# Micro services Architecture -Whole Practice Assignment

**Problem:**

Develop a case study which demonstrates from monolith to micro services which leads to application security, scalability .

**Solution:**

There are 3 Micro Services created.

1. Movie Catalog Service

2. Movie Info Service

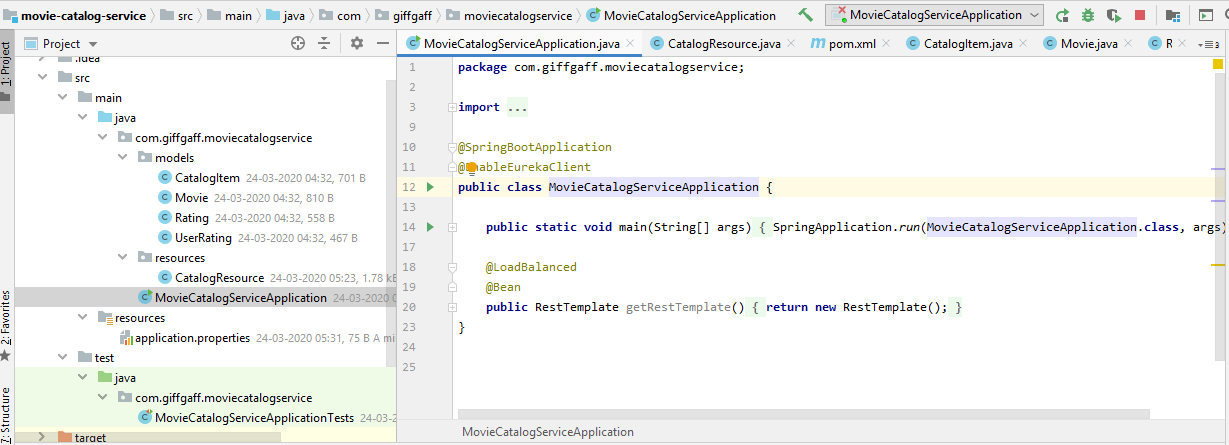
3. Rating Data Service

All are deployed in Eureka Server i.e.

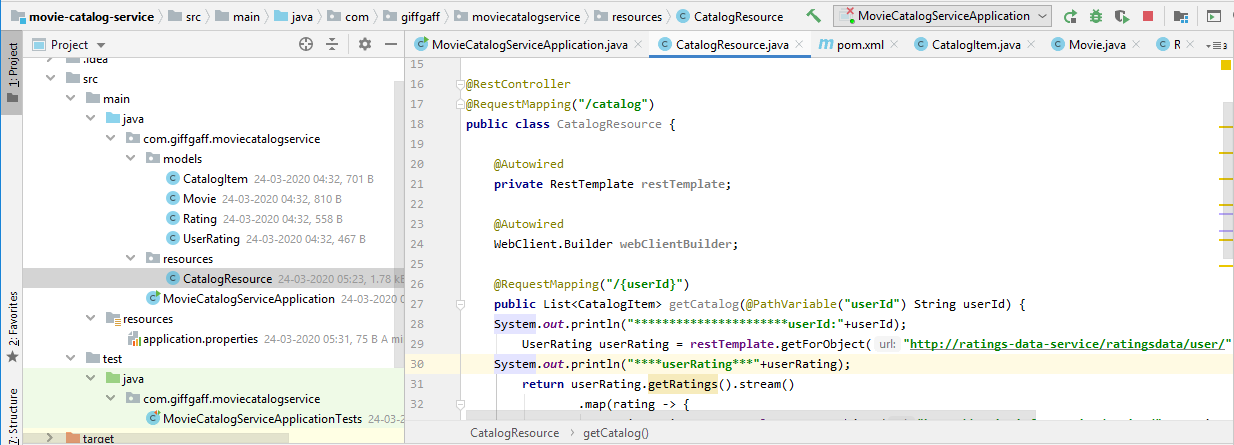
4. Discovery Server

1. **Movie Catalog Service :** It will interact with other two micro services and collect the required data.

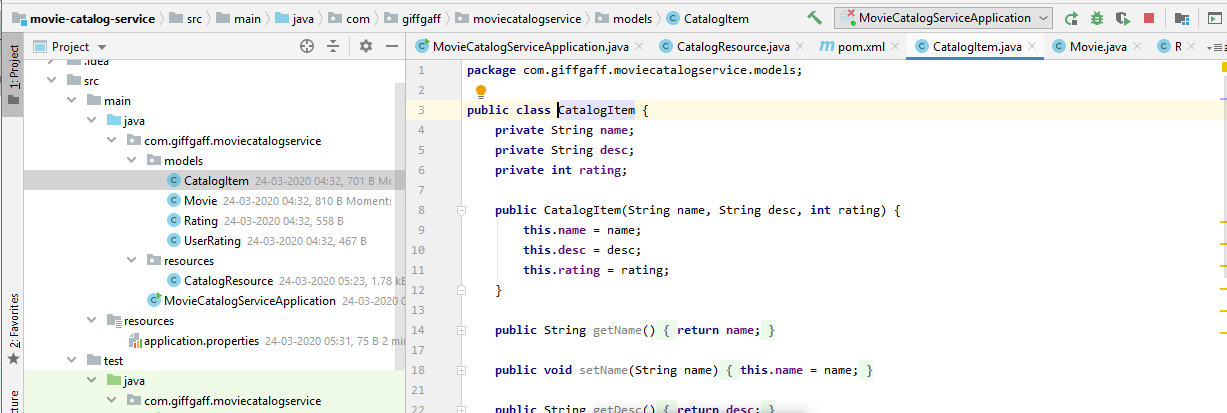
Movie Catalog Service Application.java:



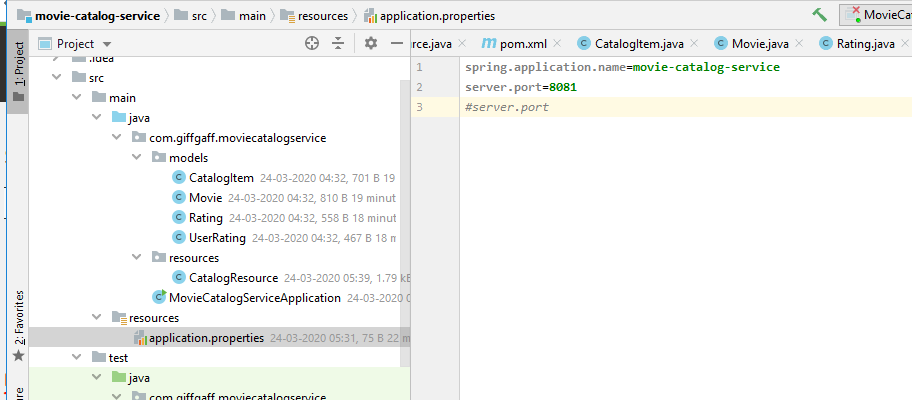
Catalog Service (Rest Controller):



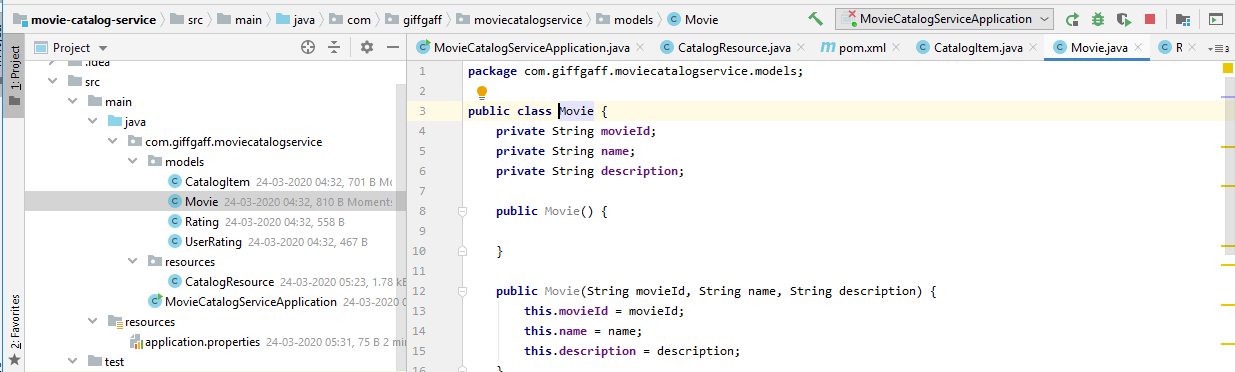
Catalog Item:



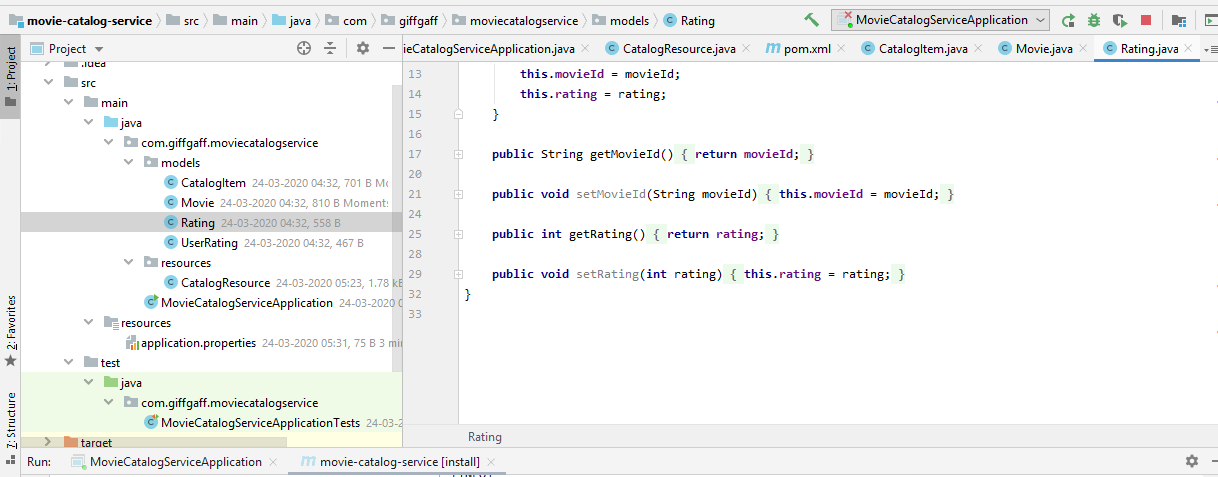
application.properties:



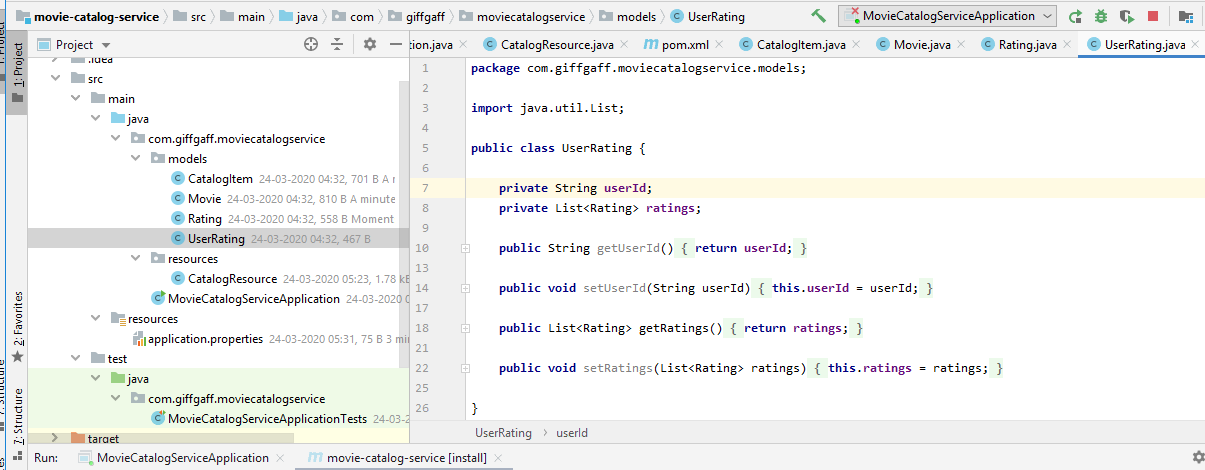
Movie:



Rating:

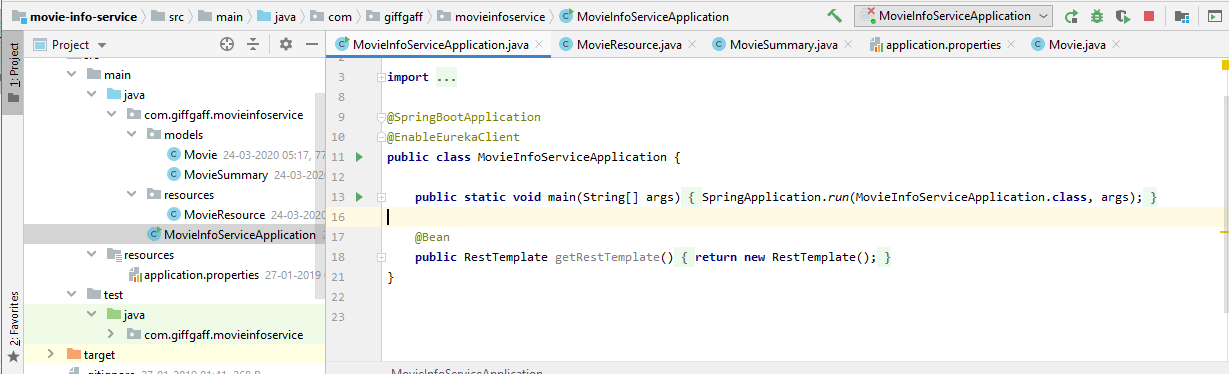


User Rating:

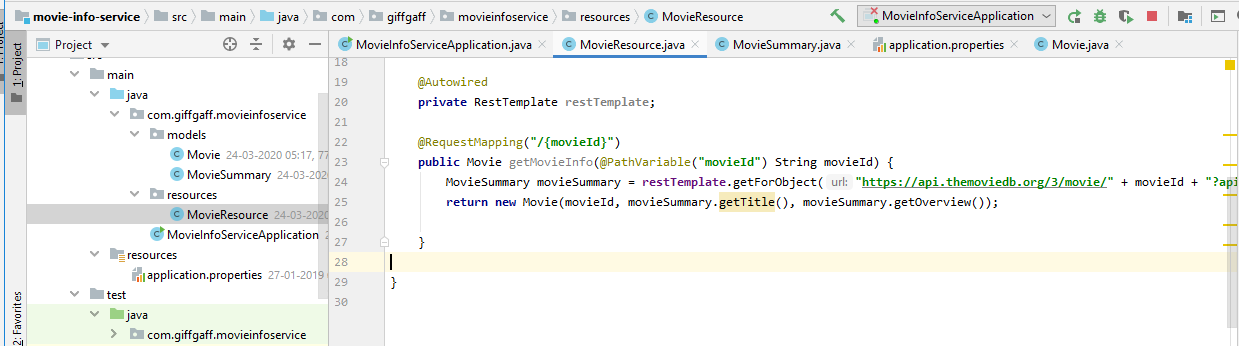


2. Movie Info Service:

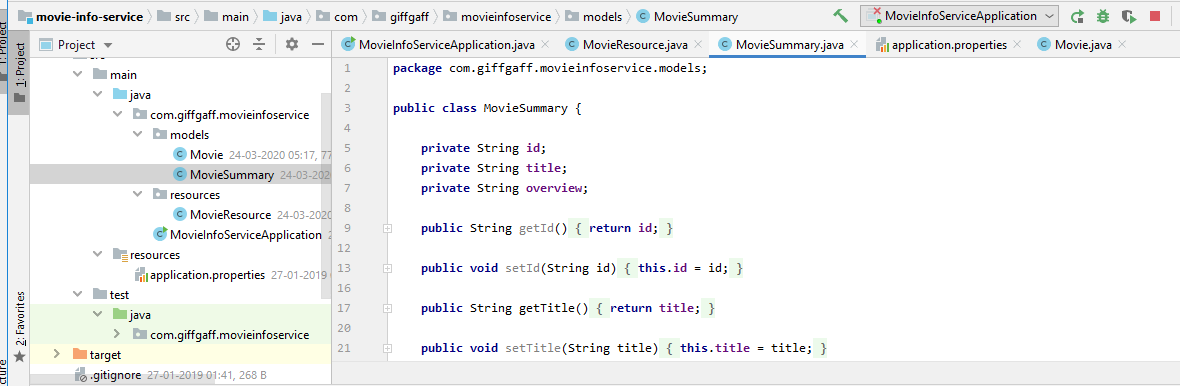
Movie Info Service Application:



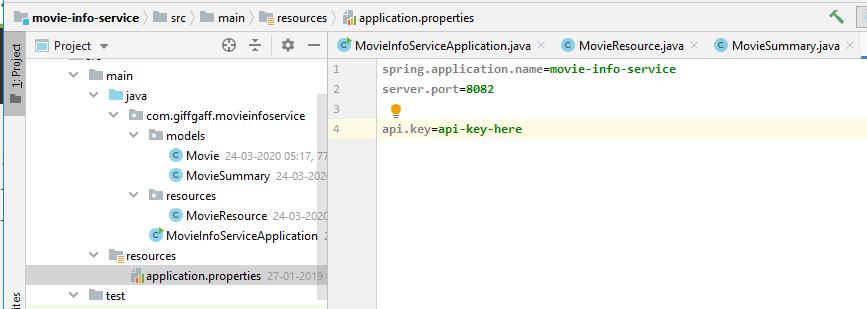
Movie Resource(Request Controller):



Movie Summary:



application.properties:

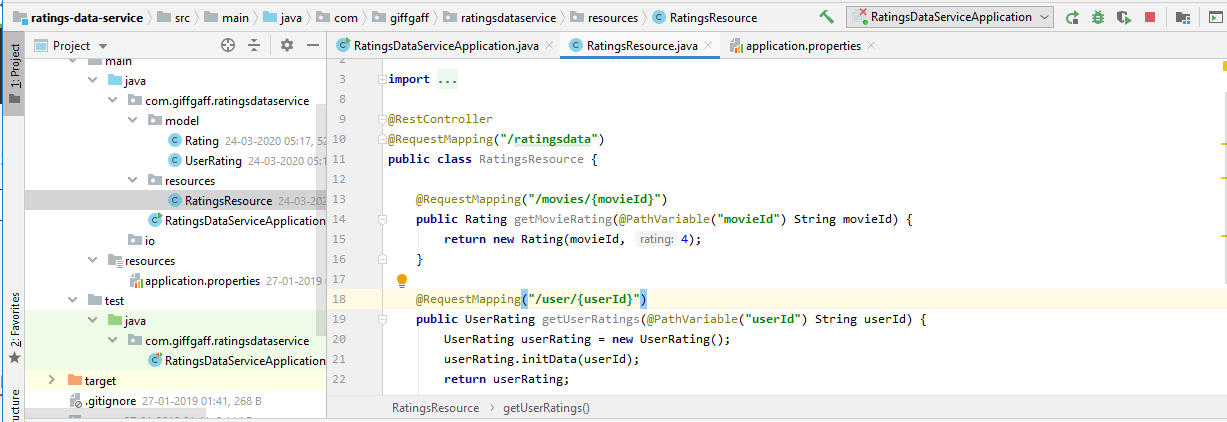


3. Rating Data Service:

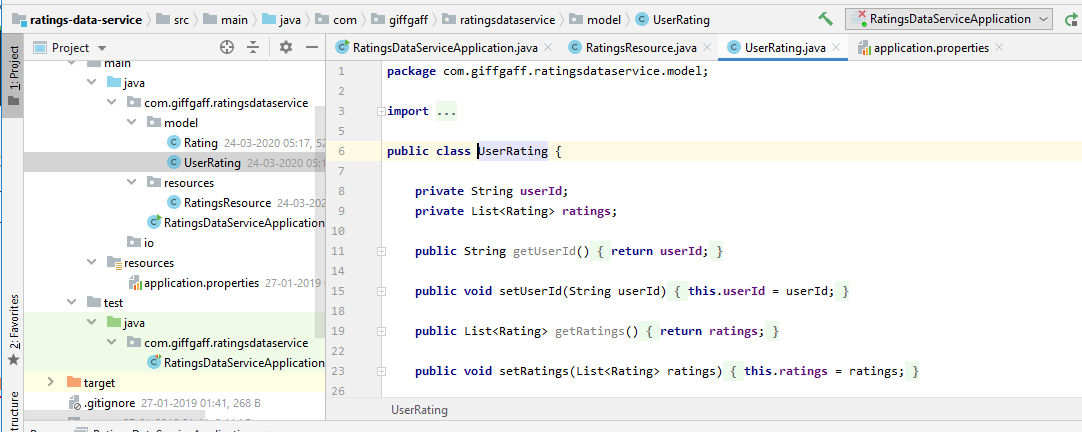
Rating Data Service Application:

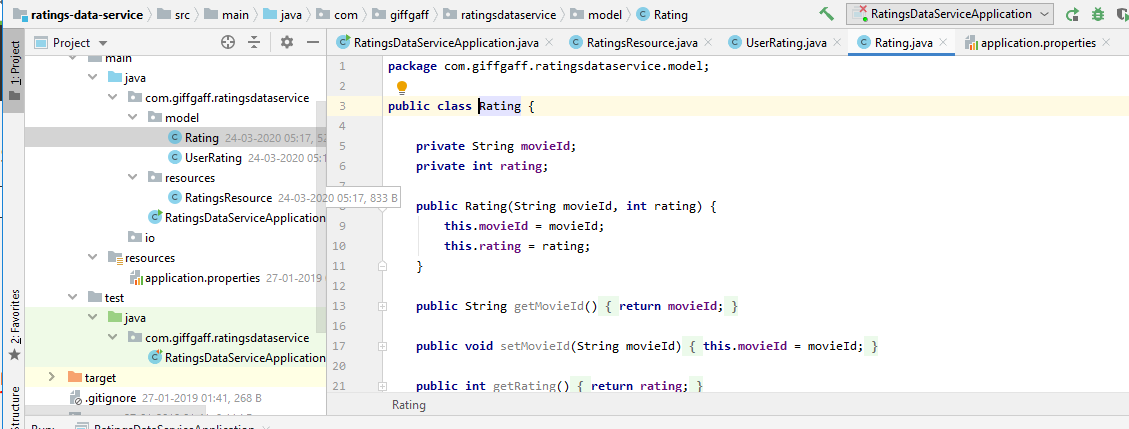


Rating Resource (Request Controller):

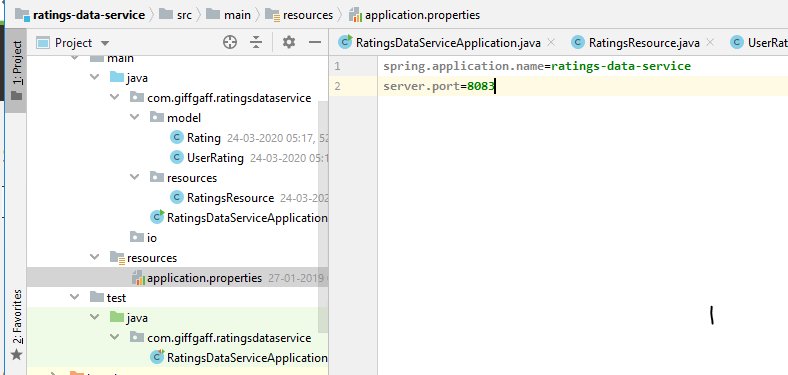


User Rating:



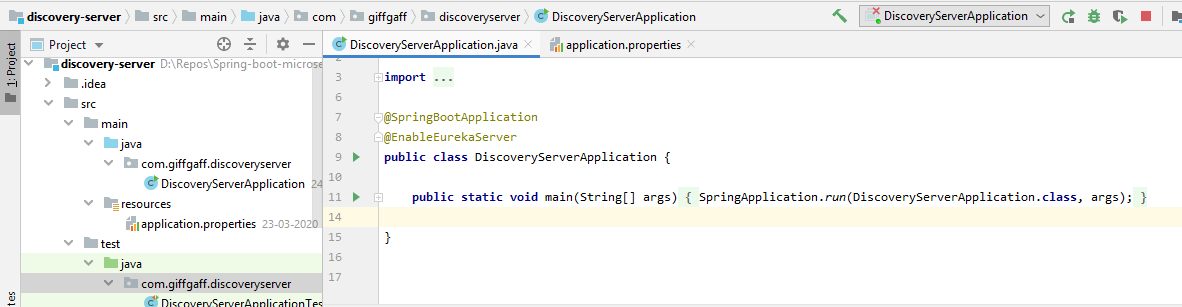


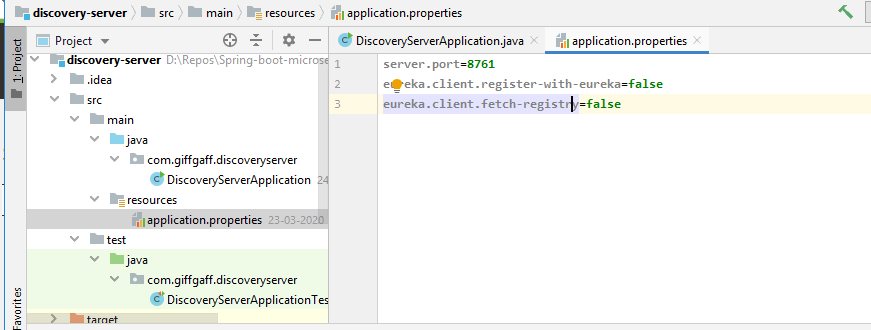
application.properties:



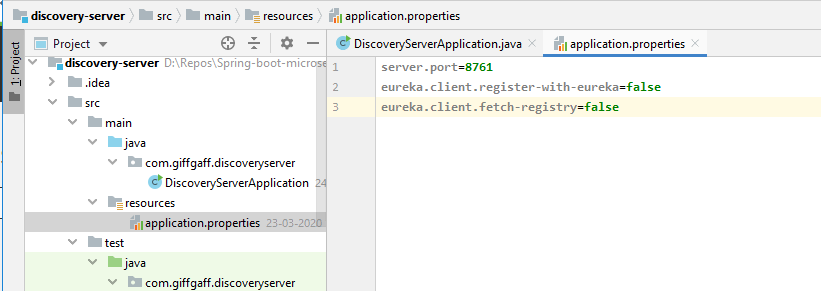
Enable Eureka Server:

4. Discovery Server Application:





application.properties:



Eureka Server Web Page with deployed all other 3 micro services:

