Saturday, 25 March, 2023 12:31 PM

#### Objective:

- •Design an application for student management system that includes all the functionalities and concepts learned in this course
- •Follow the instructions to create solutions according to the concepts taught in each module

#### **Problem Statement:**

A popular education society "EduExcellence" is setting up a new school in the city. They want a "School Management Software" that should match the high standards of the school that they aspire to build. They have hired you to provide them with the software that should enable them to manage all aspects of running a school successfully, but they would want the application to grow gradually with the growth of the new school.

Implement a microservice(fees ms) to manage the following functions.

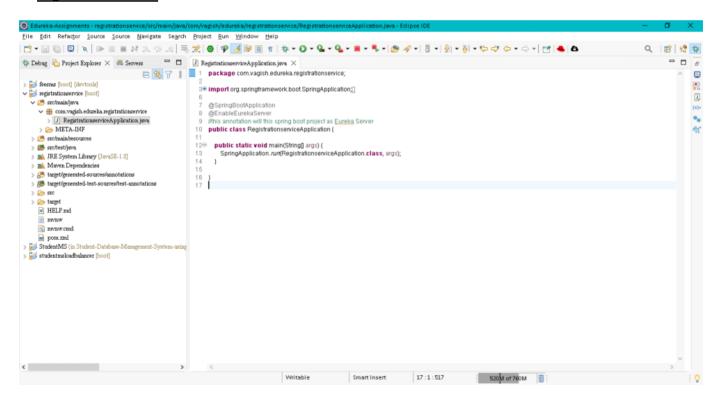
Use similar tools as used in student ms.

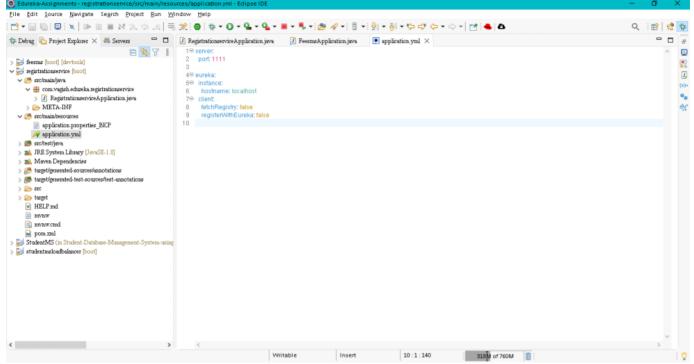
- 1.An API to fetch all fees paid by a student
- 2.An API to pay fees for a student

Also, implement a couple of APIs in student ms to call these new APIs of fee sms.

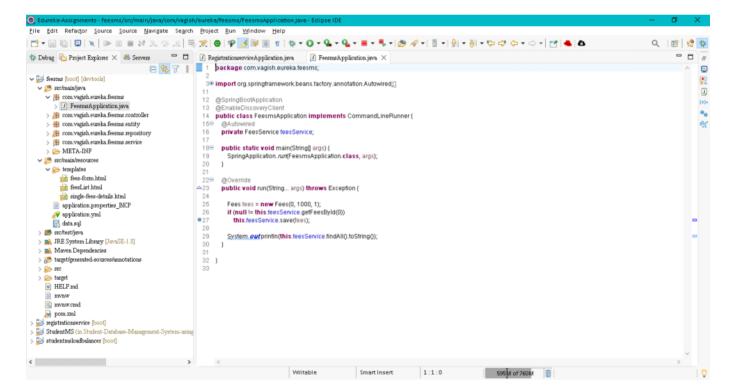
## **Solution:**

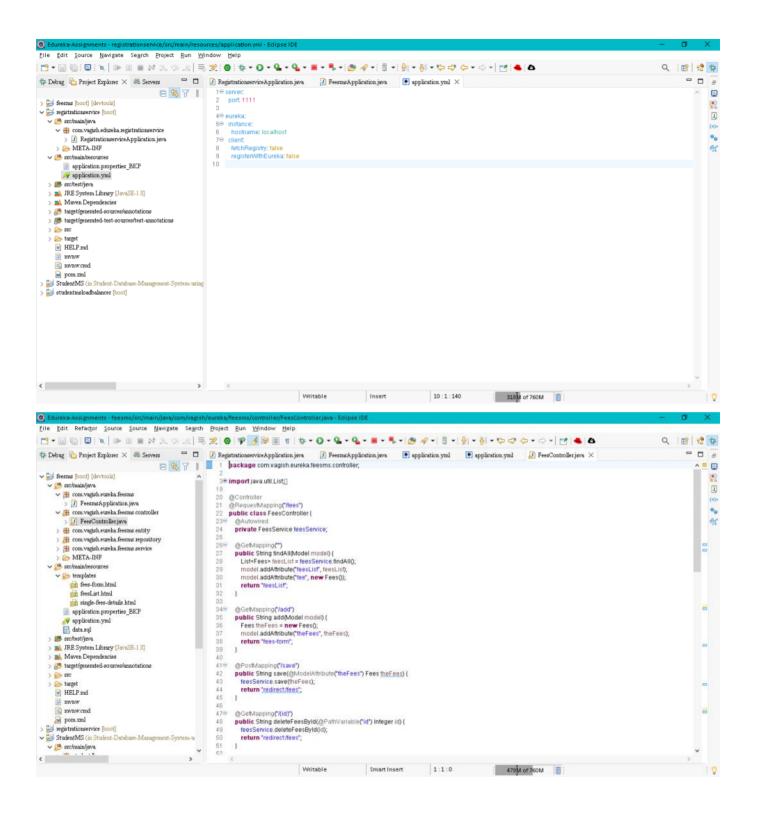
### **Registration Service**

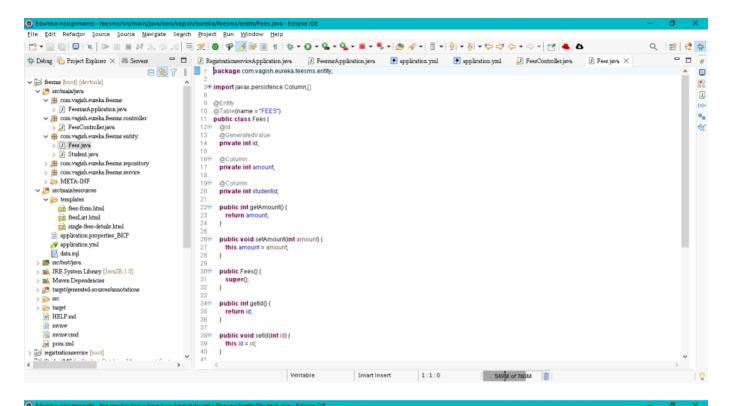


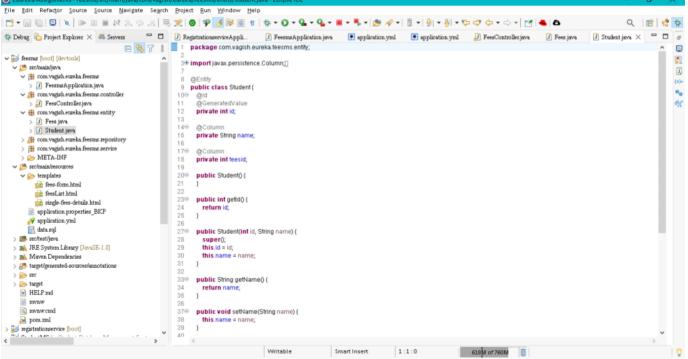


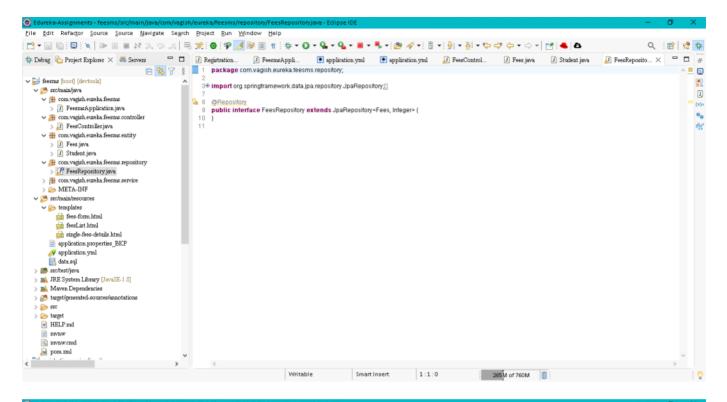
## **Fees MS**

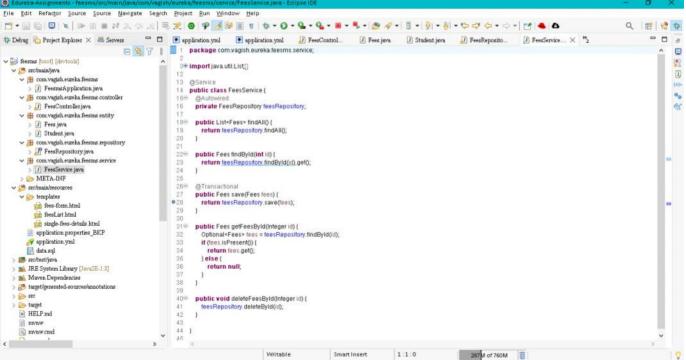












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Q 🖭 🕾 🎋
🌣 Debug 웥 Project Explorer × 🚜 Servers 💢 🗖 🕒 application.yml 💌 application.yml × 🔑 FeesControl... 🖟 Fees java 🖟 Student.java 🔑 FeesReposito...
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                                                                                                                                                                                   FeesService....
                                                             1⊖ spring:
2⊝ application:
3 name: feesms
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 3 nam

3 4⊕ h2;

y 

src/main/jeva

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→ 

⊕ com.vagish.eureka feesms

→ 

D FeesmsApplication.java

✓ ## com.vagish.eureka feesms.controller

                                                                  datasource;
urt: jdbc:mysql://localhost3306/vag_edureka_db
driverClassName; com.mysql.cj.jdbc.Driver
username; edureka
password; edureka123
           FeesController.java
      V # com.vagish.eureka feesms.entity
                                                            9 driv
10 use
11 pas
120 jpa:
130 pro
140 hil
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16
17 d
           ☑ Fees.java☑ Student.java

√ 

→ com.vagish.eureka.feesms.repository

           🌃 FeesRepository.java

→ ∰ com.vagish.eureka feesms.service

                                                                     hbm2ddl
           FeesService.java
        > I FeesServ
                                                                    dialect; org.hibernate.dialect.MySQL8Dialect

✓ 

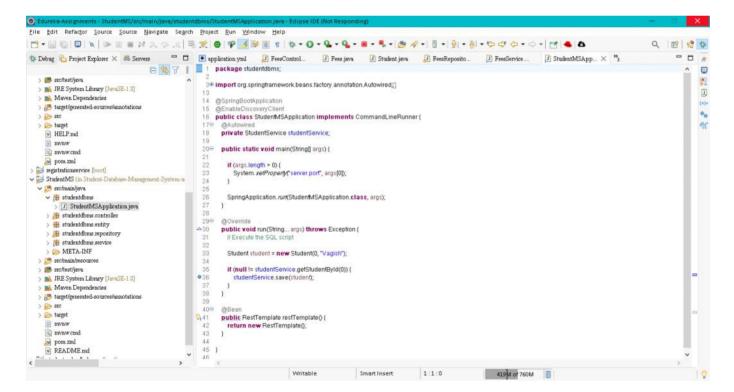
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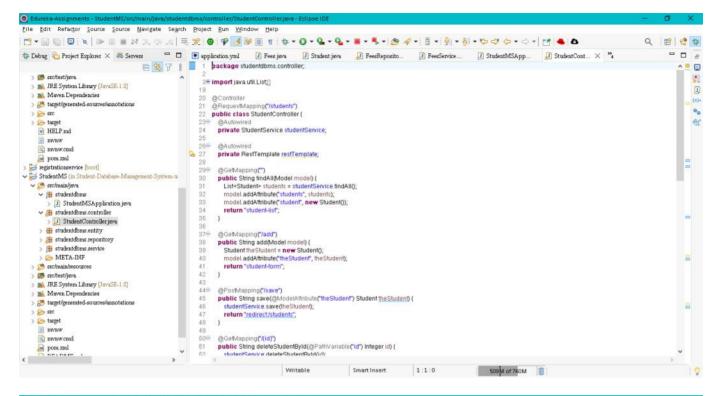
STC/main/resources

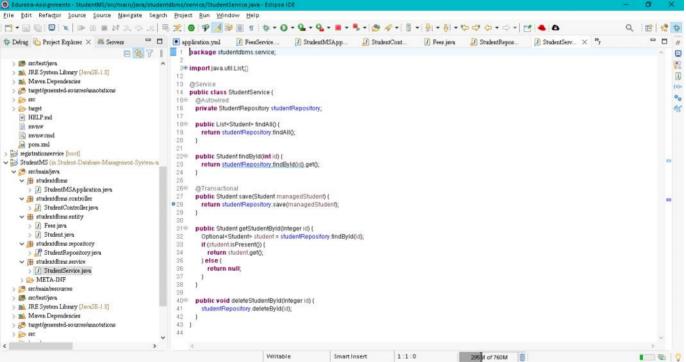
                                                            19⊜ server
       19⊕ server:
20 port: 80
21
22⊕ eureka:
23⊕ client:
24⊕ servic
                                                                 port: 8081
           fees-form.html
           feesList.html
           single-fees-details.html
                                                                  client;
serviceUrl:
defaultZone; http://localhost1111/eureka/
            application.properties_BKP

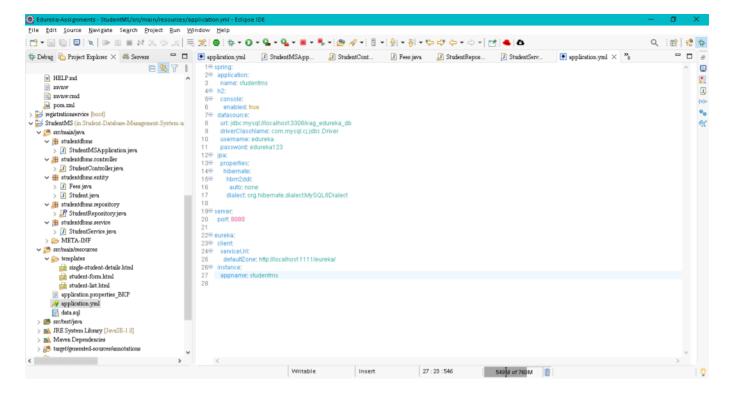
    ■ application.prop
    ■ application.yml
    ■ data.sql
   > # src/test/java
> * JRE System Library [JavaSE-1.8]
                                                                   appname: feesms
   > Mayen Dependencies
    > 🕭 target/generated-sources/annotations
   > 🗁 src
   > is target
| HELP.md
      mvnw.cmd
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# **Student MS**

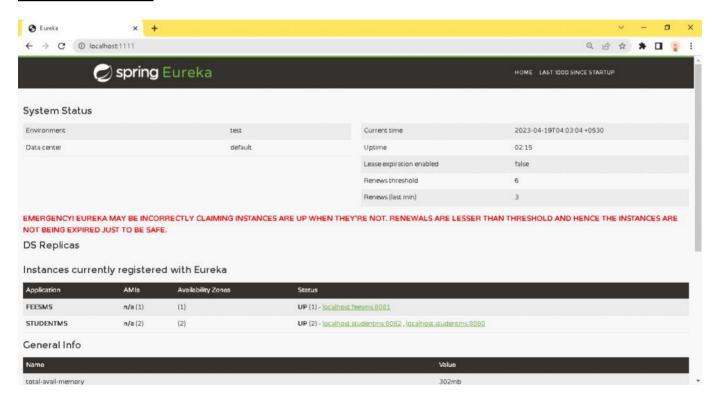




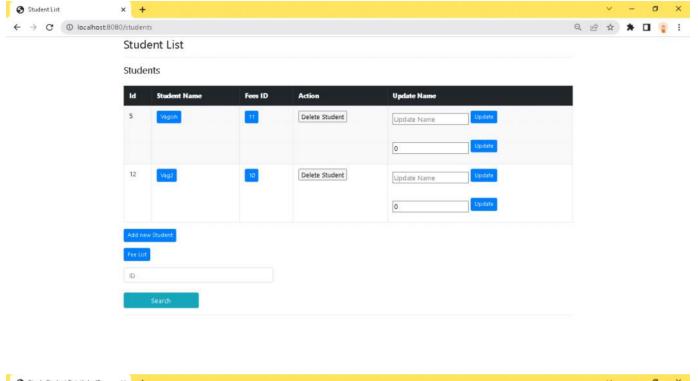


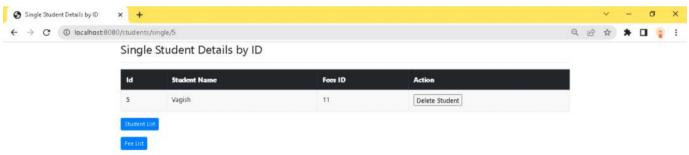


## **Eureka Server Output:**

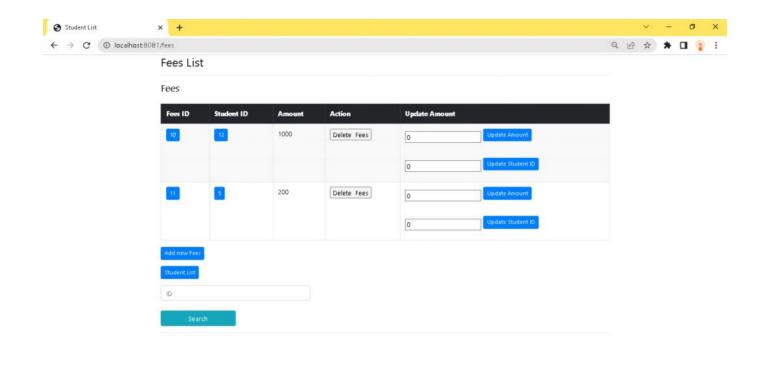


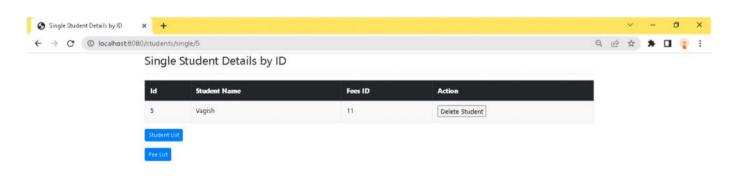
# **Student MS Output:**



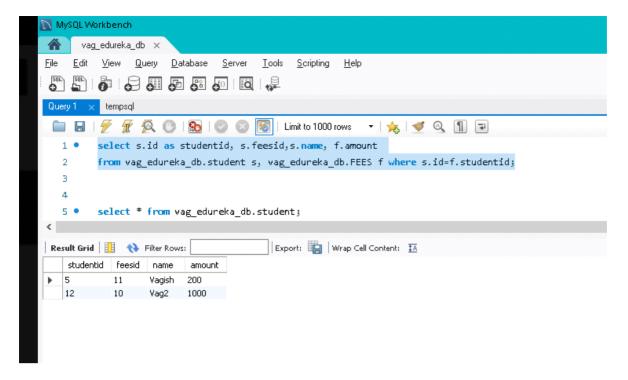


# **Fees MS Output**





# **Database Output:**



Uploaded PDF with consolidated Screenshots to create Student MS, Eureka Registry Service and Client Side Load Balancer to perform all the mentioned Tasks.

Also, all the related Maven Codes, result Screenshot PDF is saved on GIT Repo:

https://github.com/Vagish619/Edureka-Microservices.git

## **Branch Name:**

Assignments\_And\_Projects