

TELEPHONE DIRECTORY APPLICATION

Introduction :

Completed the telephone directory project using Java-Spring Boot. In the project, rest services, entity, models (create and update), repository, service, service implementations and finally controller were written.

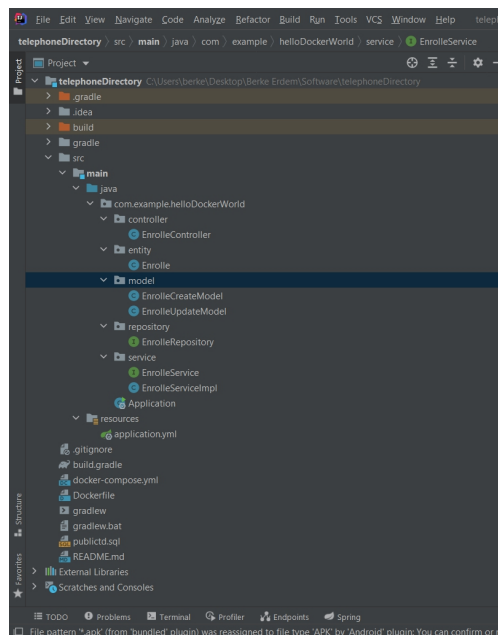


Fig.1. Project Files

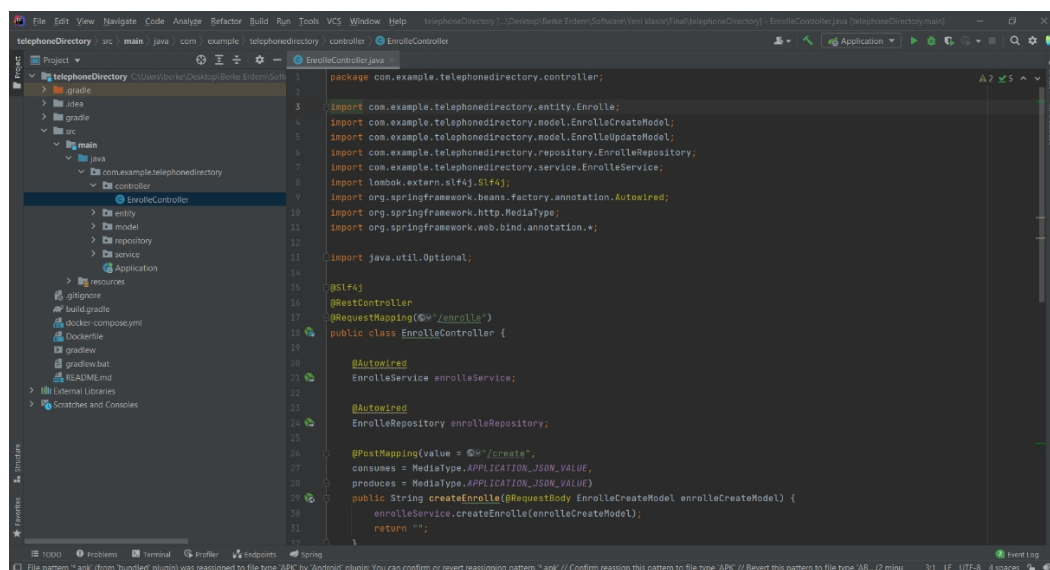


Fig.2. Enrolle Controller Class

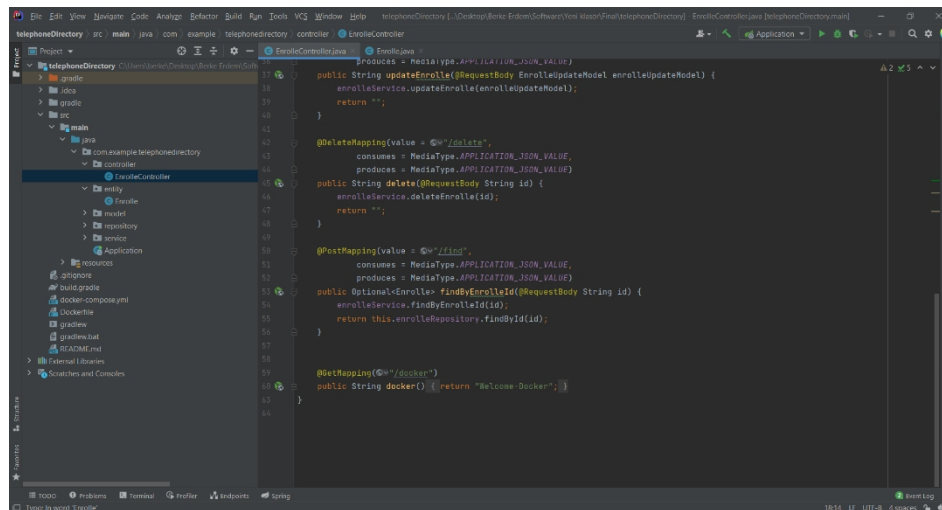


Fig.3. Enrolle Controller Class

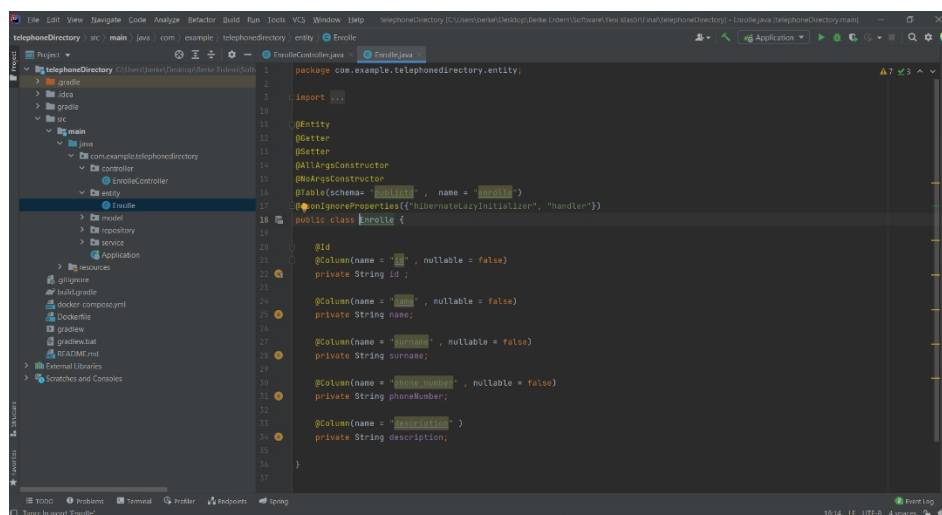


Fig.4. Enrolle Entity Class

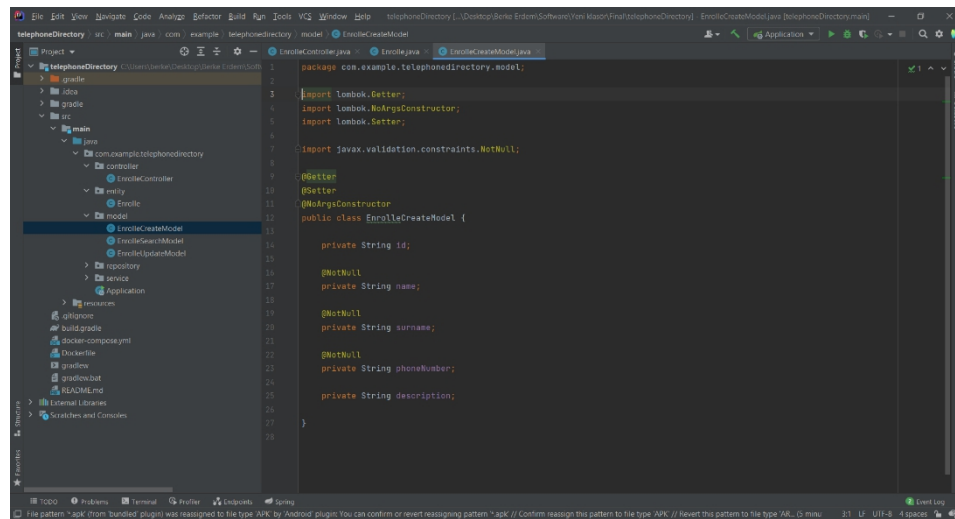


Fig.4. Enrolle Create Model Class

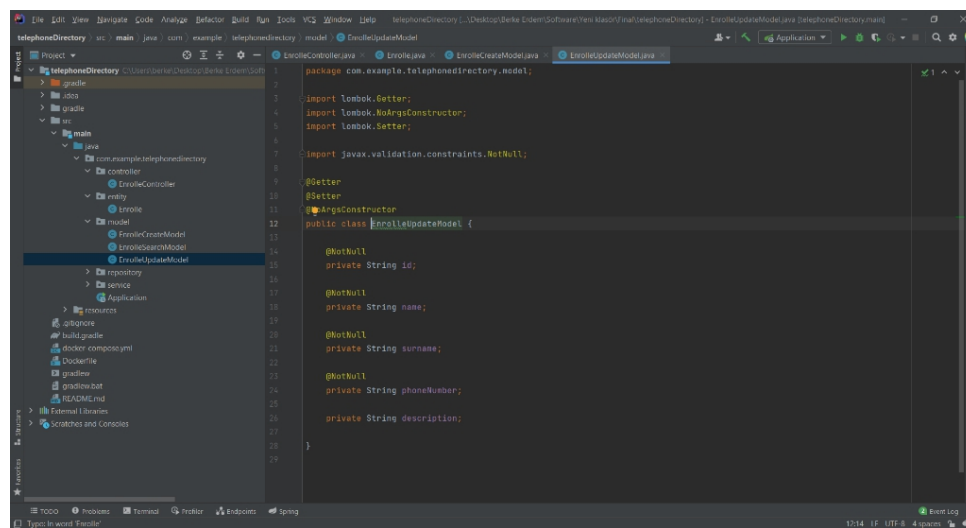


Fig.5. Enrolle Update Model Class

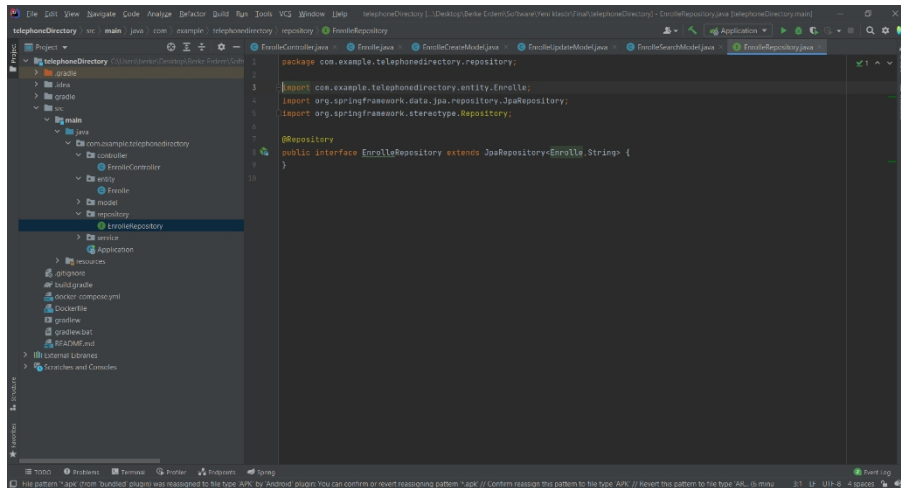


Fig.6. Enrolle Repository Class

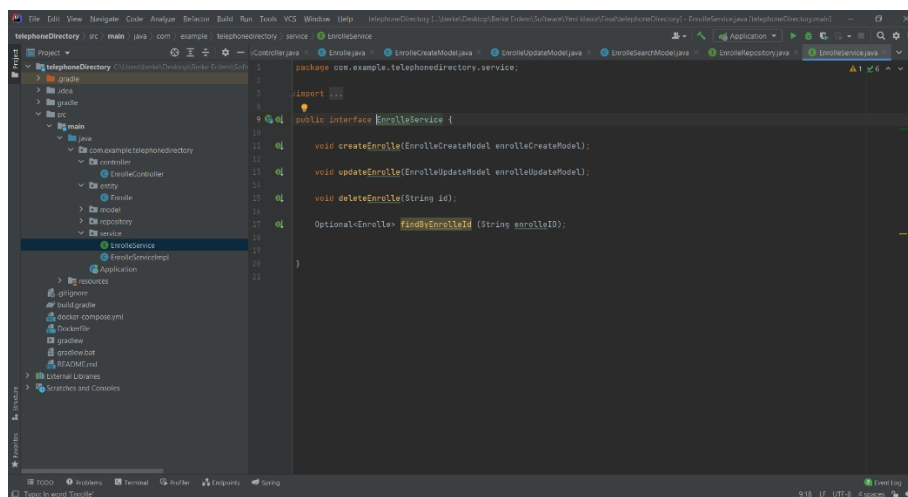


Fig.7. Enrolle Service Class

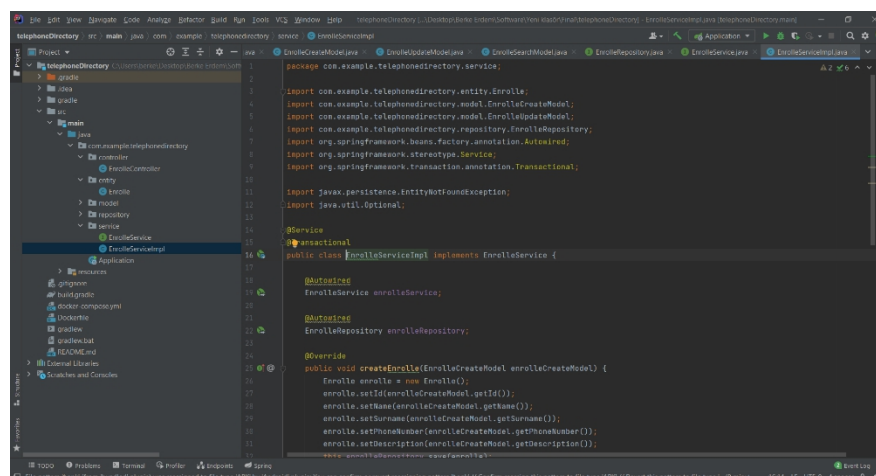


Fig.7. Enrolle Service Implementation Class(1)

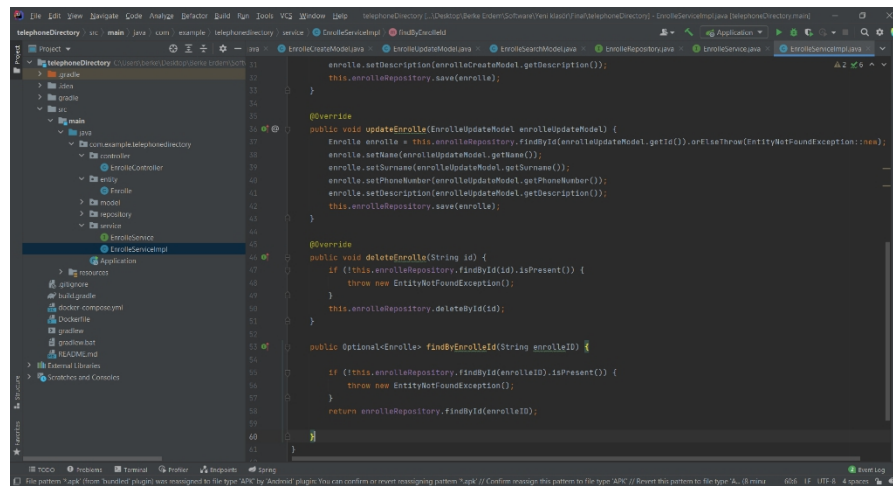


Fig.8. Enrolle Service Implementation Class(2)

Create method saves the data entered in JSON format to the database, with the Delete method, the data is deleted in the database according to the information of the data registered in the database, The data registered in the update method database is updated with JSON format and The FindById method, on the other hand, presents the information available in the database according to the id in JSON format.

Gradle was used in the project. It was the first experience.

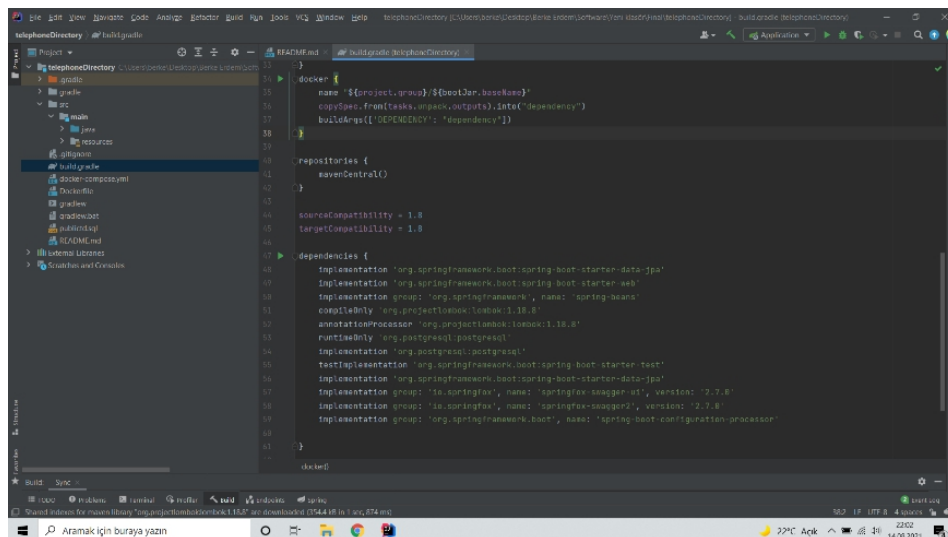


Fig.9. Build Gradle File

The data was kept in the database. PostgreSQL is used. In the Navicat app.Database interaction is provided using Spring-Data.

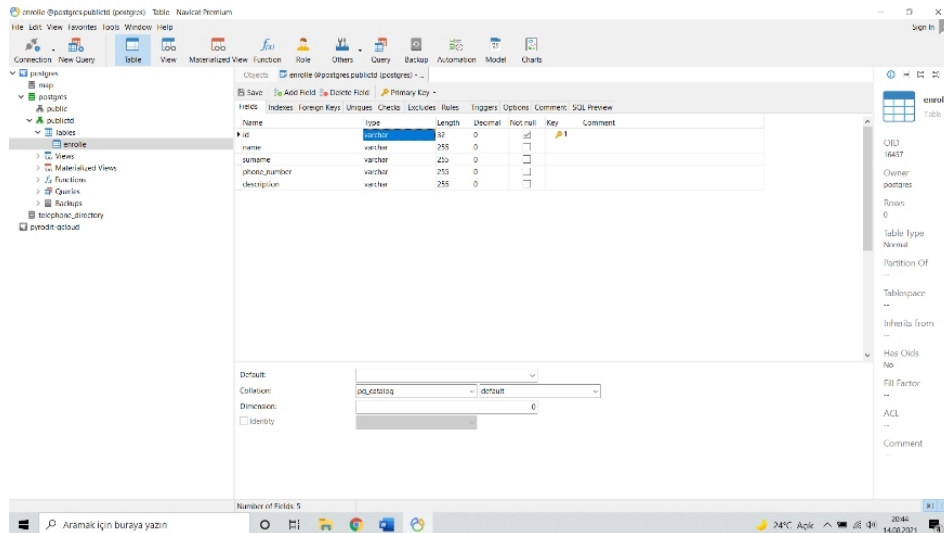


Fig.10. Navicat Enrolle Table

Swagger was added to the project and the tests were done using swagger. (Additional checks were made in Postman.)

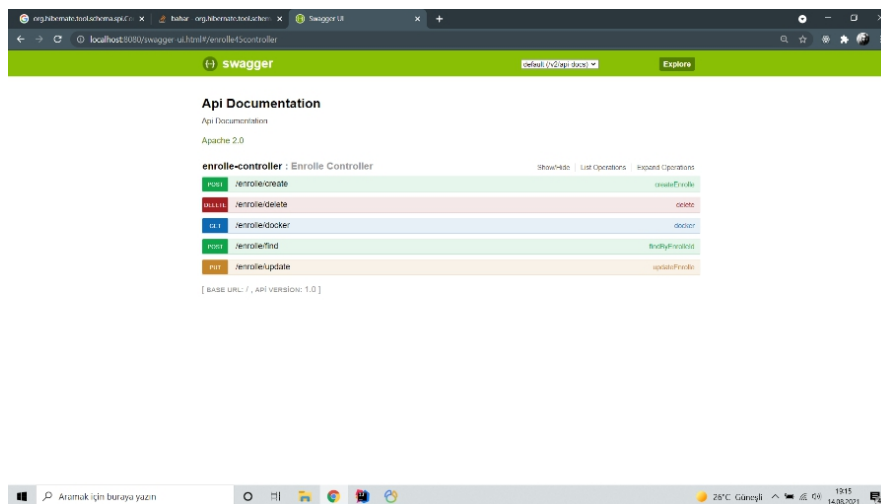


Fig.11. Swagger Dependency

There were difficulties in the Docker part of the project, but the project was supported by using medium articles, udey courses and web applications such as youtube and the Docker part was completed.

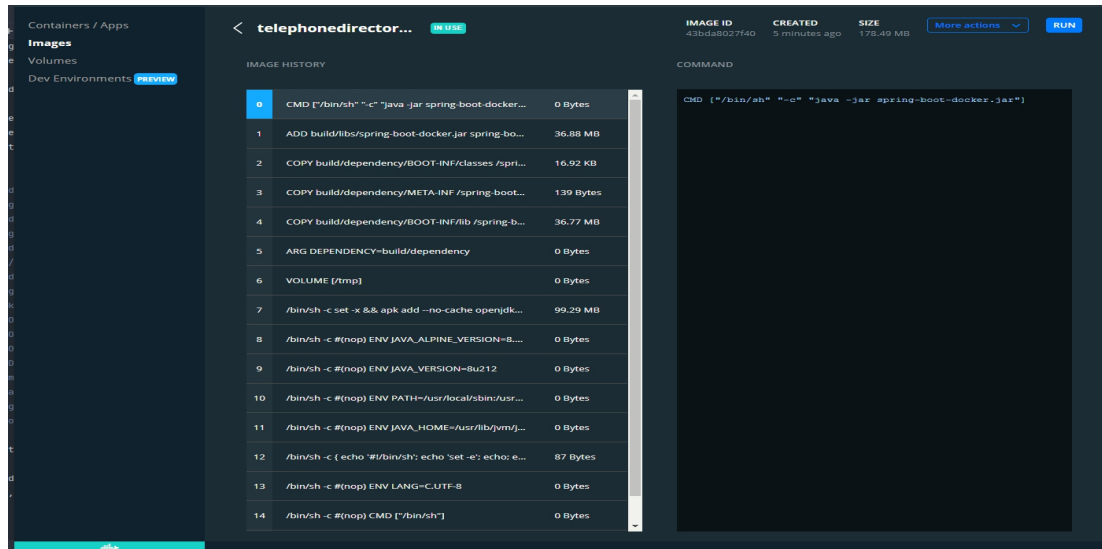


Fig.12. Image History

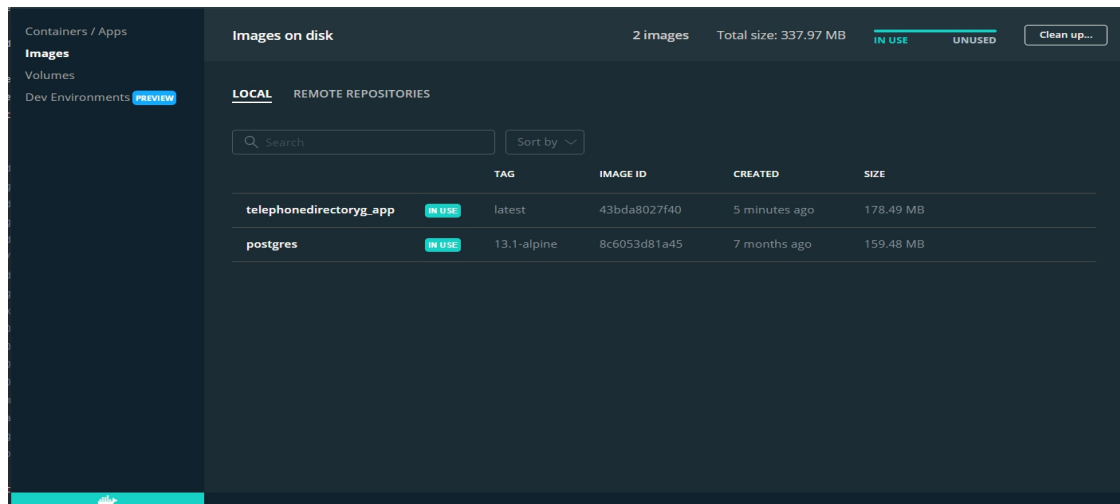


Fig.13. Images on Disc

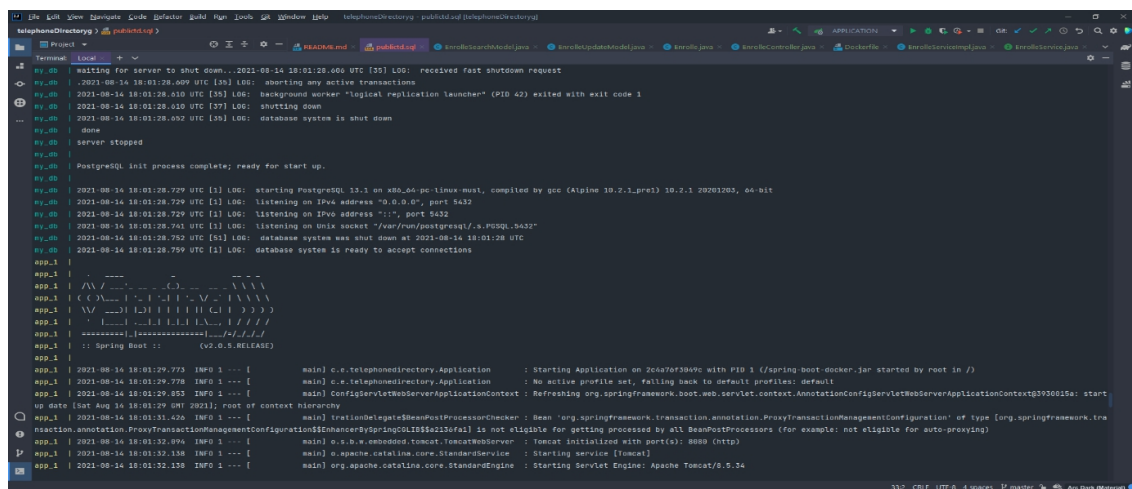


Fig.14. IntelliJ Terminal

```

PS C:\Users\Suneyye\Desktop\telephonedirectory> docker-compose up --build
Creating network "telephonedirectory_default" with the default driver
Building app
[*] Building 12.0s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.2s
=> => transferring dockerfile: 32B                                              0.0s
=> [internal] load .dockerignore                                                0.2s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/openjdk:8-jdk-alpine        12.2s
=> [auth] library/openjdk:pull token for registry-1.docker.io                 0.0s
=> [internal] load build context                                              0.1s
=> => transferring context: 7.96kB                                             0.0s
=> [1/5] FROM docker.io/library/openjdk:8-jdk-alpine@sha256:94792824d2f2f3402f201715f932058c96e9480c524164a0f2283343507b3  0.0s
=> CACHED [2/5] COPY build/dependency/BOOT-INF/lib /spring-boot-docker/lib     0.0s
=> CACHED [3/5] COPY build/dependency/META-INF /spring-boot-docker/META-INF   0.0s
=> CACHED [4/5] COPY build/dependency/BOOT-INF/classes /spring-boot-docker    0.0s
=> CACHED [5/5] ADD build/libs/spring-boot-docker.jar spring-boot-docker.jar  0.0s
=> => exporting to image                                                       0.0s
=> => exporting layers                                                         0.0s
=> => writing image sha256:63bda8027f406a7d9f8ef1fabfd57344957652e1c89fd5e5c94aa567877e5a  0.0s
=> => naming to docker.io/library/telephonedirectory_app                      0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
Creating my_db ... done
Creating telephonedirectory_app_1 ... done

```

Fig.15. IntelliJ Terminal

```

app.1 | Hibernate: select enrolled_id as id1_0_0., enrolled_description as descript2_0_0., enrolled_name as name3_0_0., enrolled_phone_number as phone_mv4_0_0., enrolled_surname as surname5_0_0. from publictd.enrolle enrol
le0 where enrolled_id=?
app.1 | Hibernate: update publictd.enrolle set description=?, name=?, phone_number=?, surname=? where id=?
app.1 | Hibernate: select enrolled_id as id1_0_0., enrolled_description as descript2_0_0., enrolled_name as name3_0_0., enrolled_phone_number as phone_mv4_0_0., enrolled_surname as surname5_0_0. from publictd.enrolle enrol
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app.1 | Hibernate: select enrolled_id as id1_0_0., enrolled_description as descript2_0_0., enrolled_name as name3_0_0., enrolled_phone_number as phone_mv4_0_0., enrolled_surname as surname5_0_0. from publictd.enrolle enrol
le0 where enrolled_id=?
app.1 | Hibernate: delete from publictd.enrolle where id=?

```

Fig.16. IntelliJ Terminal

Berke ERDEM