Name: Bhavesh Kewalramani

Roll No.: A-25

Section: A

Semester: VII

Shift: I

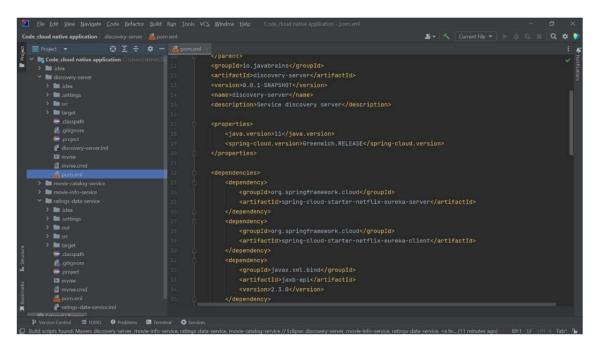
Batch: A1

Aim: To develop an application using cloud native approach with microservice technique.

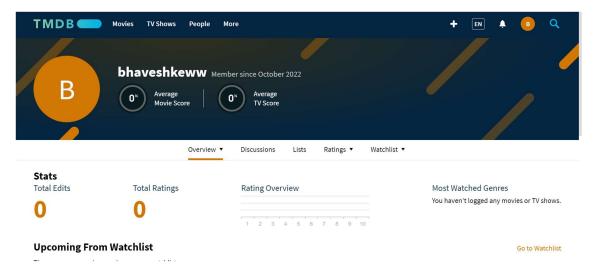
Outputs:



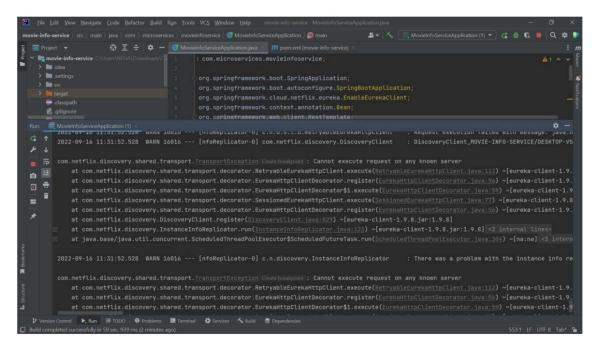
Download the Intellij IDE from its official website and install it



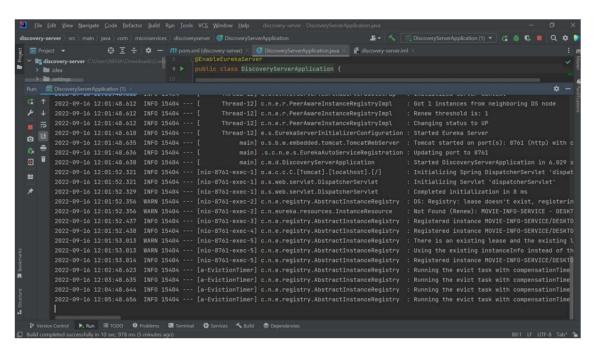
We then add springboot and eureka server in the pom.xml file



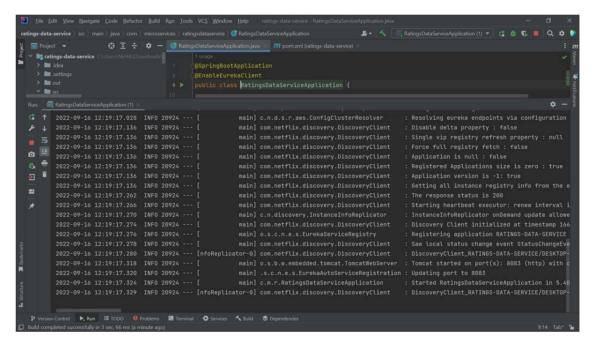
We then navigate to TMDB website and create the account. After account creation, activate it using the submitted email address. Go to the settings and there navigate to API tab. In that request the key. A new api key will be generated



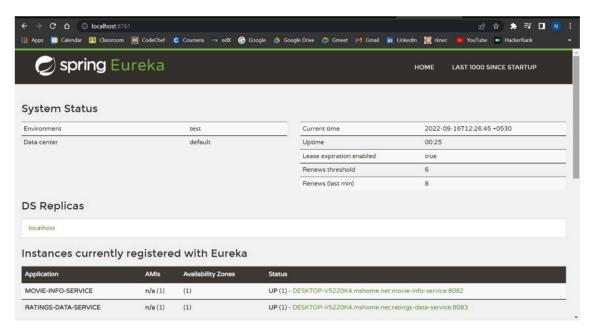
Now go to ide and open project. Go to movie-info-service project and install dependencies



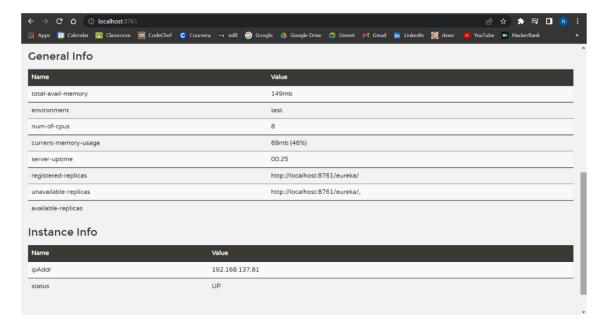
Go to Discover server project and install dependencies



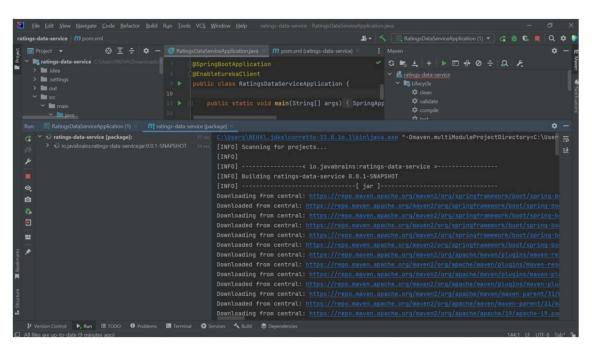
Go to ratings data service project and install dependencies



Go to the localhost:8761 and you can see the instance data there



You can also see the general information there



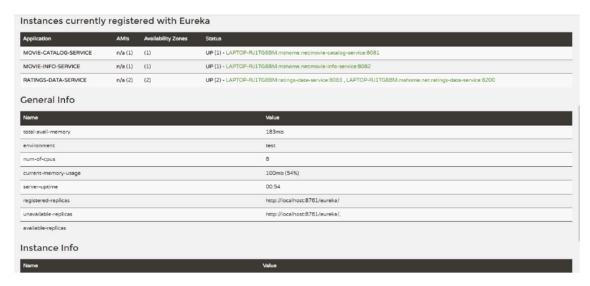
Now we run the ratings data service file in the IDE



Now we navigate to the localhost:8081/catalog/foo and see the output generated



Now we open the command prompt and run the same file. We can see the output as shown above.



In the eureka we can also see the fault tolerance and load balancing

Conclusion:

The cloud native approach with microservice technique is a great way to develop an application. It allows for a more modular approach to development, which can make the development process more efficient and less error-prone. Additionally, microservices can be deployed independently, which can make the overall application more scalable.