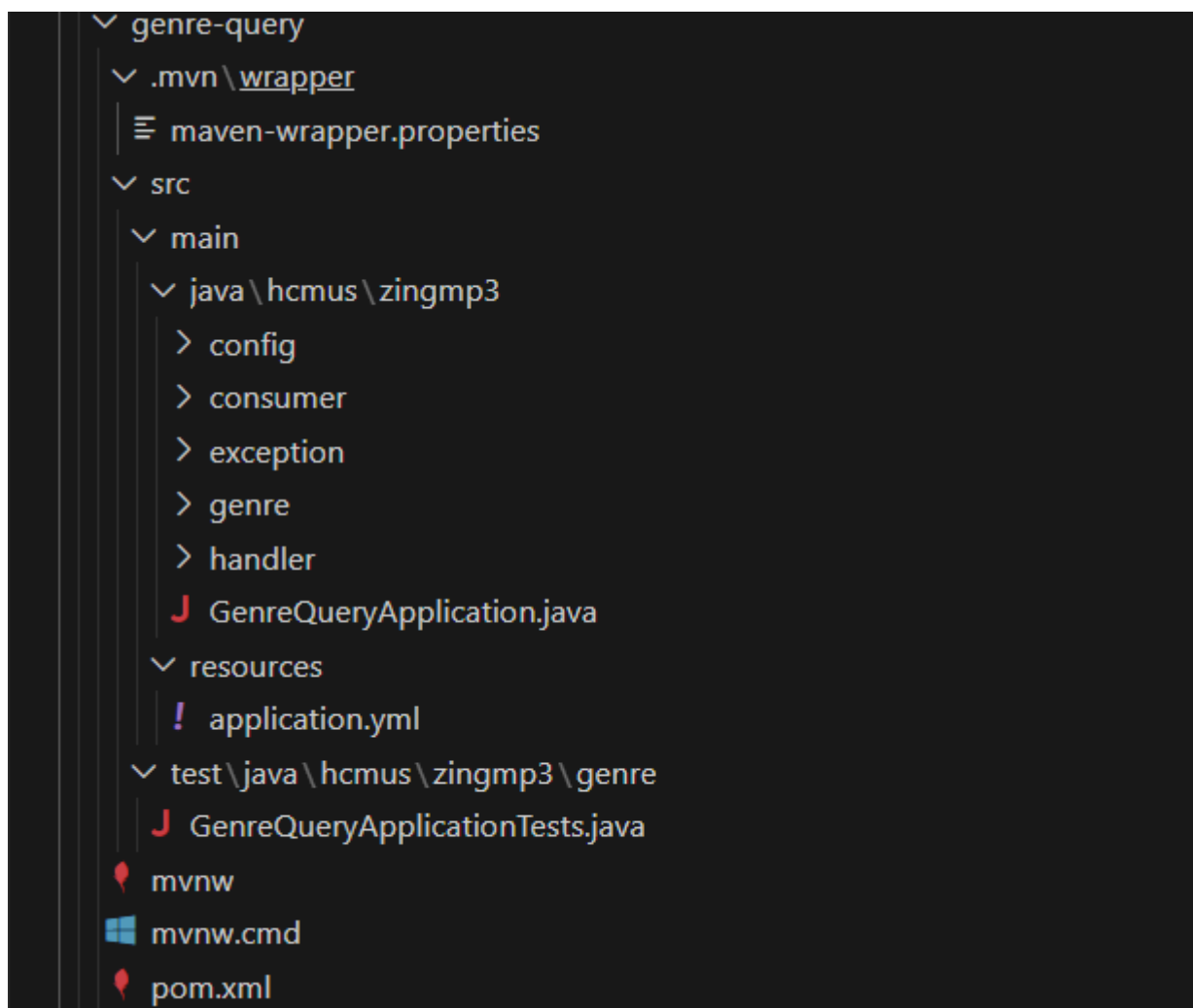
Delete data service:



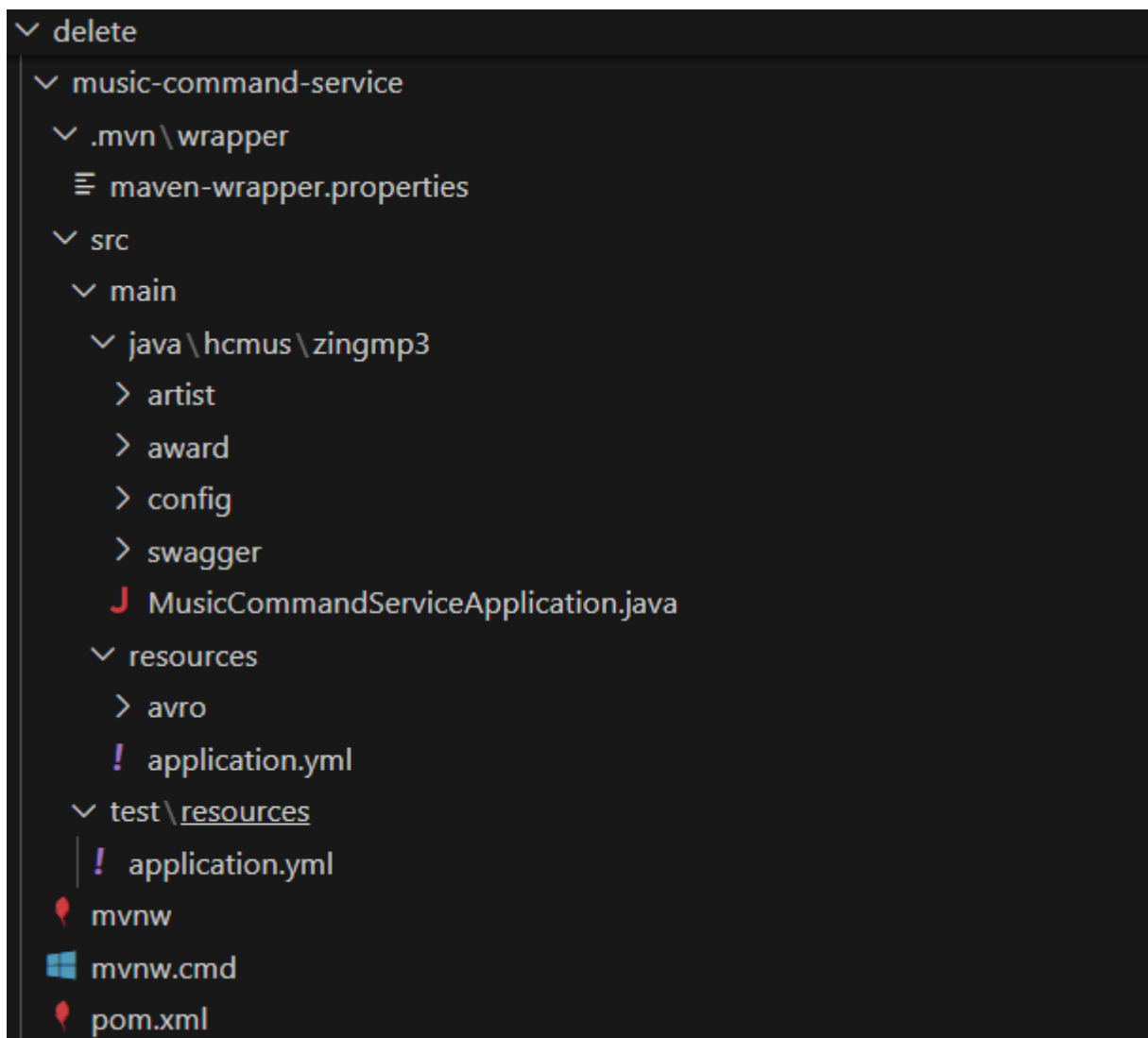


Delete genre-service:

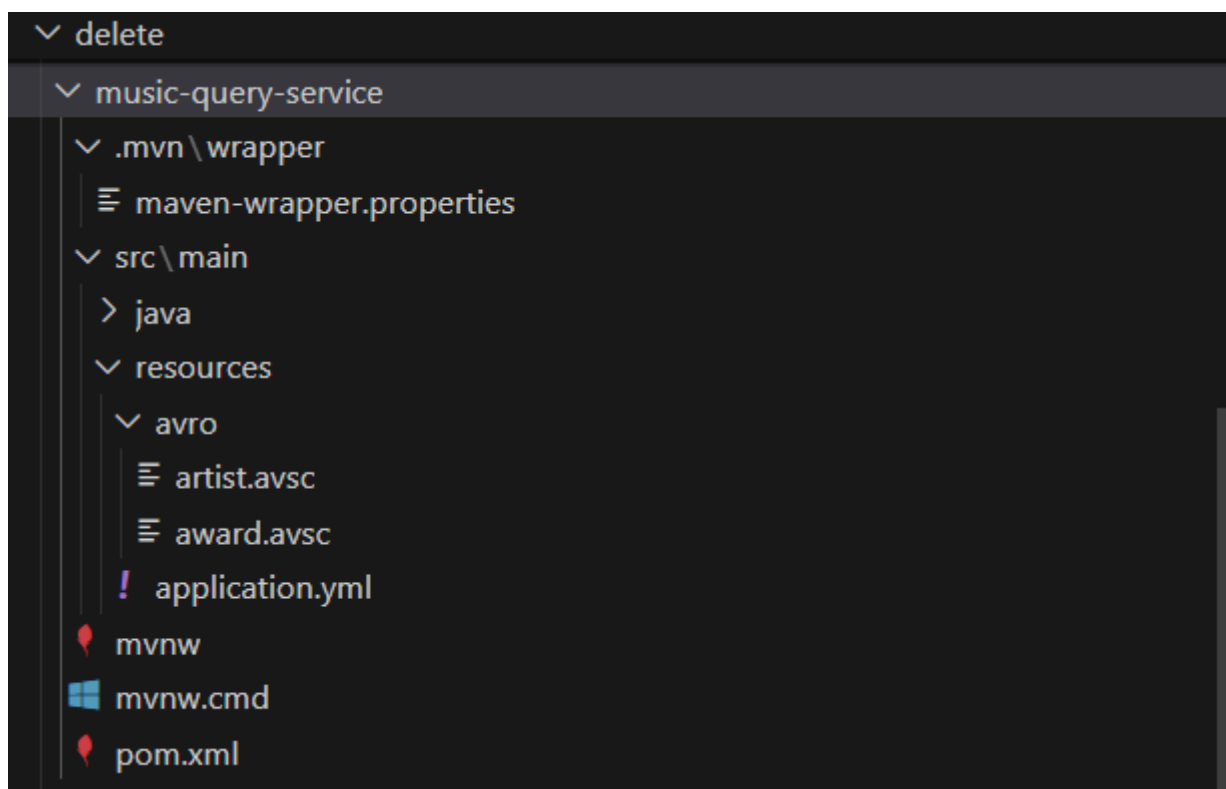




Delete music command service:

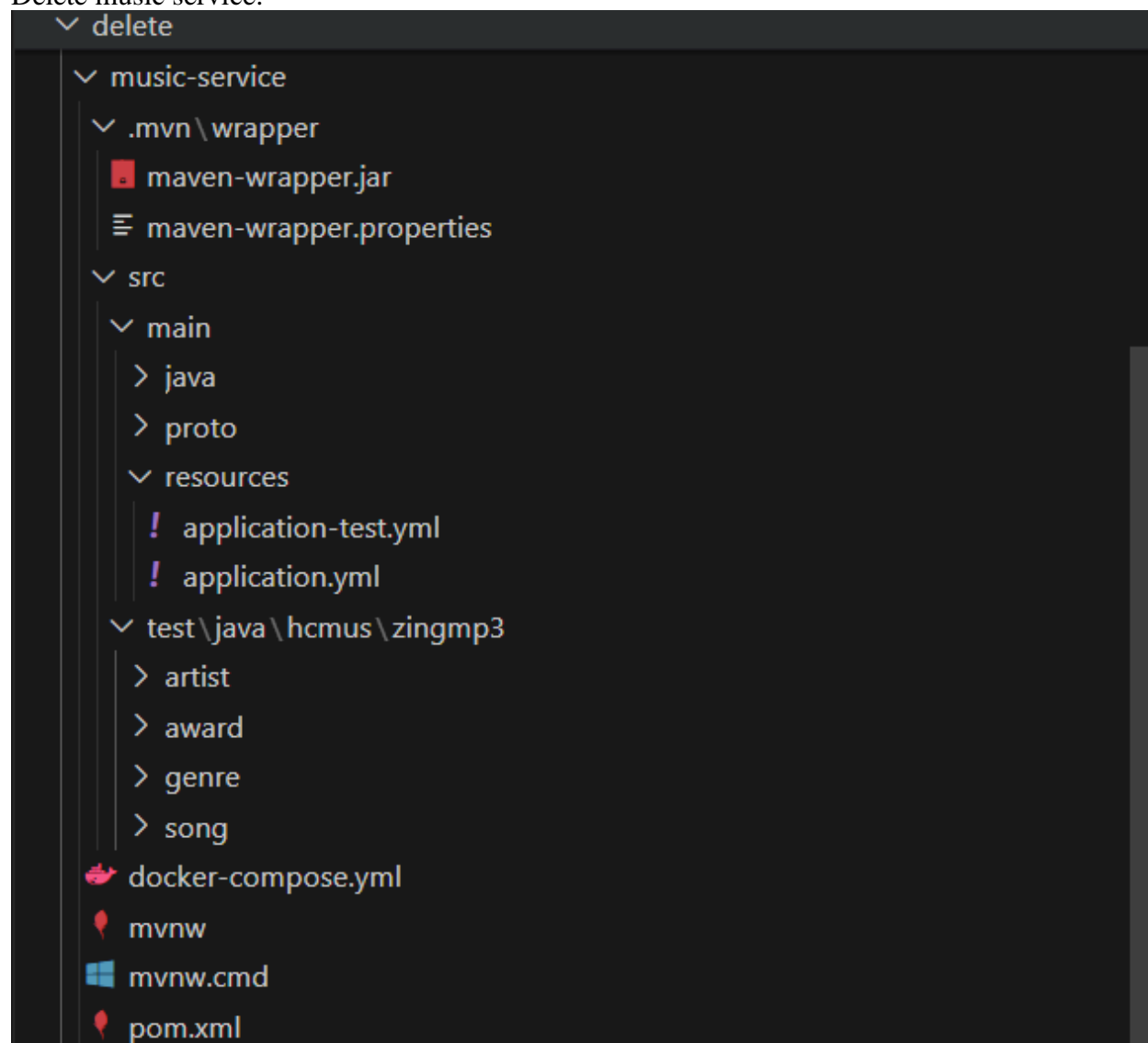


Delete music-query service:

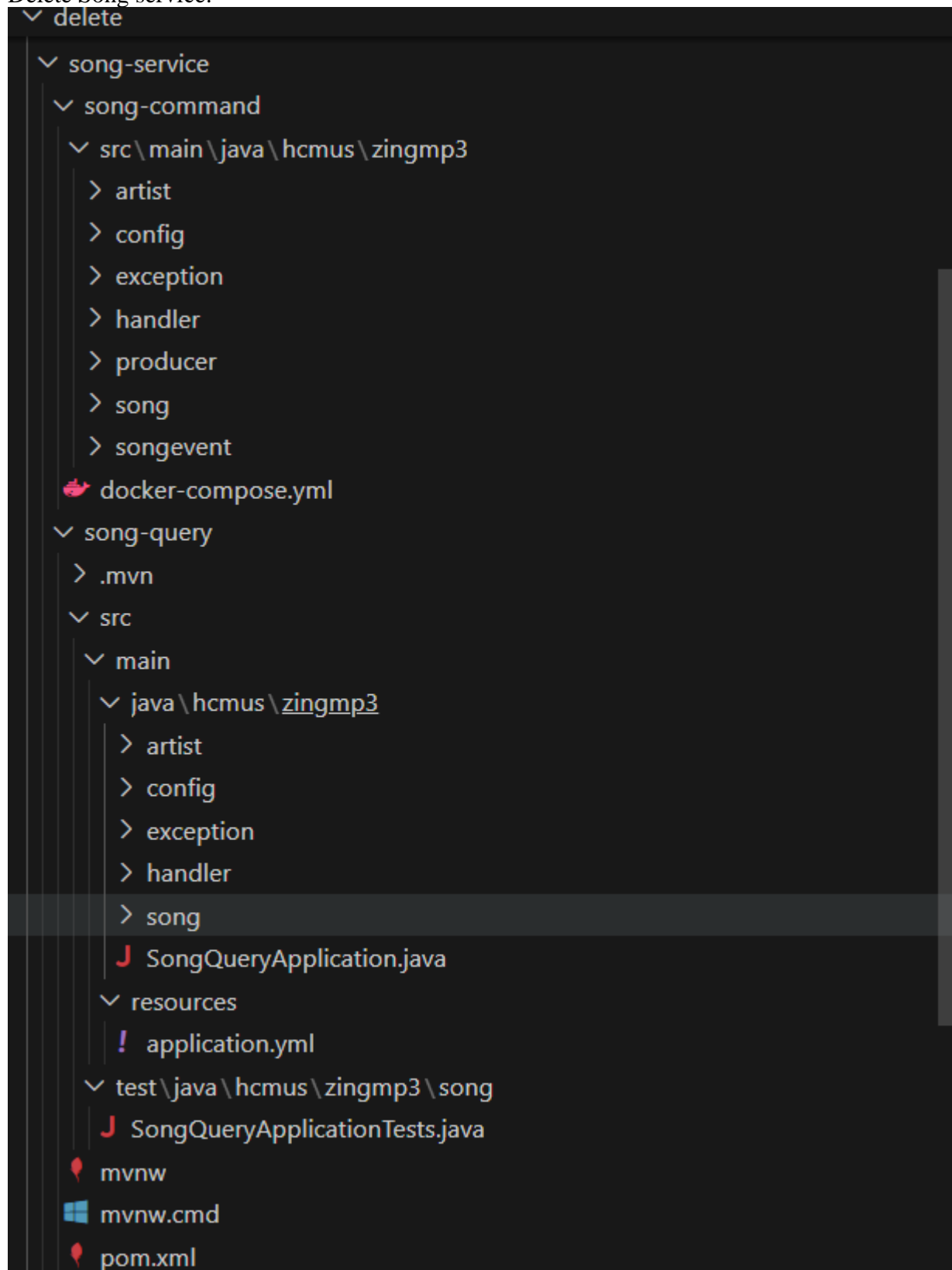




Delete music service:



Delete Song service:





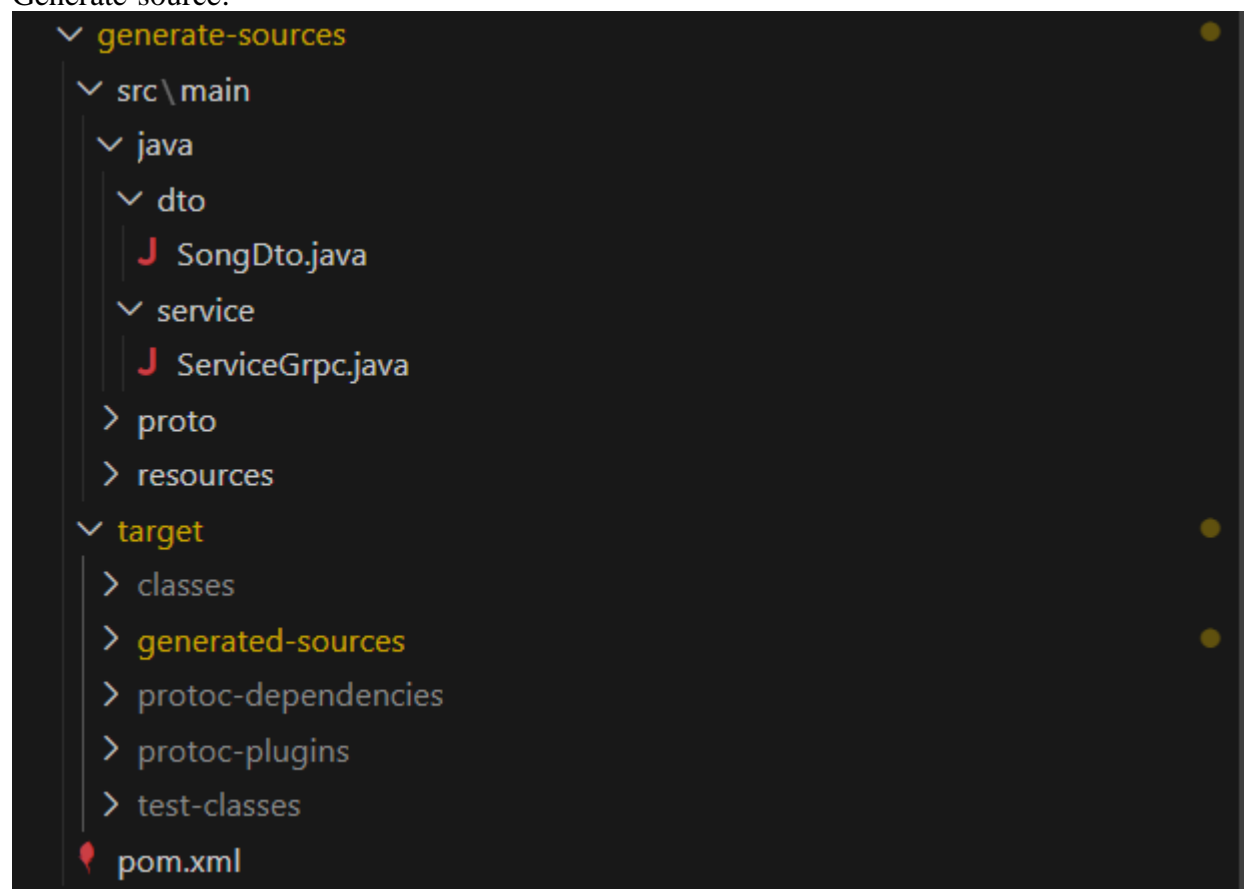
Discovery service:

```

  discovery-service
  > .mvn
  src\main
    java\zingmp3\hcmus\discovery-service
      DiscoveryServiceApplication.java
    resources
      ! application.yml
  target
    classes
      > zingmp3
      ! application.yml
      > test-classes
  .gitignore
  docker-compose.yml
  Dockerfile
  mvnw
  mvnw.cmd
  pom.xml
```



Generate-source:



http:

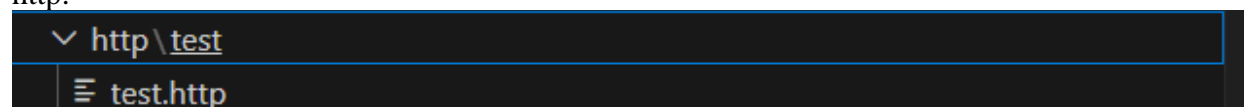
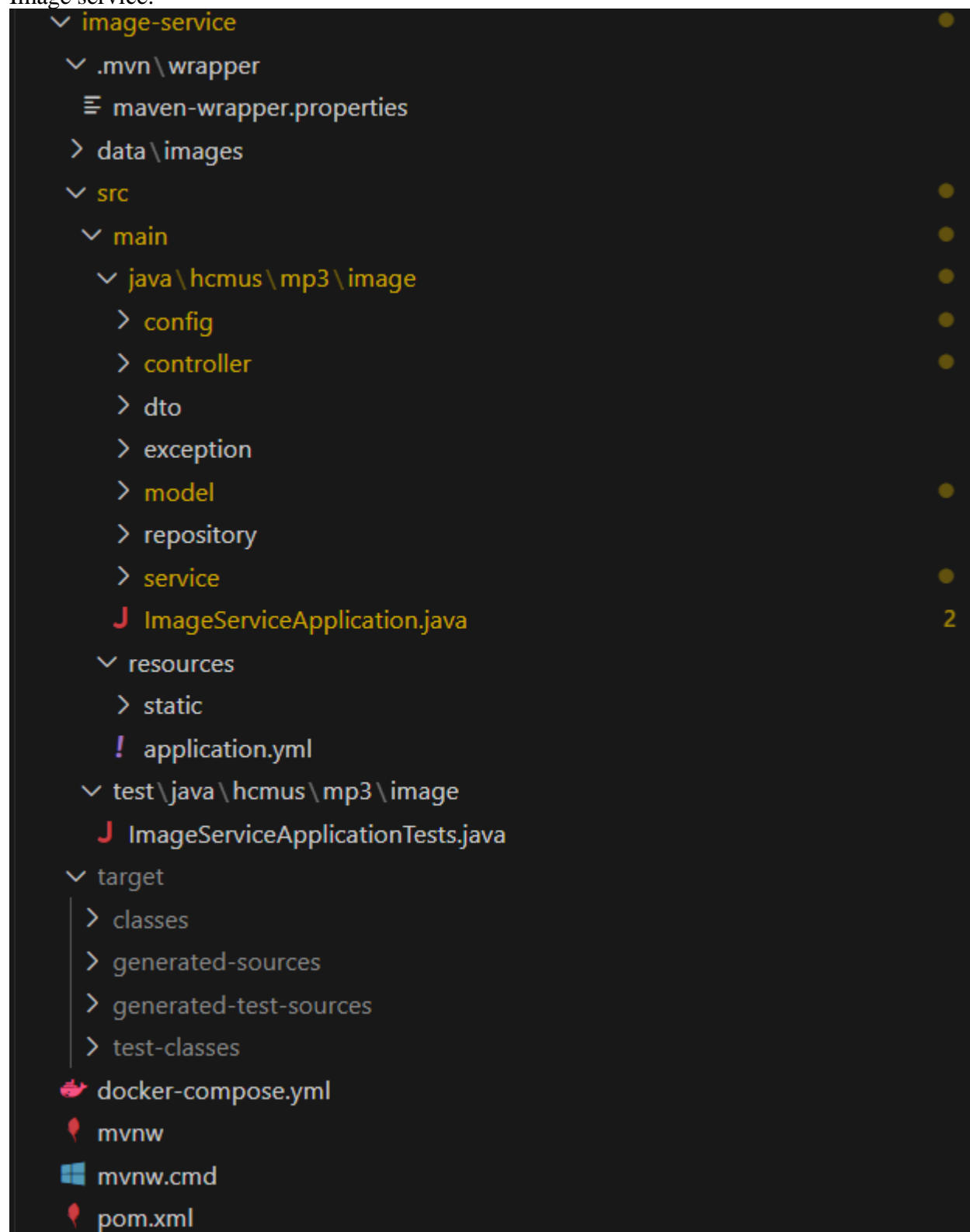


Image service:





Init:

```
▼ init
  ▼ elastic-search
    🐳 docker-compose.yml
  ▼ jenkins
    🐳 docker-compose.yml
  ▼ kafka-installation
    🐳 docker-compose.yml
  ▼ keycloak
    ▼ realms
      | {} keycloak.json
    🐳 docker-compose.yml
    ⓘ readme.md
    🐳 docker-compose.yml
```

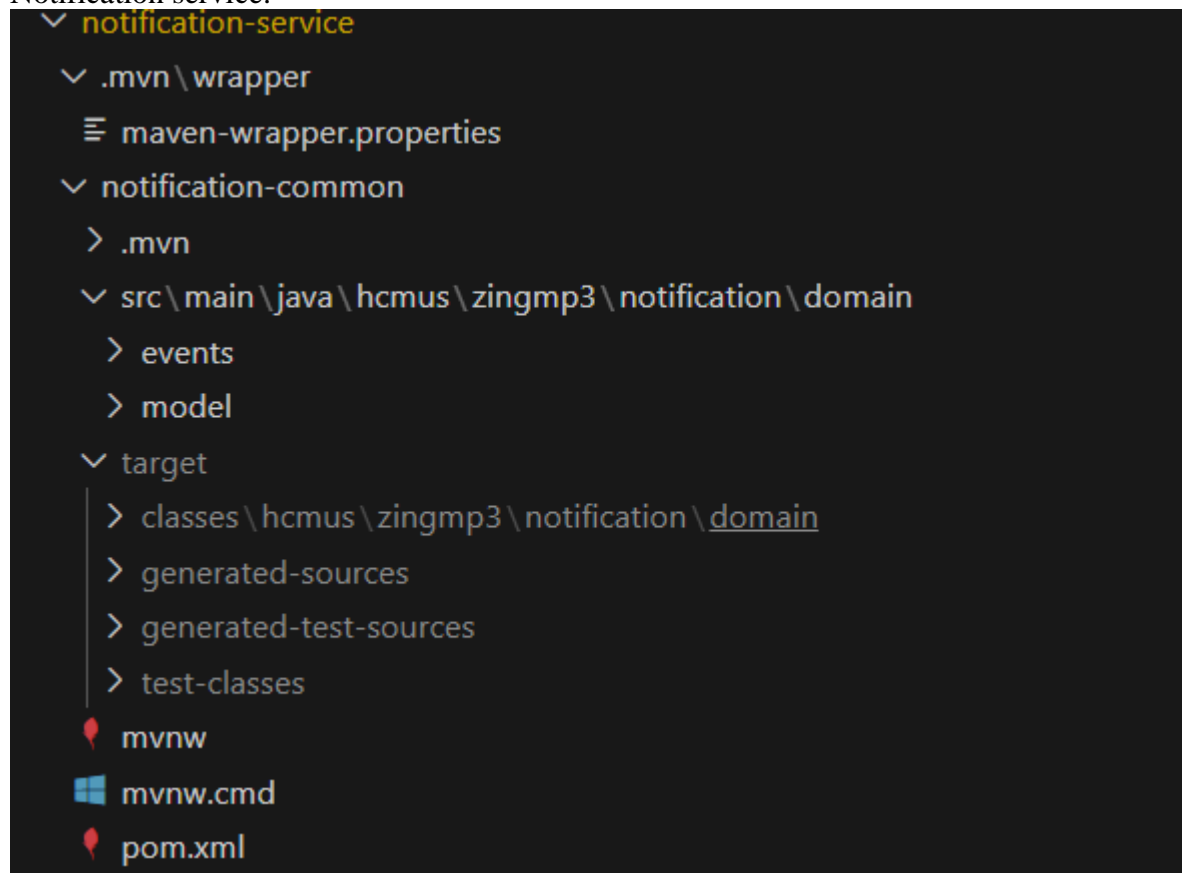


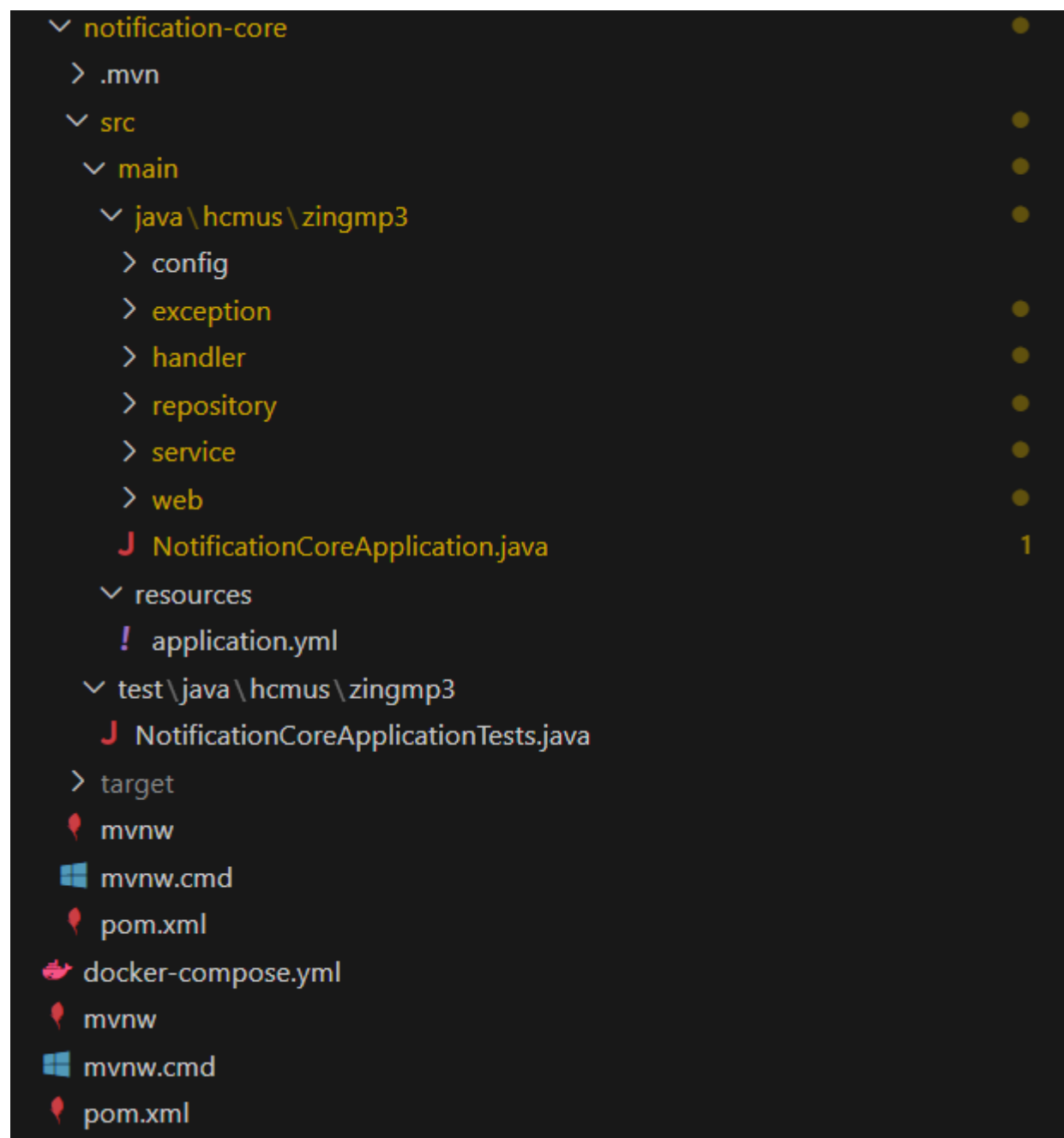
Media service:

```
▼ media-service
  ▼ .mvn\wrapper
    ≡ maven-wrapper.properties
  ▼ src
    ▼ main
      ▼ java\hcmus\mp3
        > domain
        > repository
        > service
        > web
      J MediaServiceApplication.java
    ▼ resources
      ! application.yml
    ▼ test\java\hcmus\mp3
      J MediaServiceApplicationTests.java
  ▼ target
    > classes
    > generated-sources
    > generated-test-sources
    > test-classes
  🐳 docker-compose.yml
  📍 mvnw
  🪟 mvnw.cmd
  📍 pom.xml
```

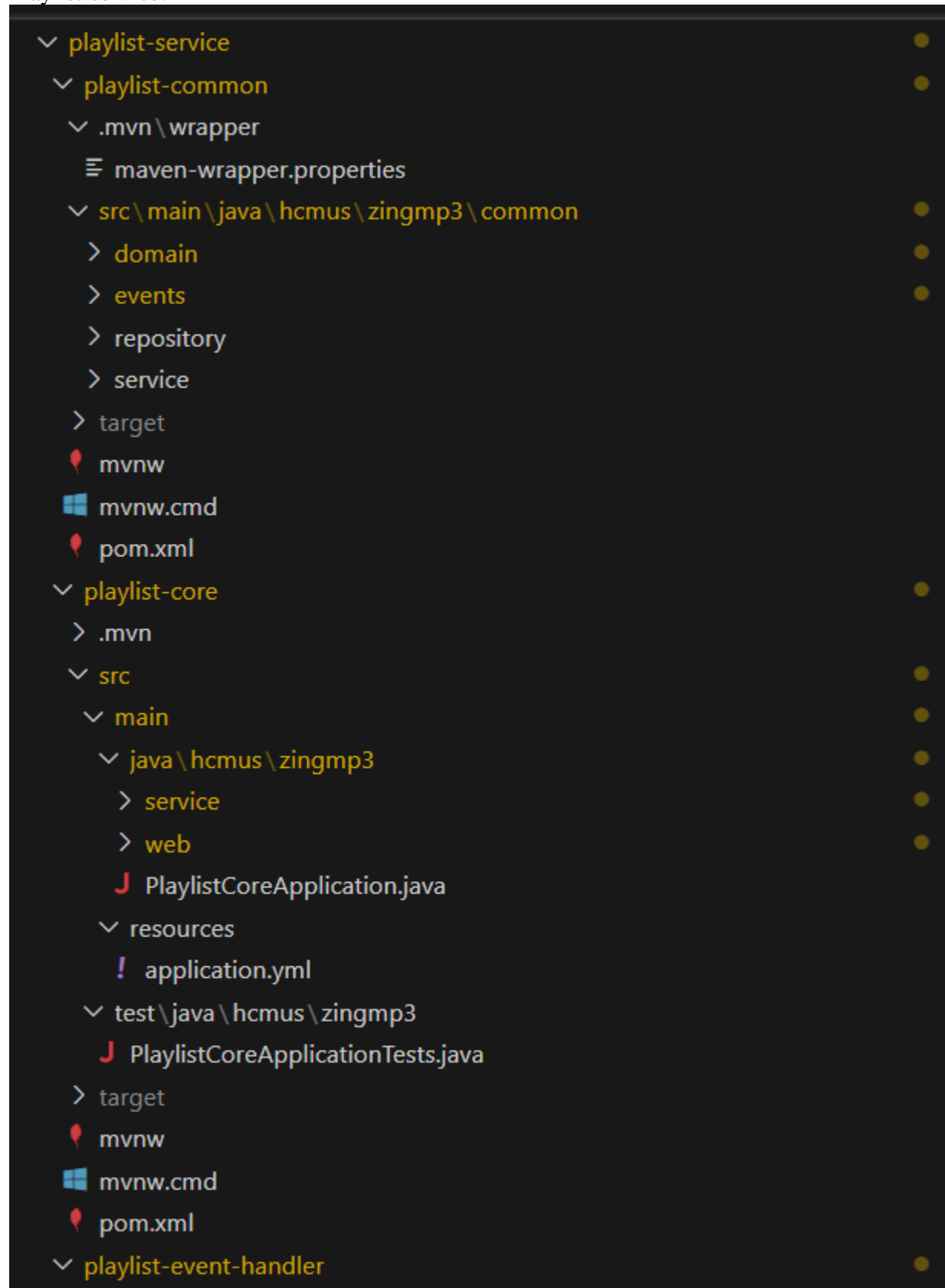


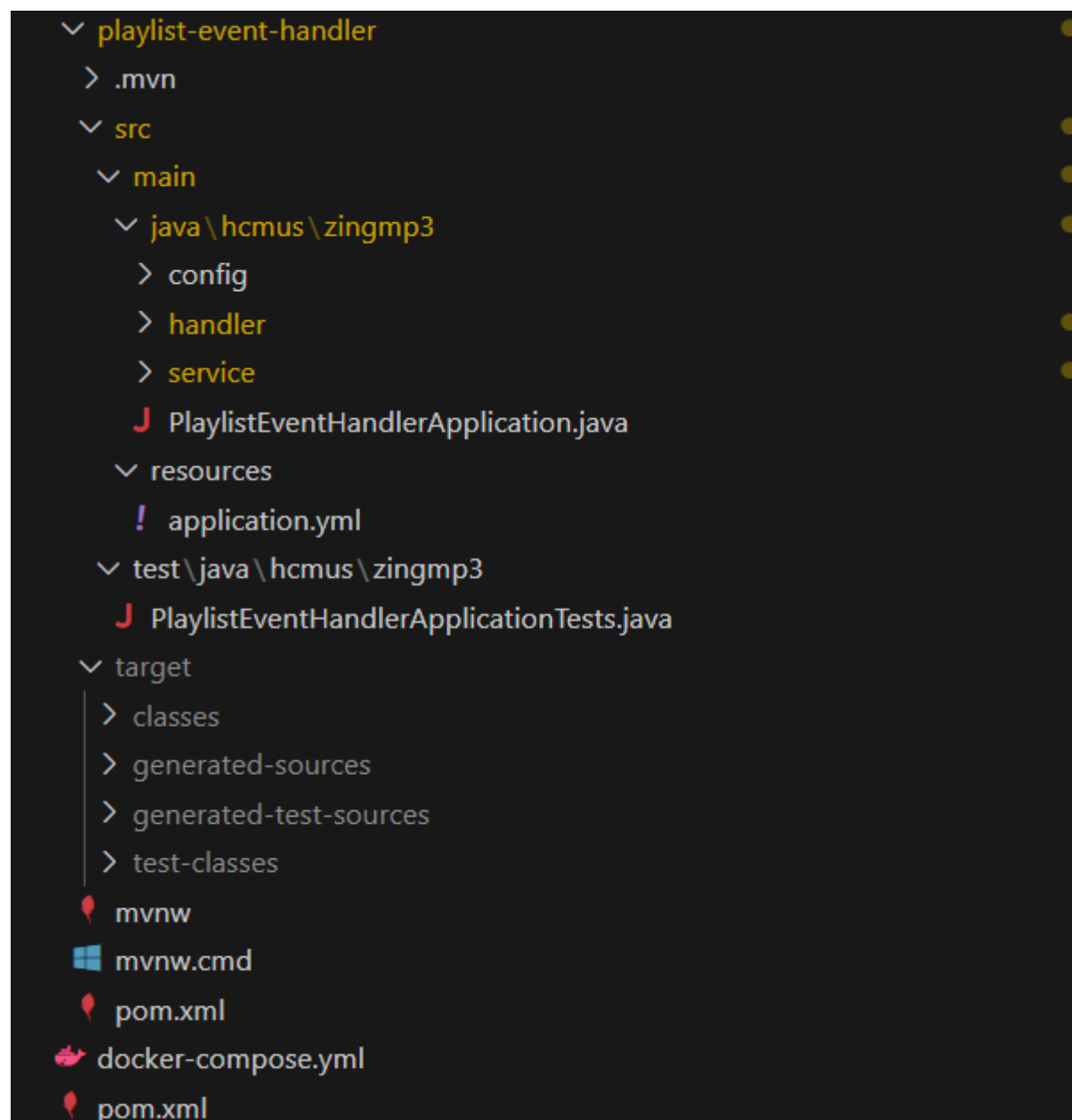
Notification service:





Playlist-service:

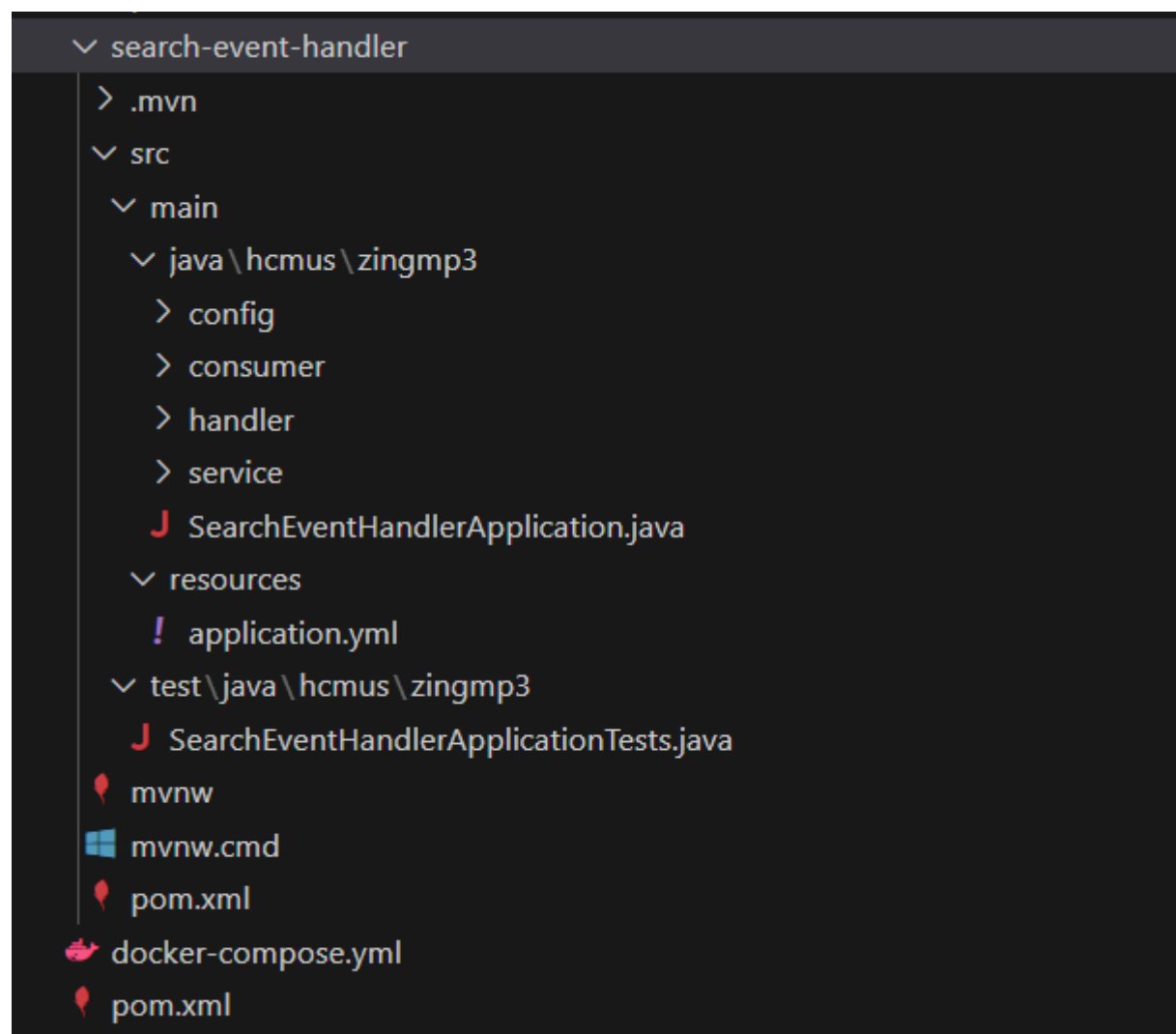




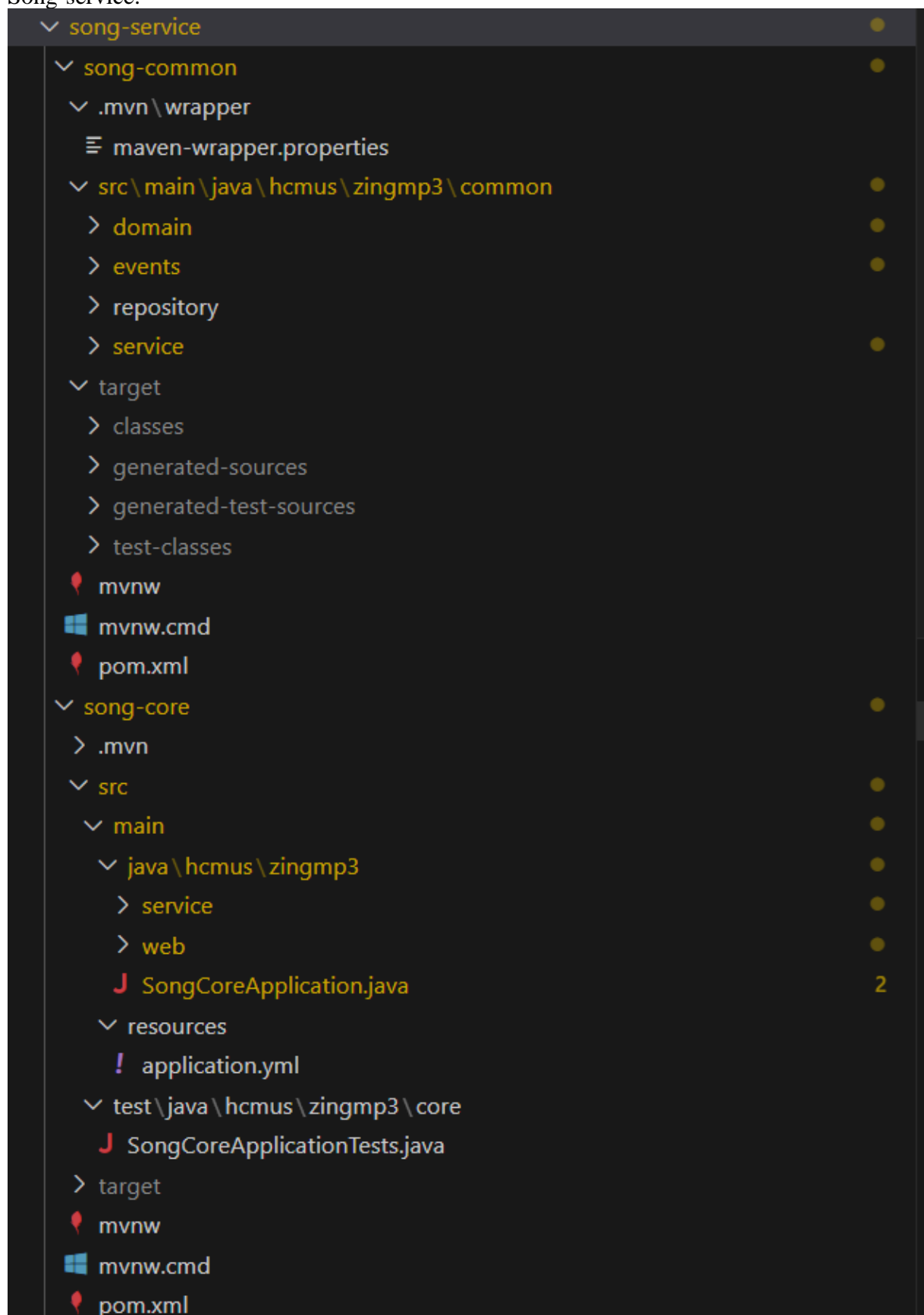
Search-service:

```

✓ search-service
  ✓ search-common
    ✓ .mvn\wrapper
      ≡ maven-wrapper.properties
    ✓ src\main\java\hcmus\zingmp3
      > domain
      > repository
      > service
      🔴 mvnw
      🖥️ mvnw.cmd
      🔴 pom.xml
  ✓ search-core
    ✓ .mvn\wrapper
      ≡ maven-wrapper.properties
    ✓ src
      ✓ main
        ✓ java\hcmus\zingmp3
          > service
          > web
          🔴 SearchCoreApplication.java
        ✓ resources
          ! application.yml
        ✓ test\java\hcmus\zingmp3
          🔴 SearchCoreApplicationTests.java
      🔴 mvnw
      🖥️ mvnw.cmd
      🔴 pom.xml
  ✓ search-event-handler
  
```



Song-service:

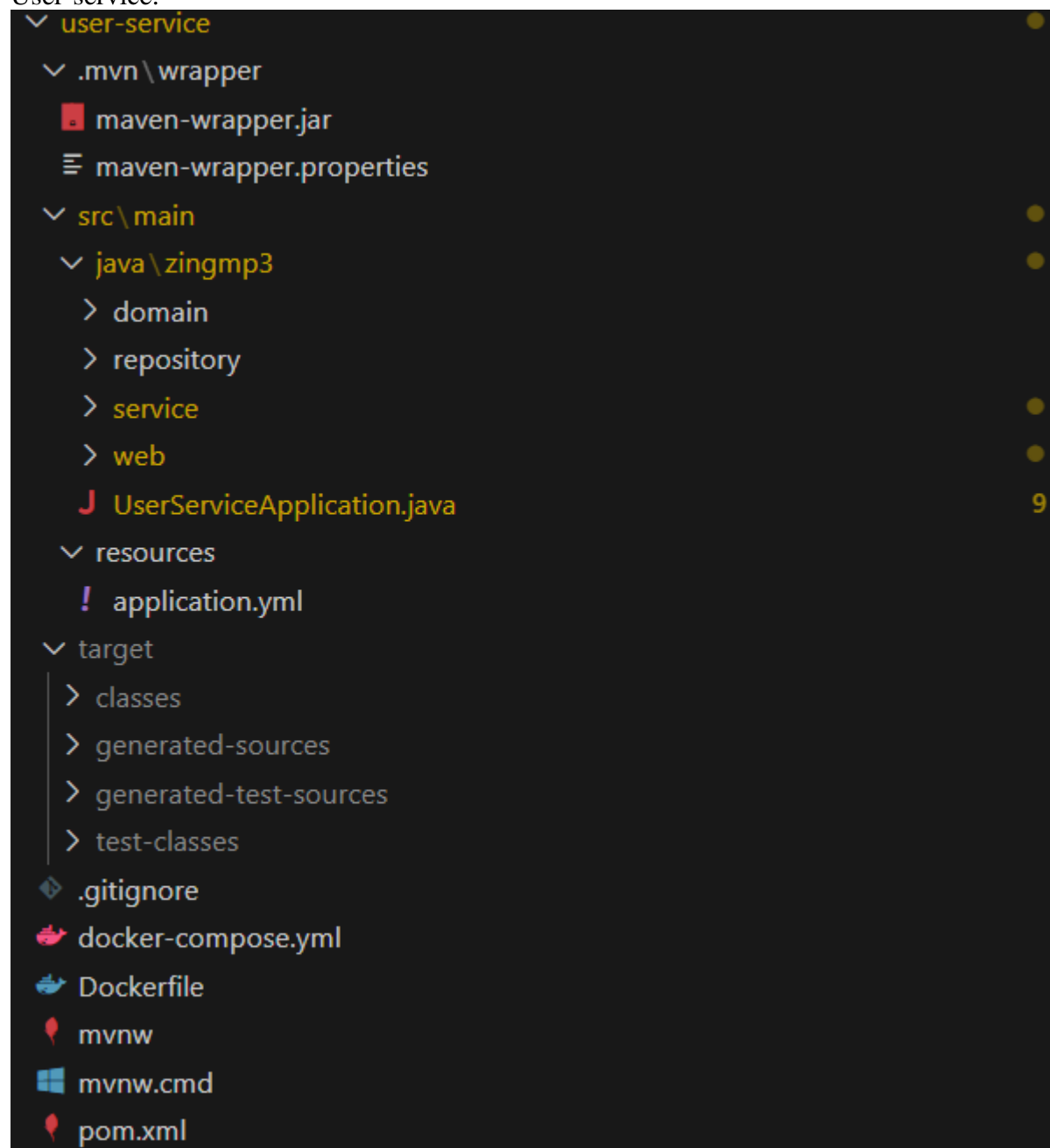




```
▼ song-event-handler
  > .mvn
  ▼ src
    ▼ main
      ▼ java\hcmus\zingmp3
        > config
        > handler
        > service
        J SongEventHandlerApplication.java
      ▼ resources
        ! application.yml
      ▼ test\java\hcmus\zingmp3
        J SongEventHandlerApplicationTests.java
    ▼ target
      > classes
      > generated-sources
      > generated-test-sources
      > test-classes
  mvnw
  mvnw.cmd
  pom.xml
  docker-compose.yml
  pom.xml
```



User-service:



Deloyment View

