

**IT4020**

**Modern Topics in IT**

**4th Year, 1st Semester**

Assignment 2

**ENTERPRISE APPLICATION INTEGRATION (EAI)**

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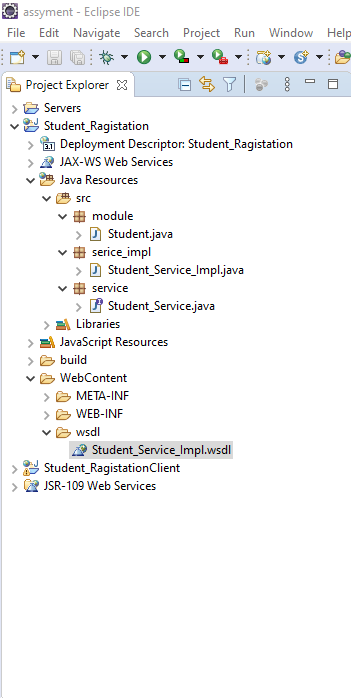
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# **Source Code:**

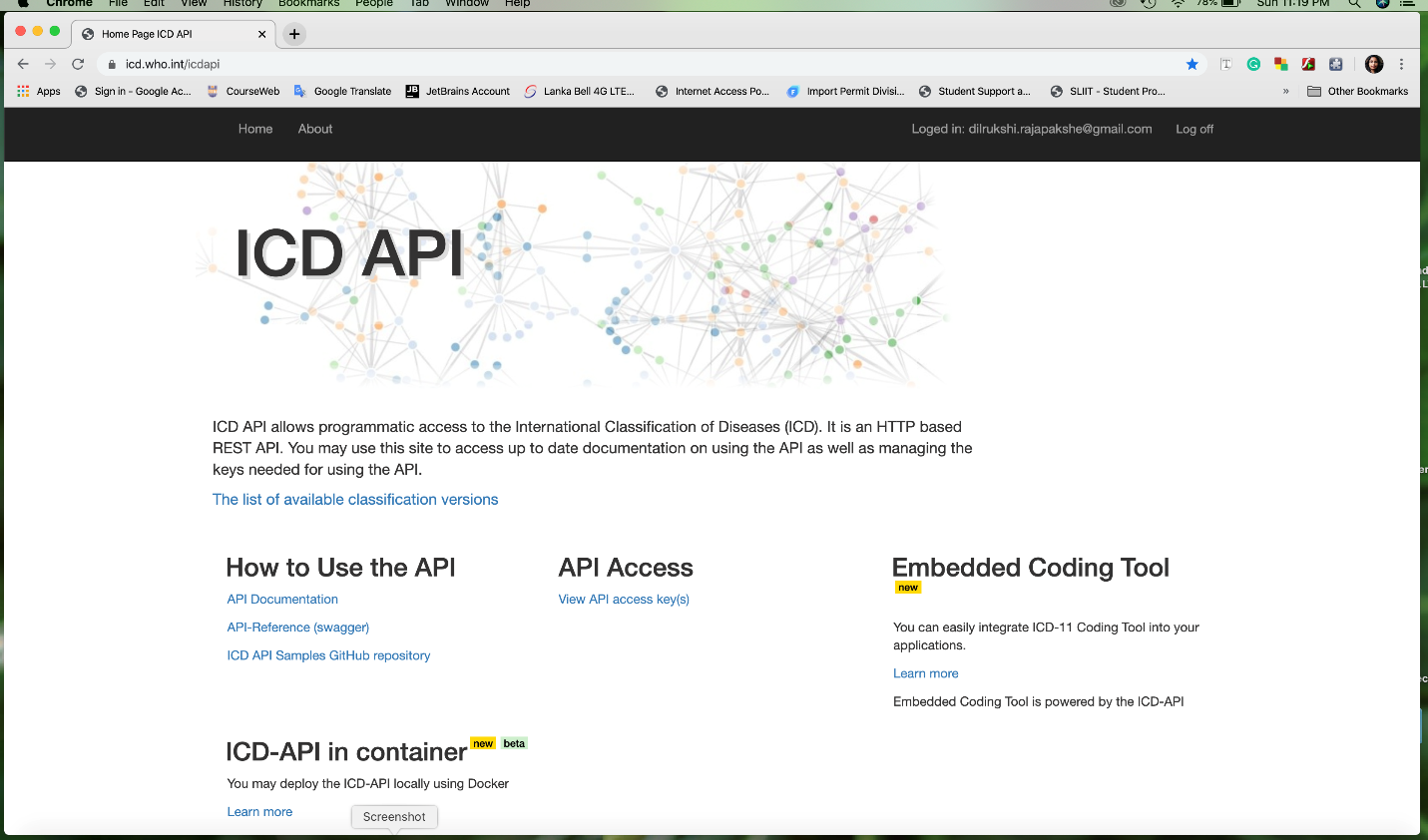
<https://github.com/abc-instertute/SOAP-Assyment>

this service base on student registration service these screenshots are the outcome of the project. We use MVC architecture to develop java web service.

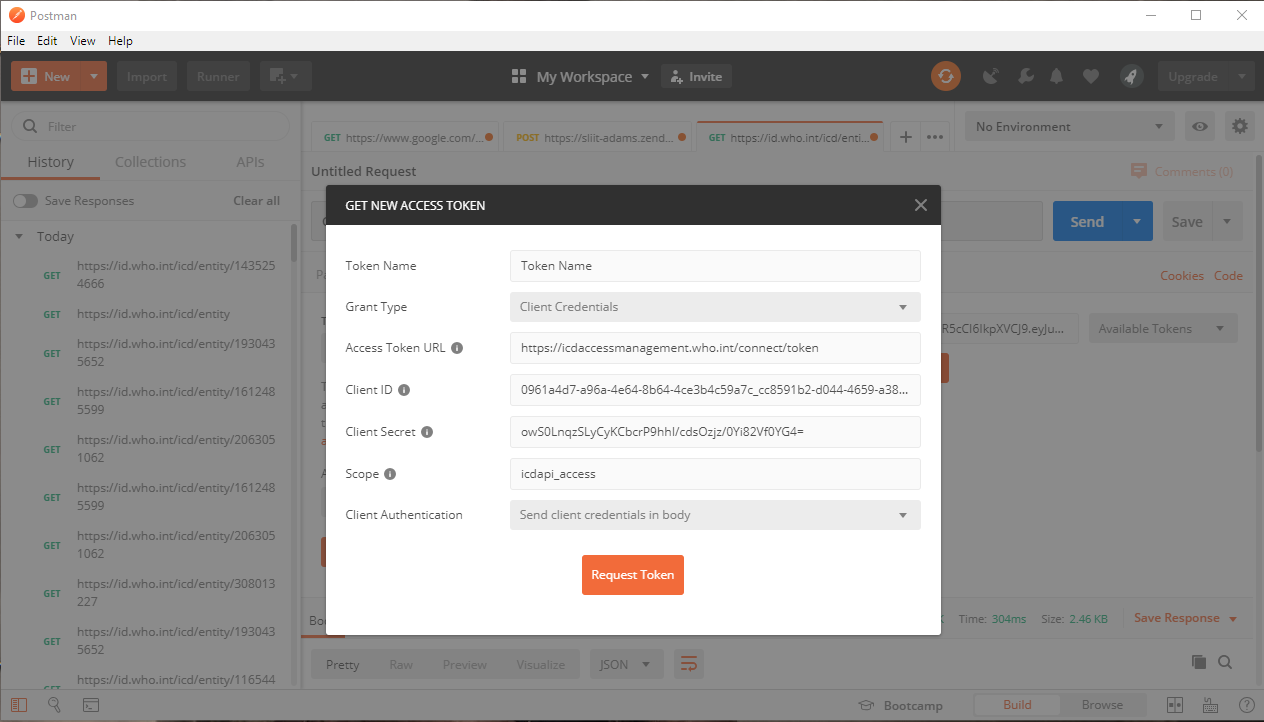


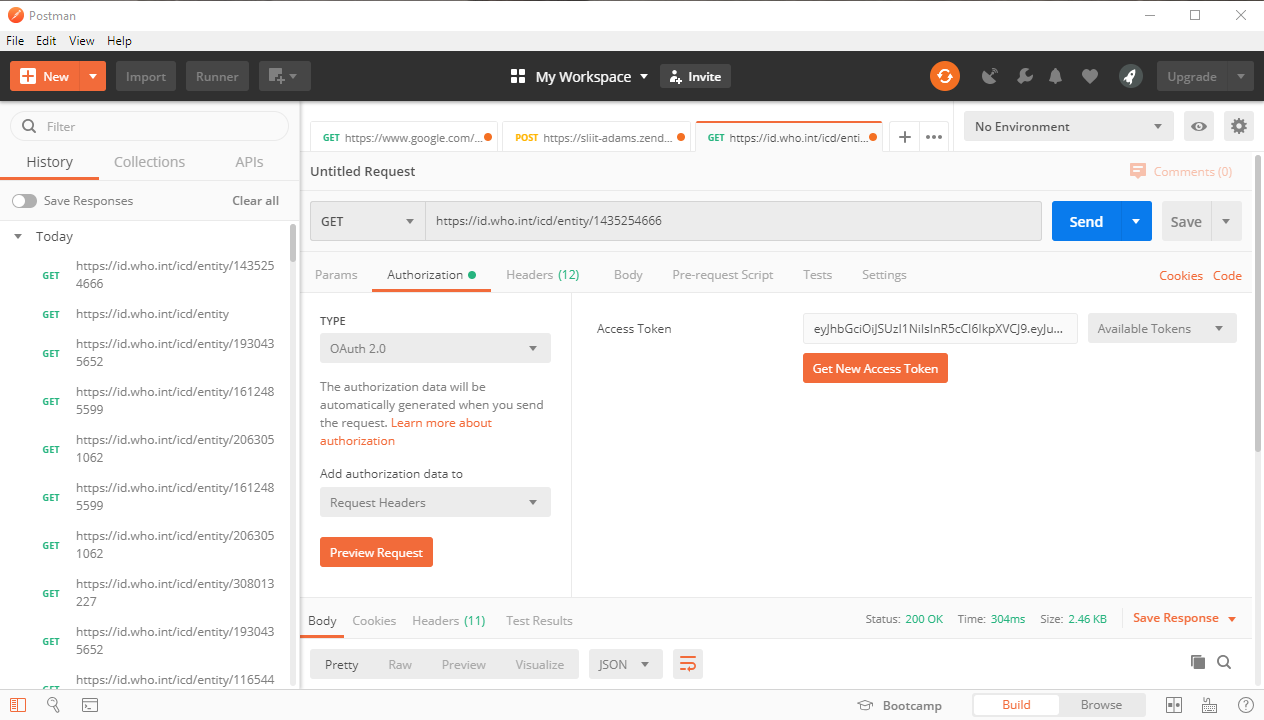
# **Access API service through the Postman package**

The API accessed site:



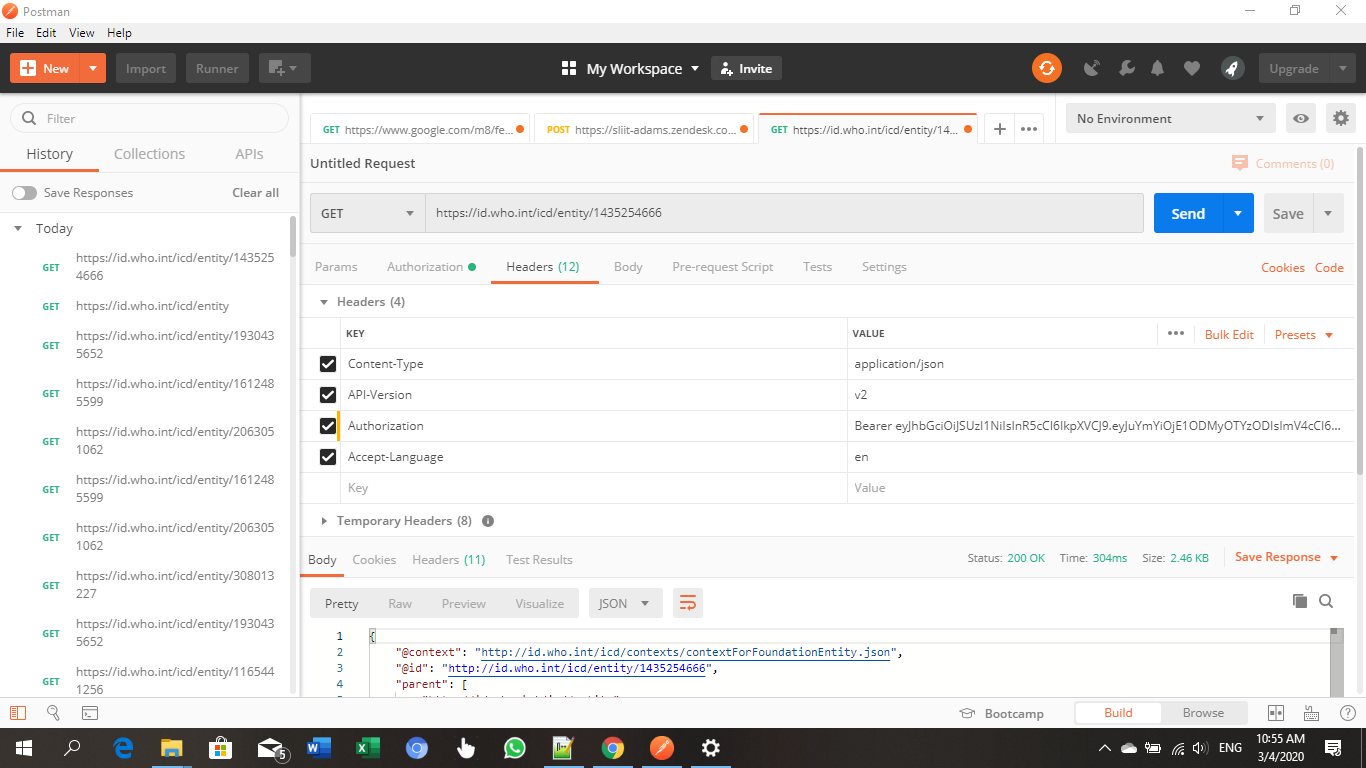
Request for a new access token:

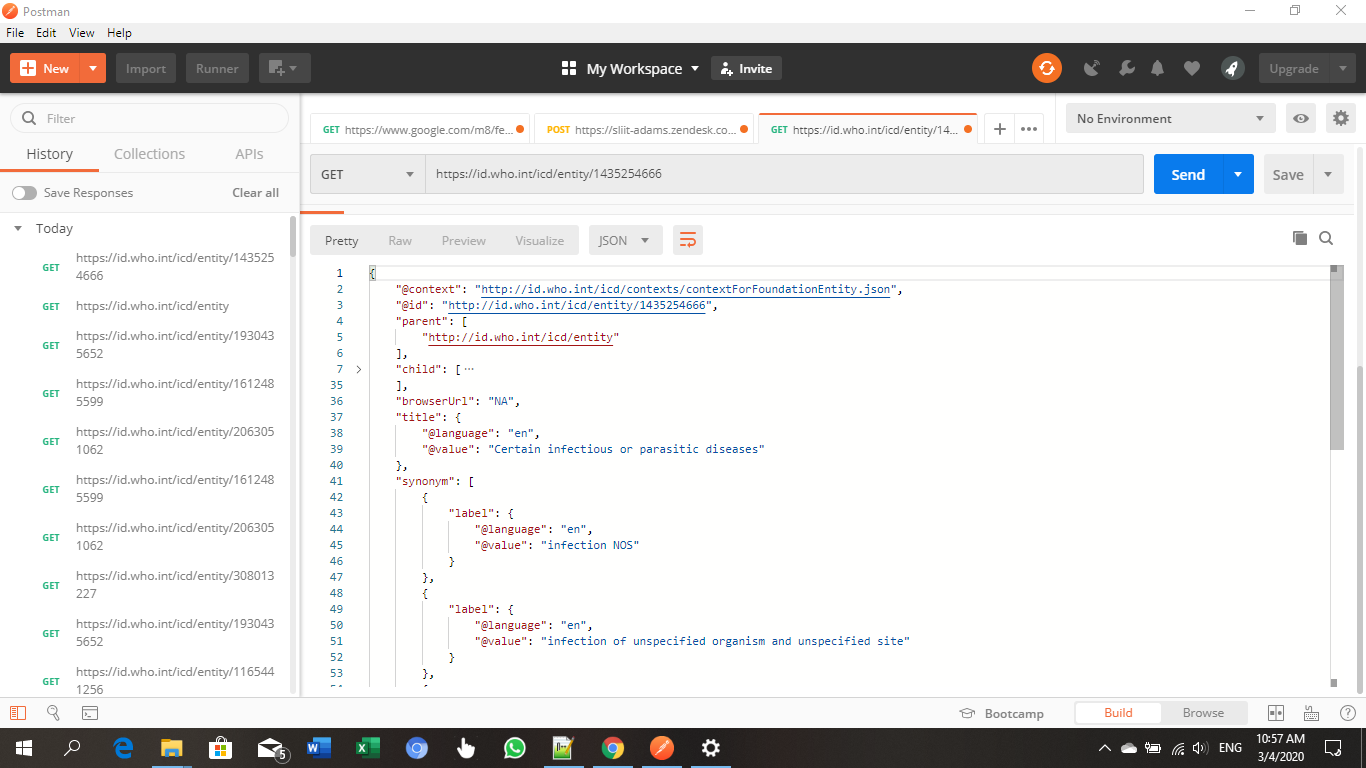


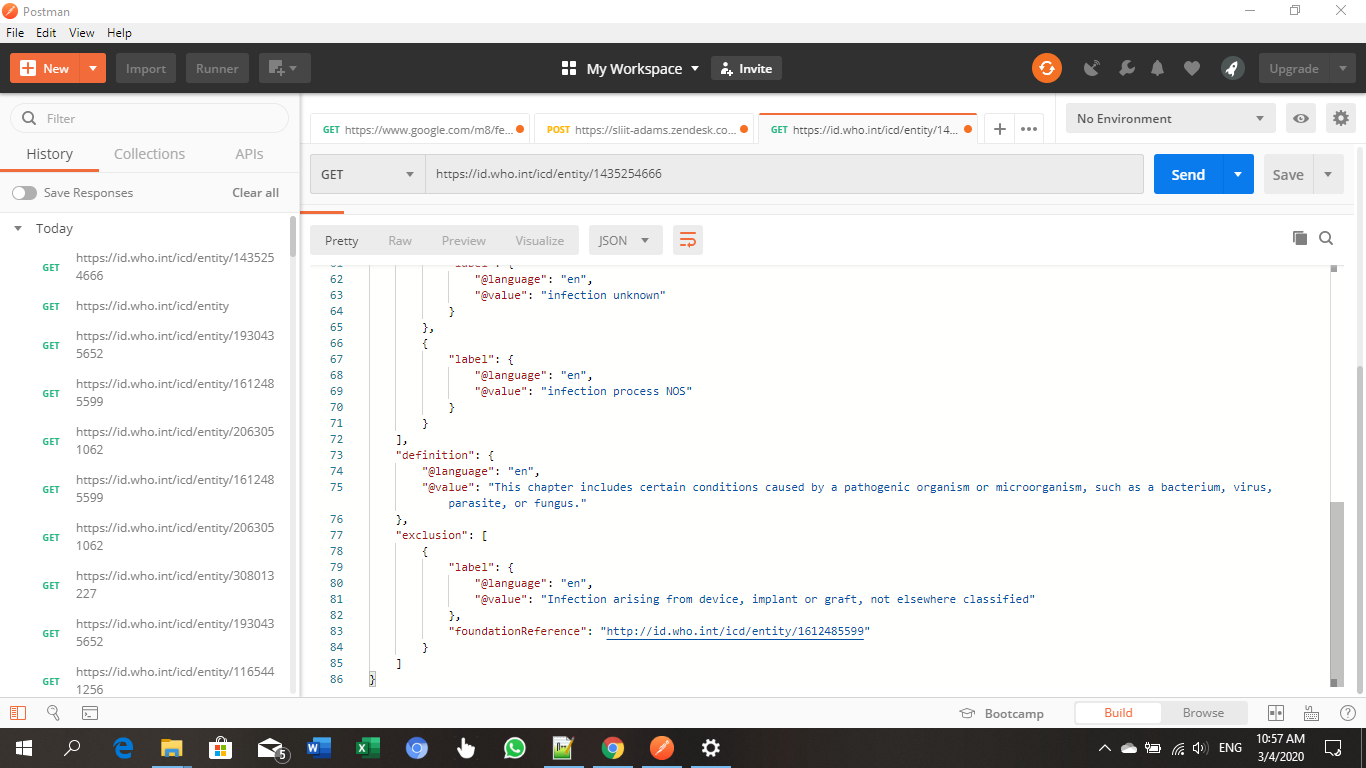
Configure the Authorization section in postman  


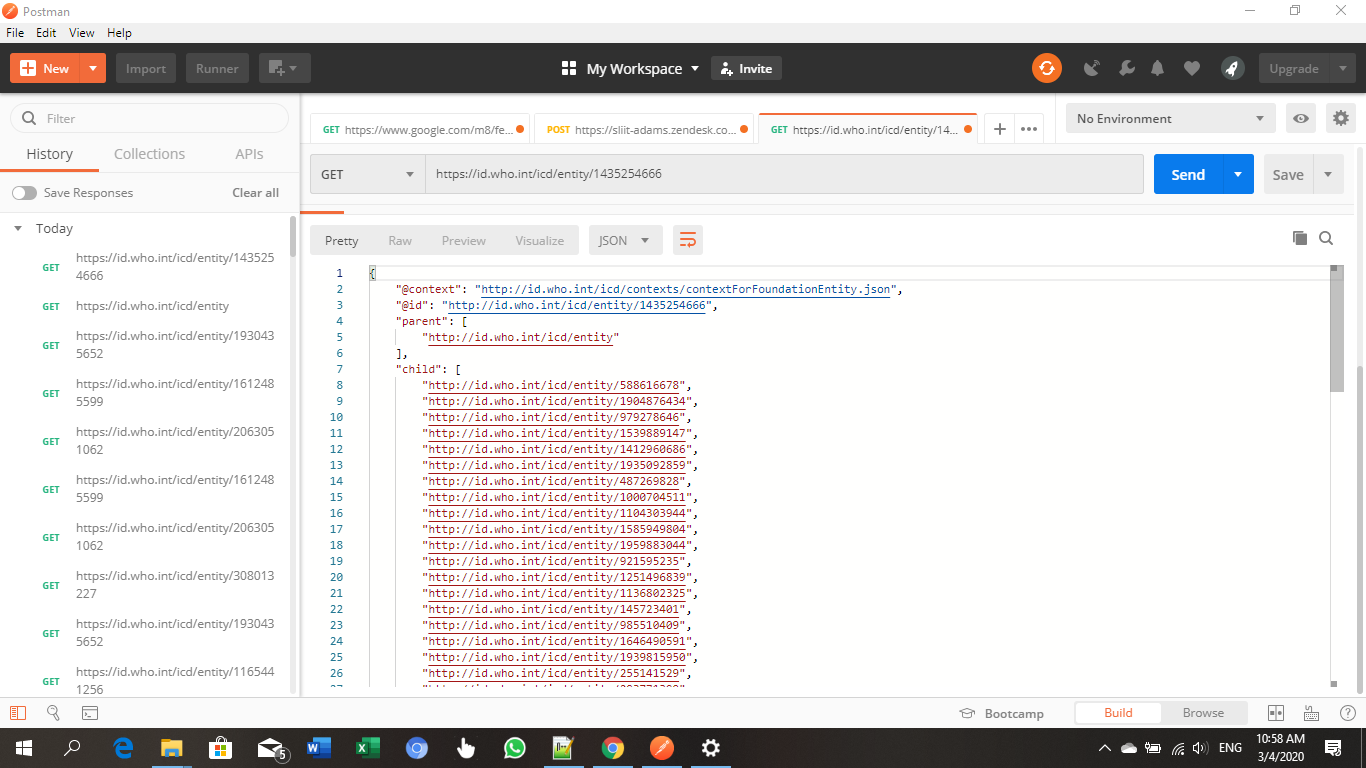
Configure the Header section by entering Keys and Values

Send the GET request and also can see the relevent response body with 200 OK



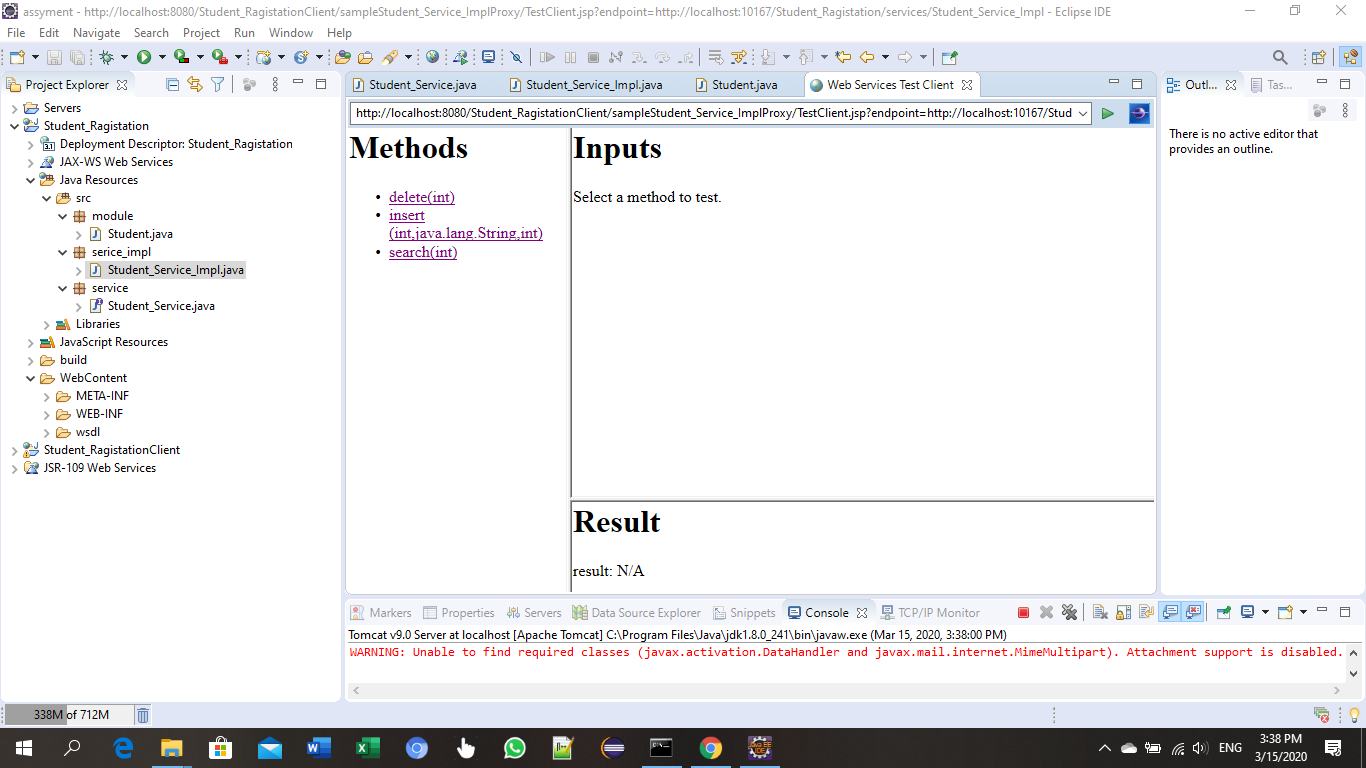




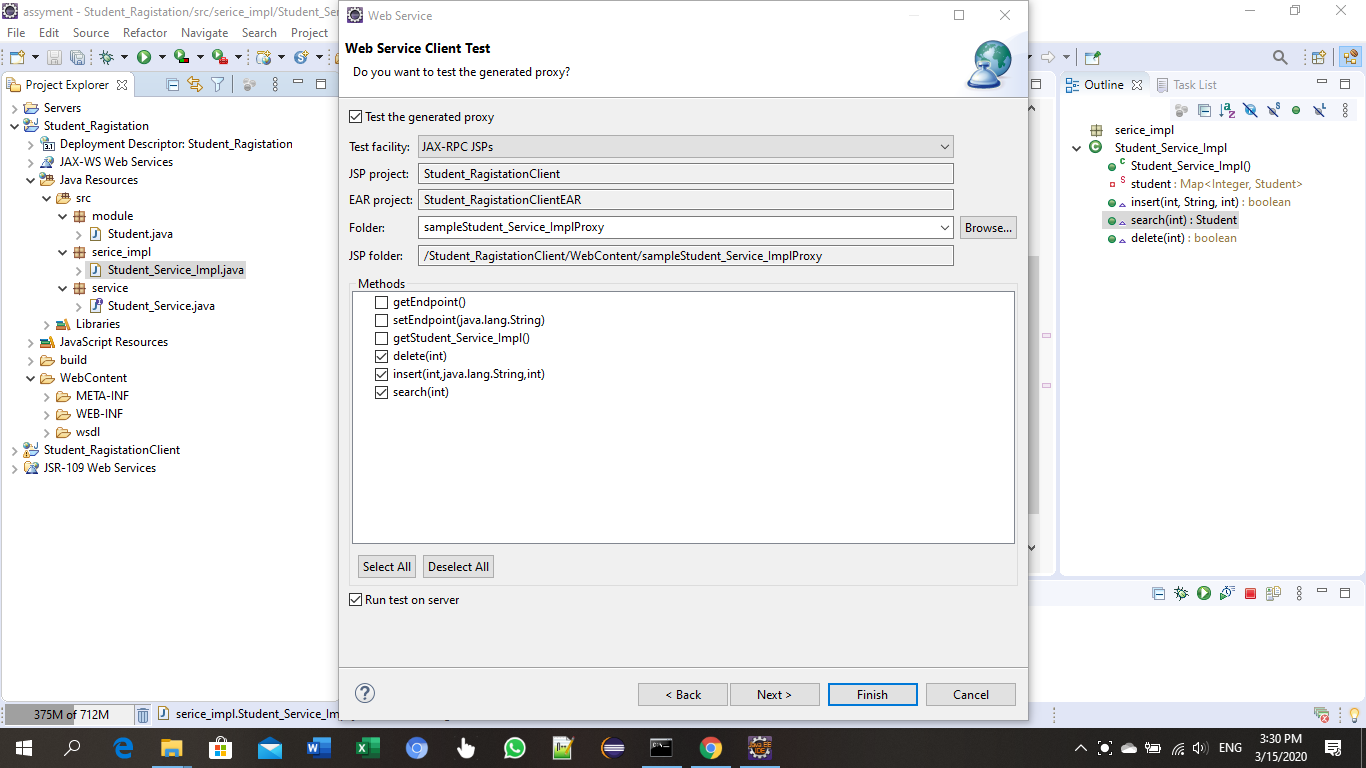


# **SOAP web service example in Eclipse**

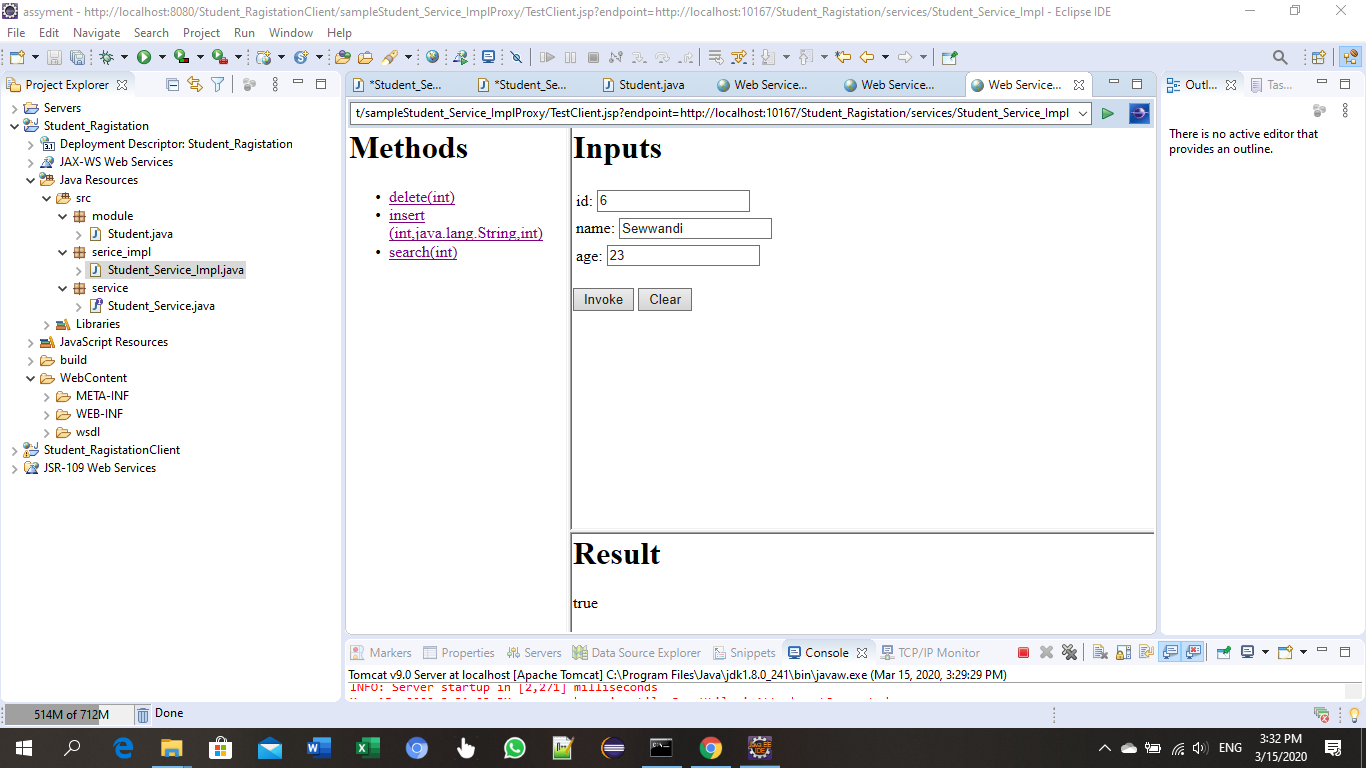
Have to create the client project in Eclipse workspace, it will also launch client test JSP page as shown below.



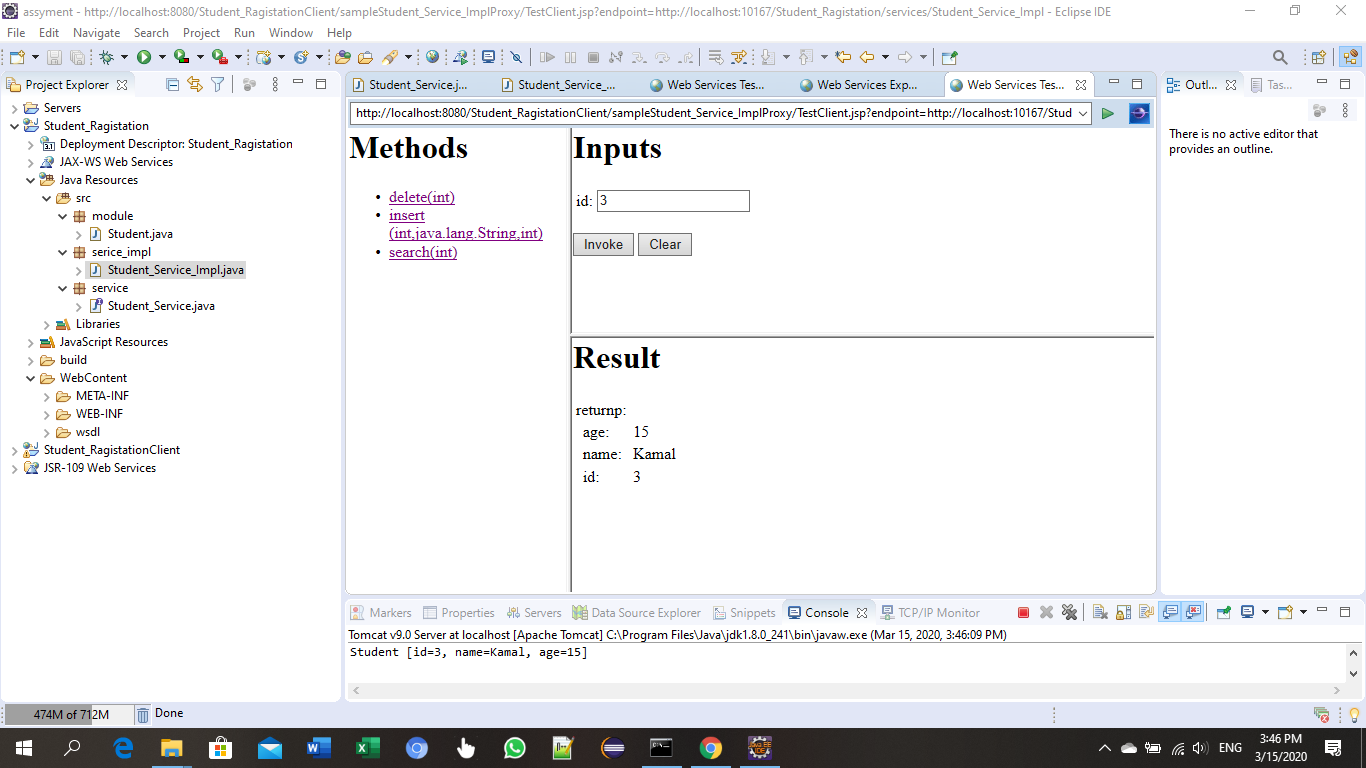
Create Student\_Service\_Impl.java class



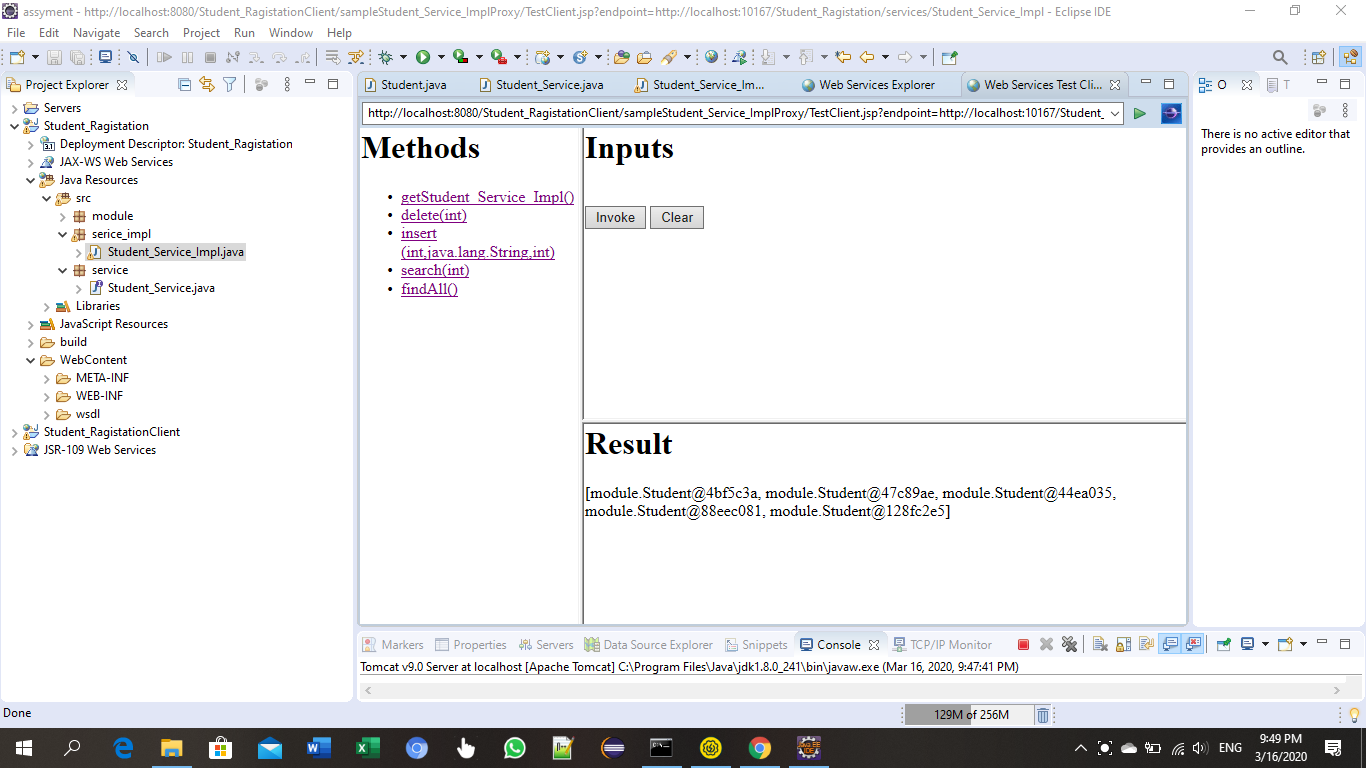
After run the project output will display as below. Initialy can be insert a record by filling some feilds



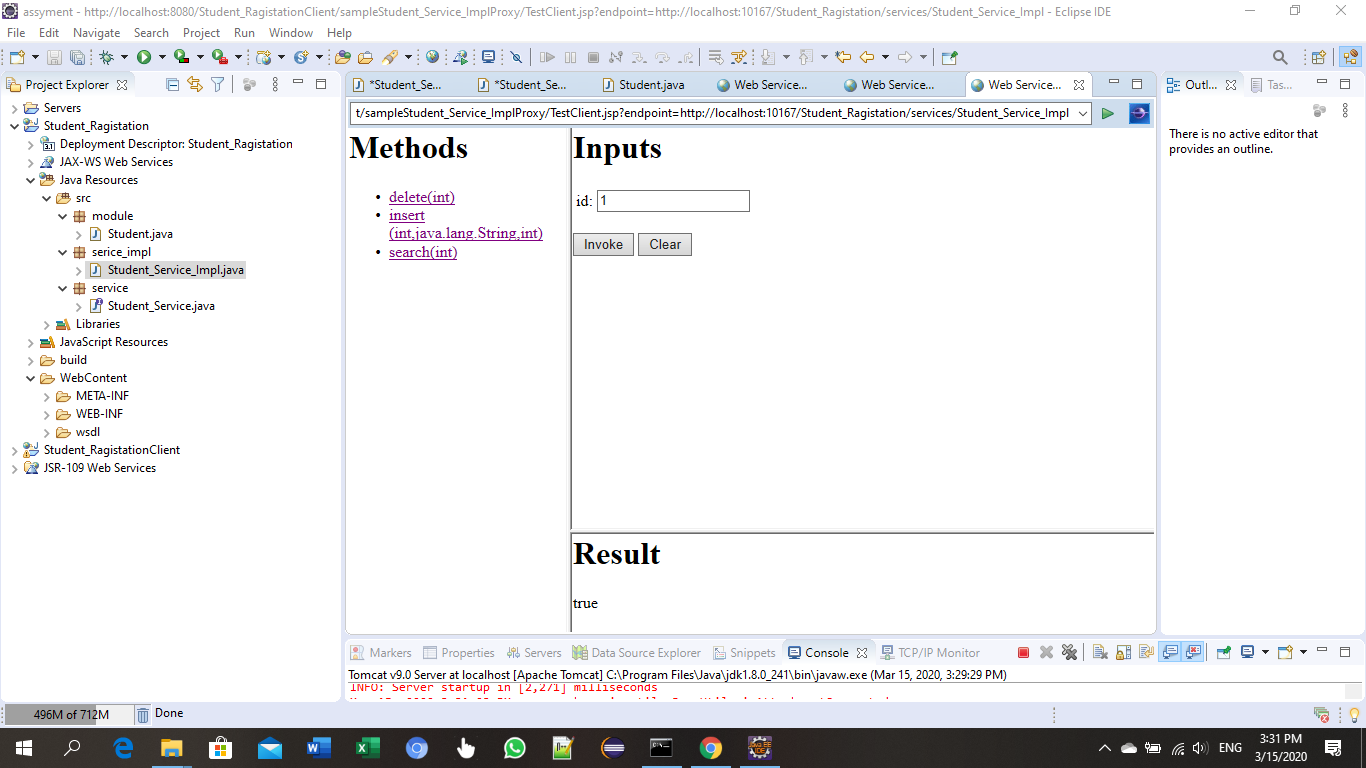
As the second operation can search for a record by giving the “id”



As the Thired operation can get All Student

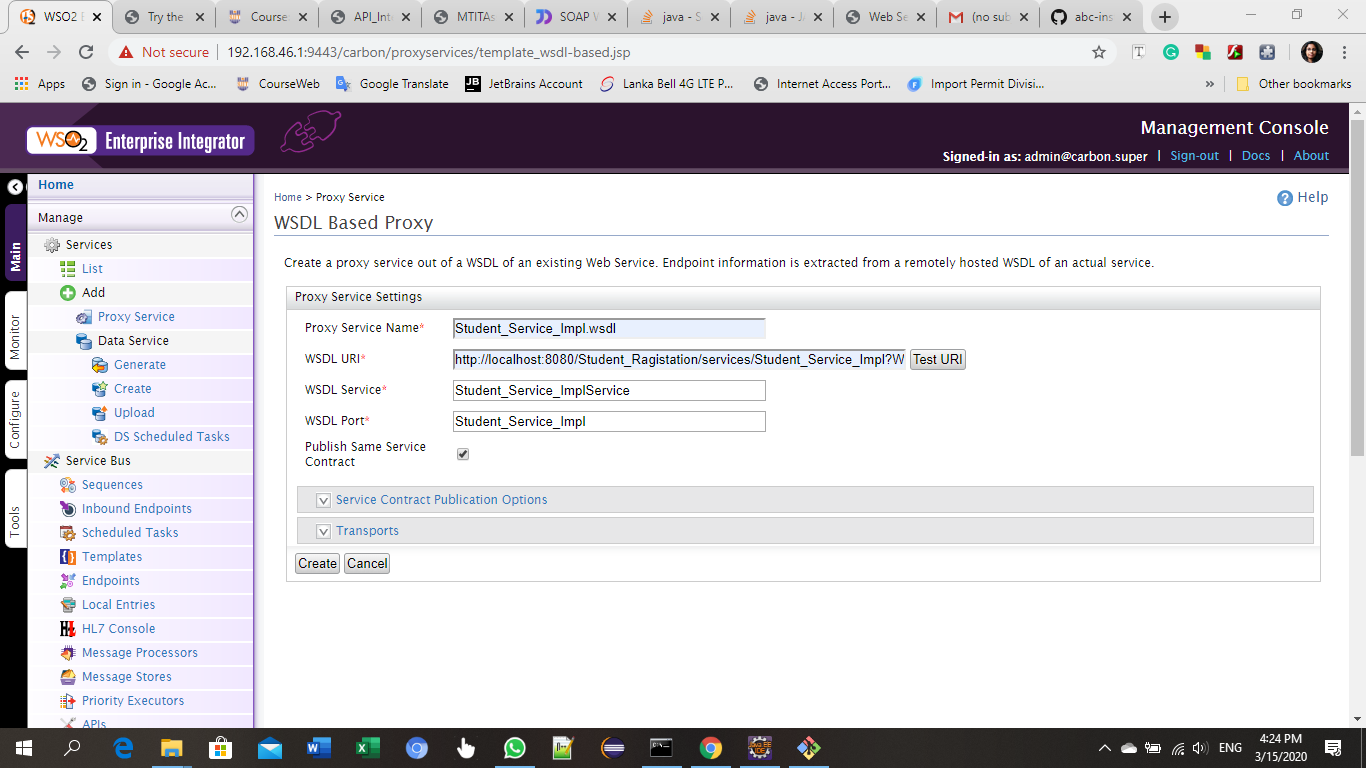


Last operation is delete a record by searching from the “id”

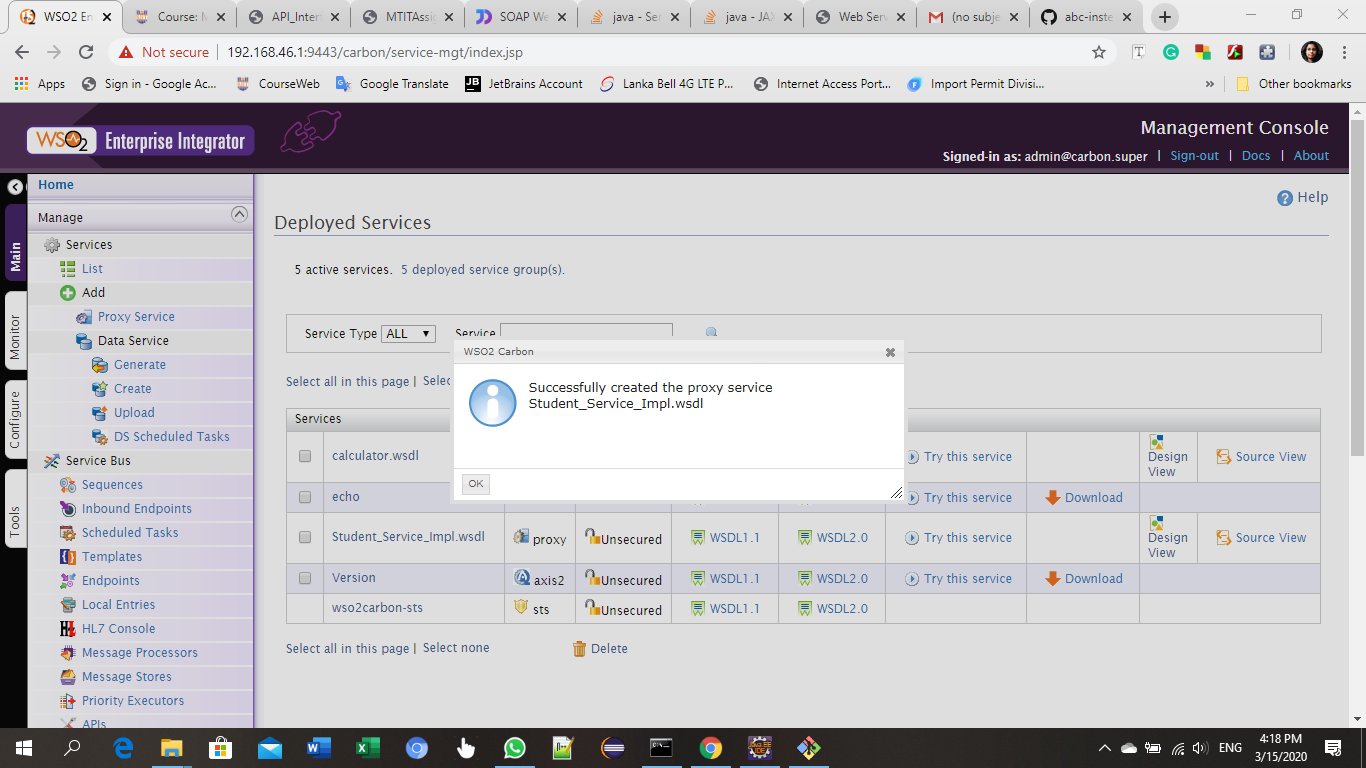


# **Access 3rd party web service through WSO2 ESB and going to test the service through ESB**

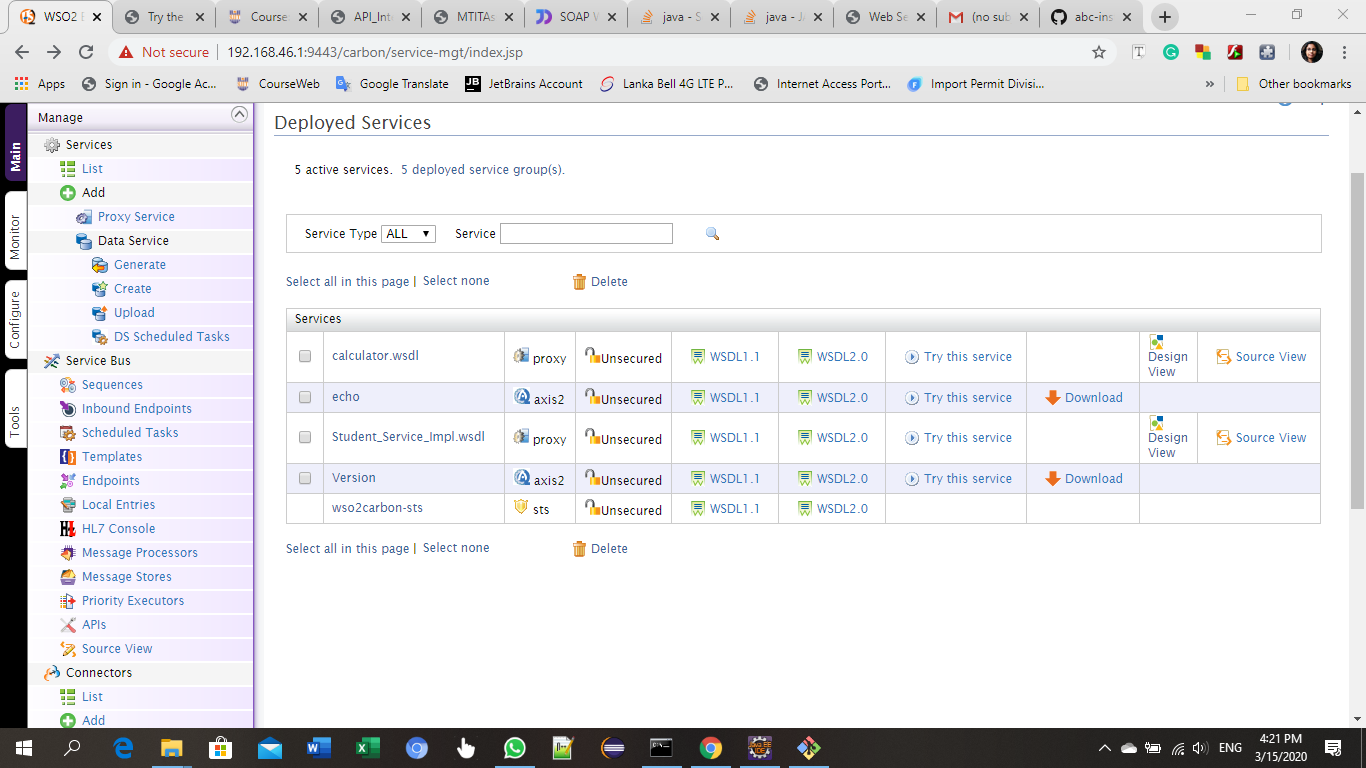
In here we are creating Student\_Service\_ImplService WSDL Service in WSO2

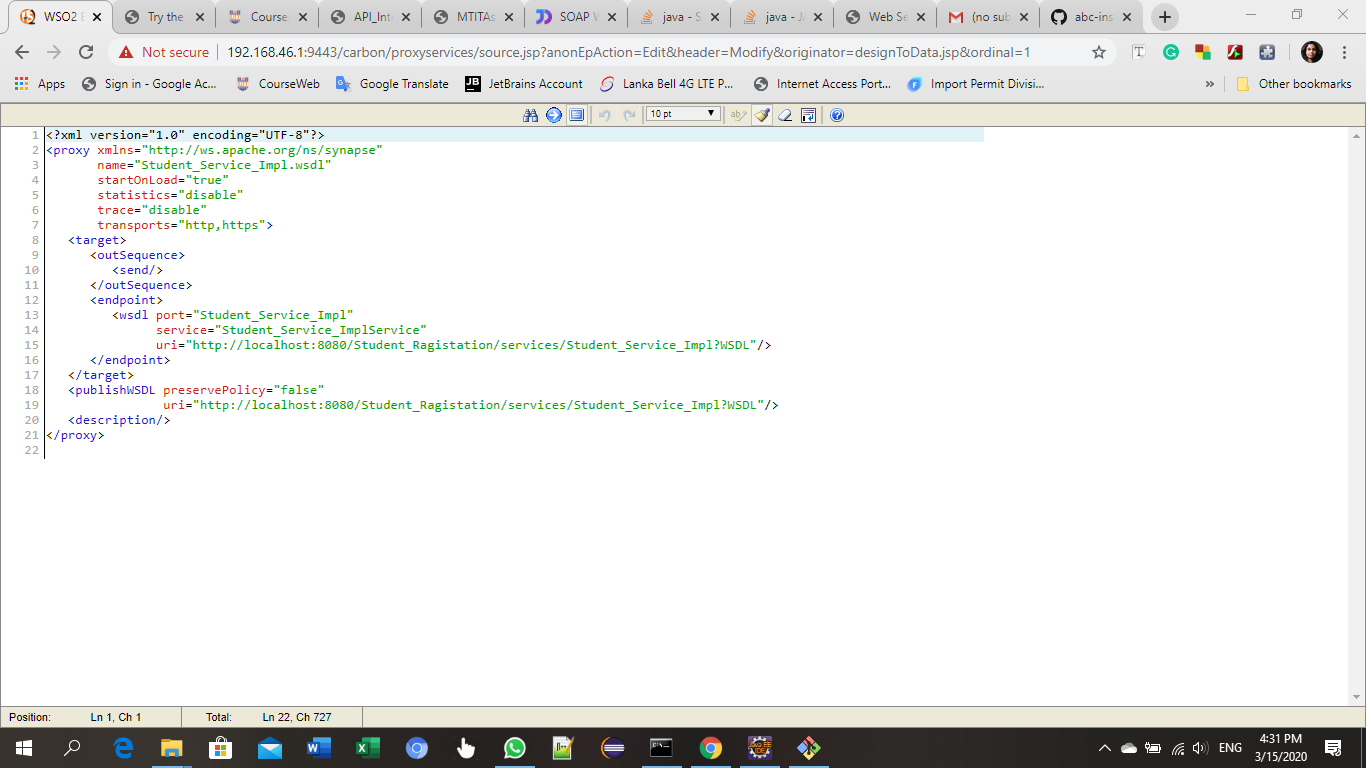


Successful status after the creation of WSO2 – WSDL based Proxy



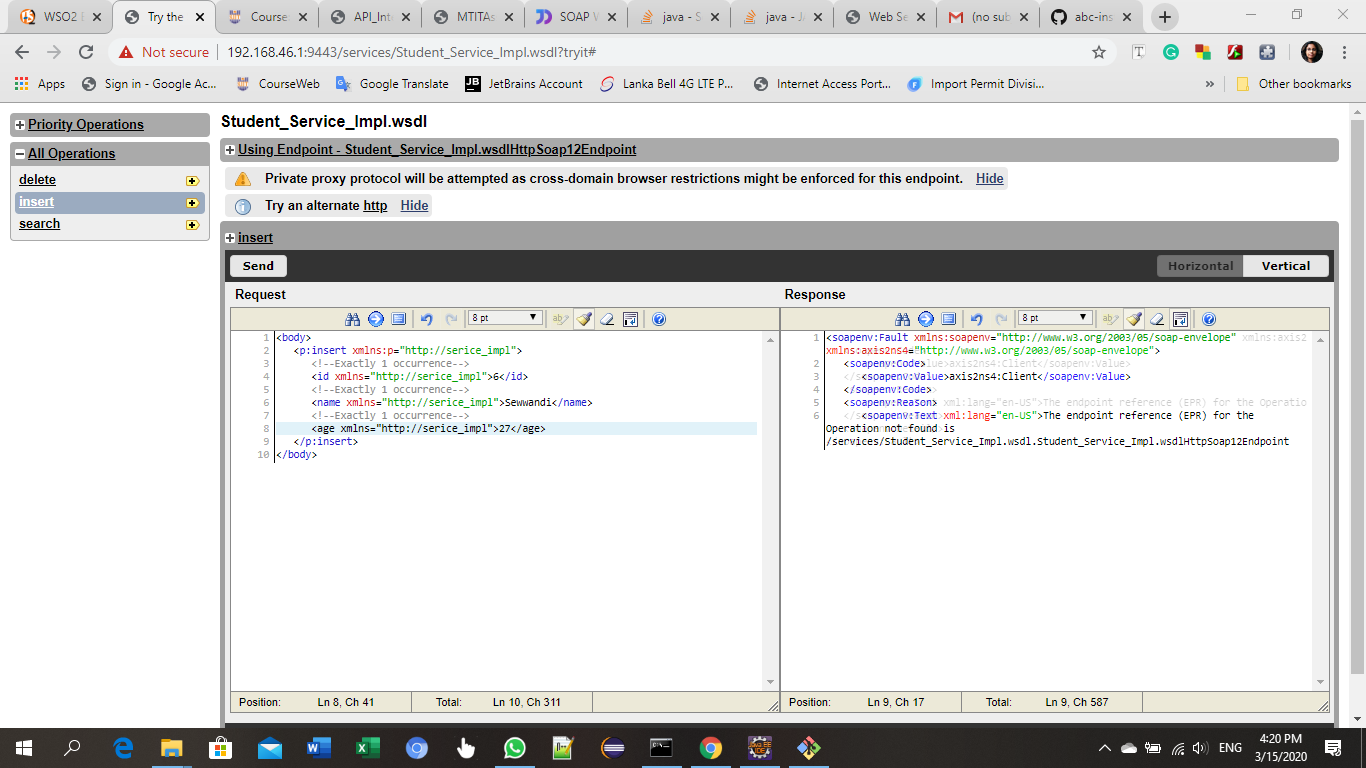
Can see the Student\_Service\_Impl.wsdl proxy service



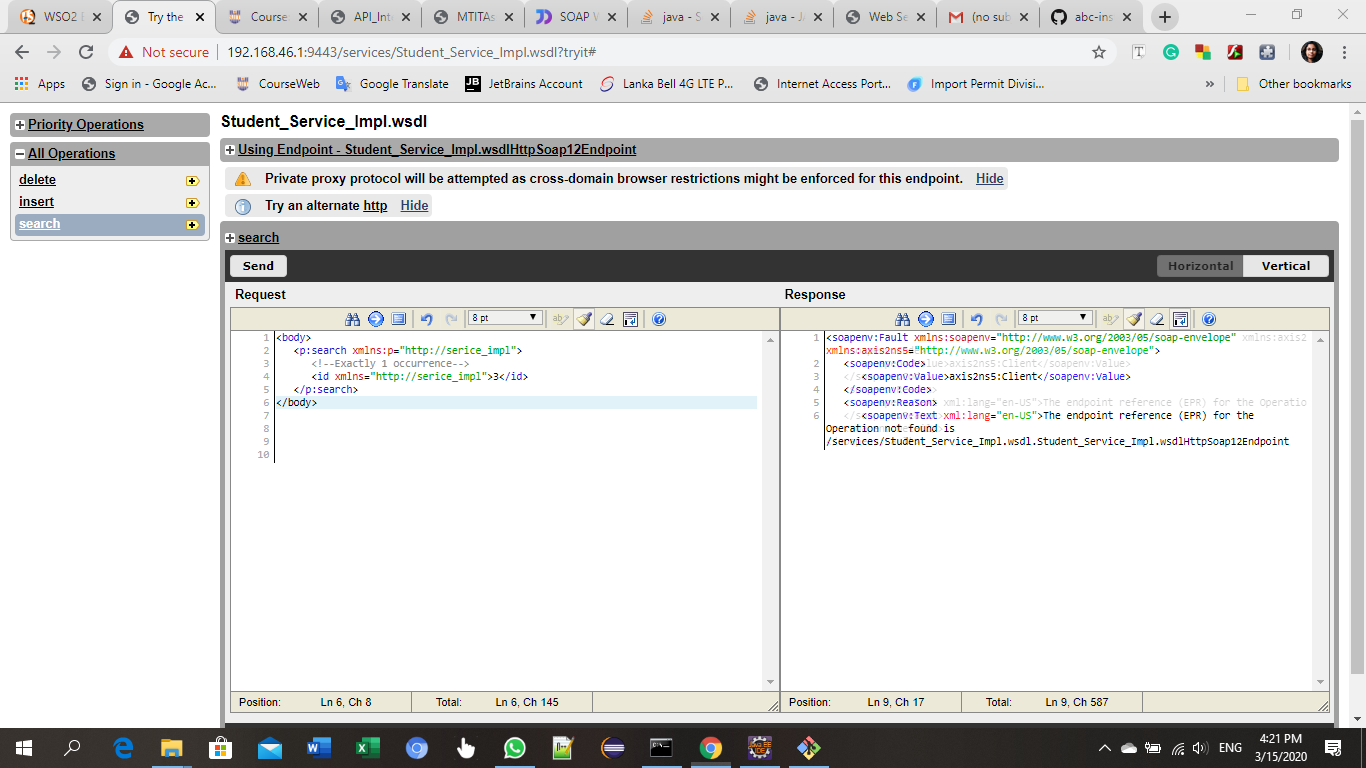


By clicking “Try this service” in Student\_Service\_Impl.wsdl Service, web service will open in web browser. Display as below

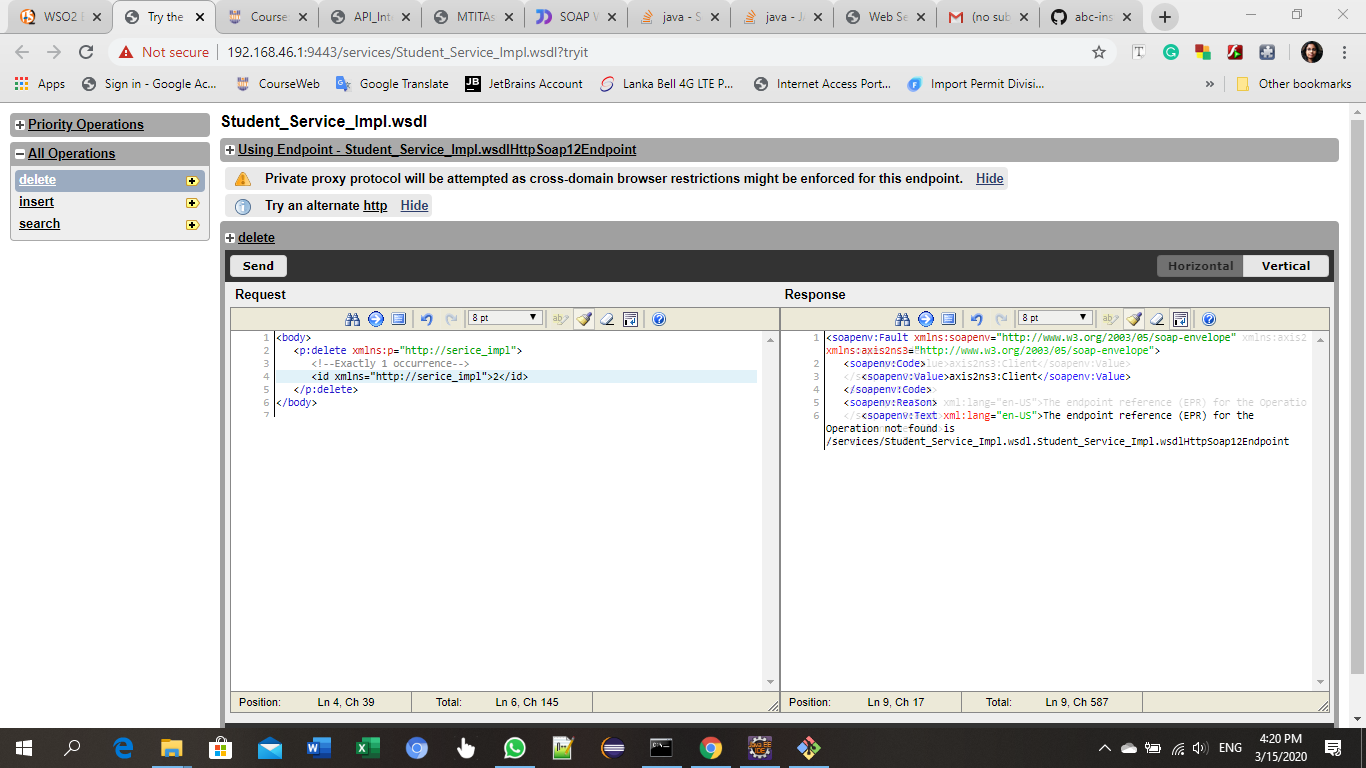
According to the Insert operation. Give the relevant data to implement the insert operation

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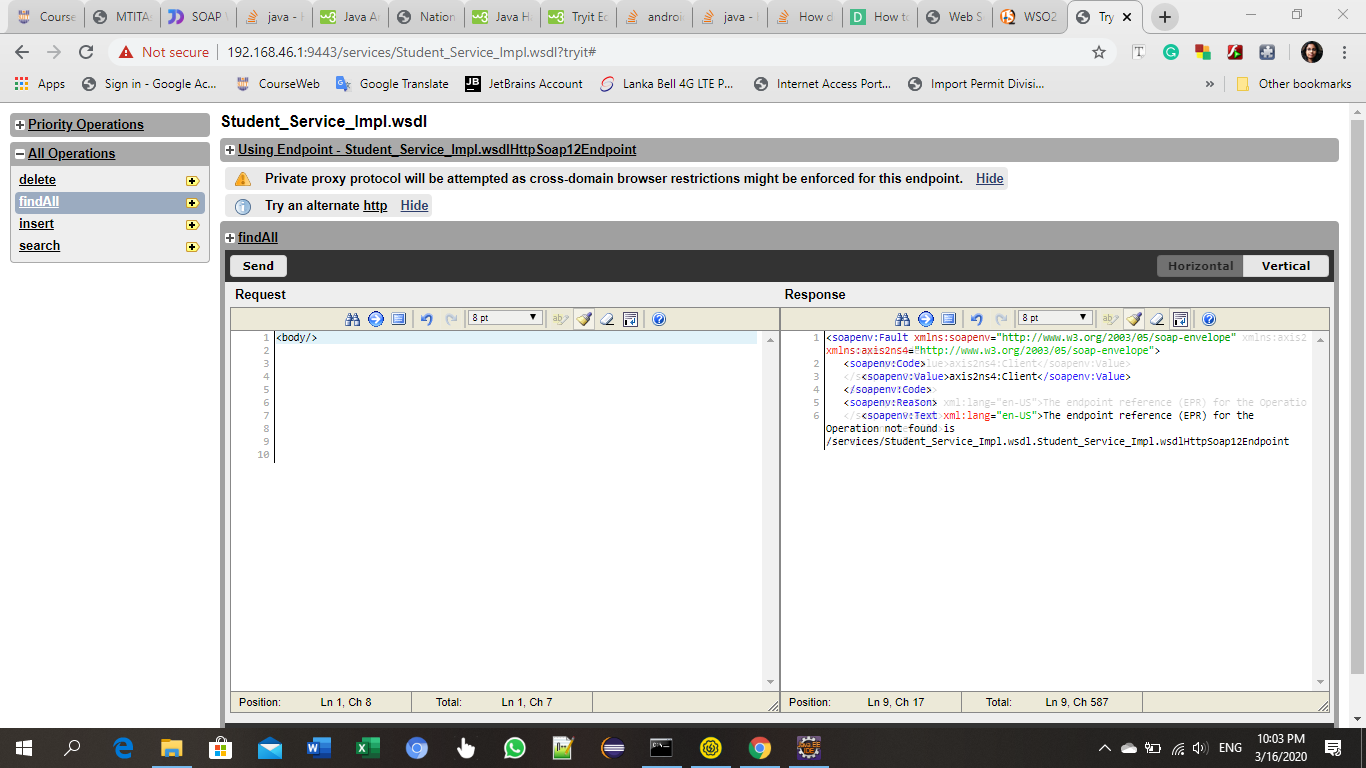
In search operation can search a record by giving “id”



Delete operation. Give the relevant “id” to implement the delete operation

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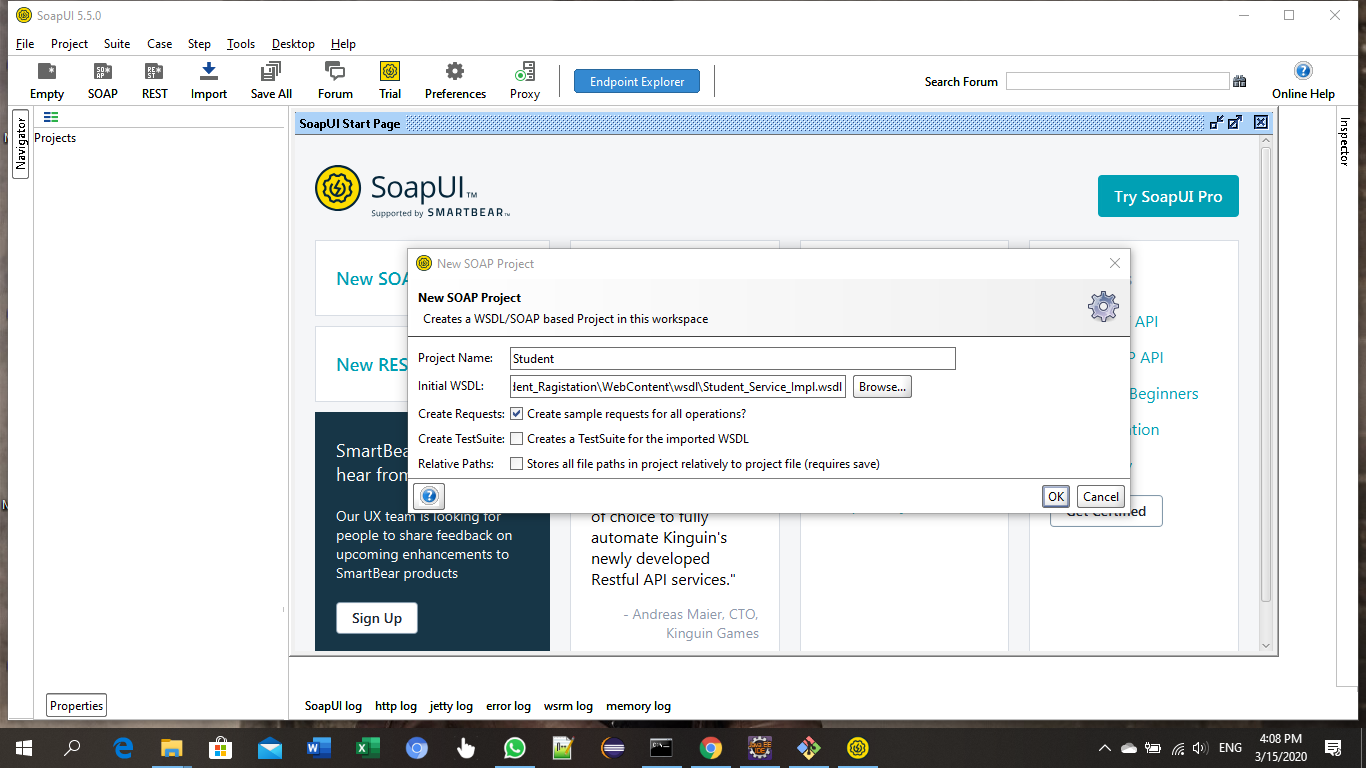
FindAll operation



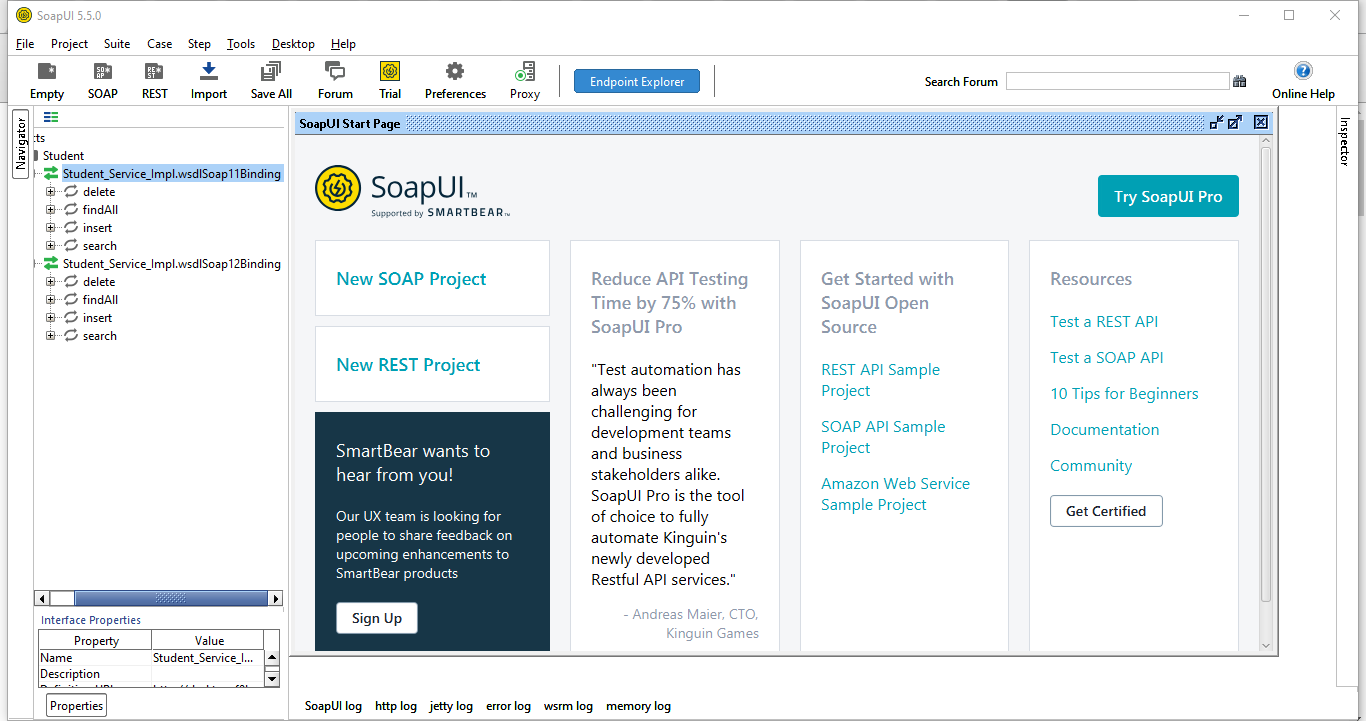
# **SOAP UI and service implementation**

SOAP UI and send requests to created web service via ESB

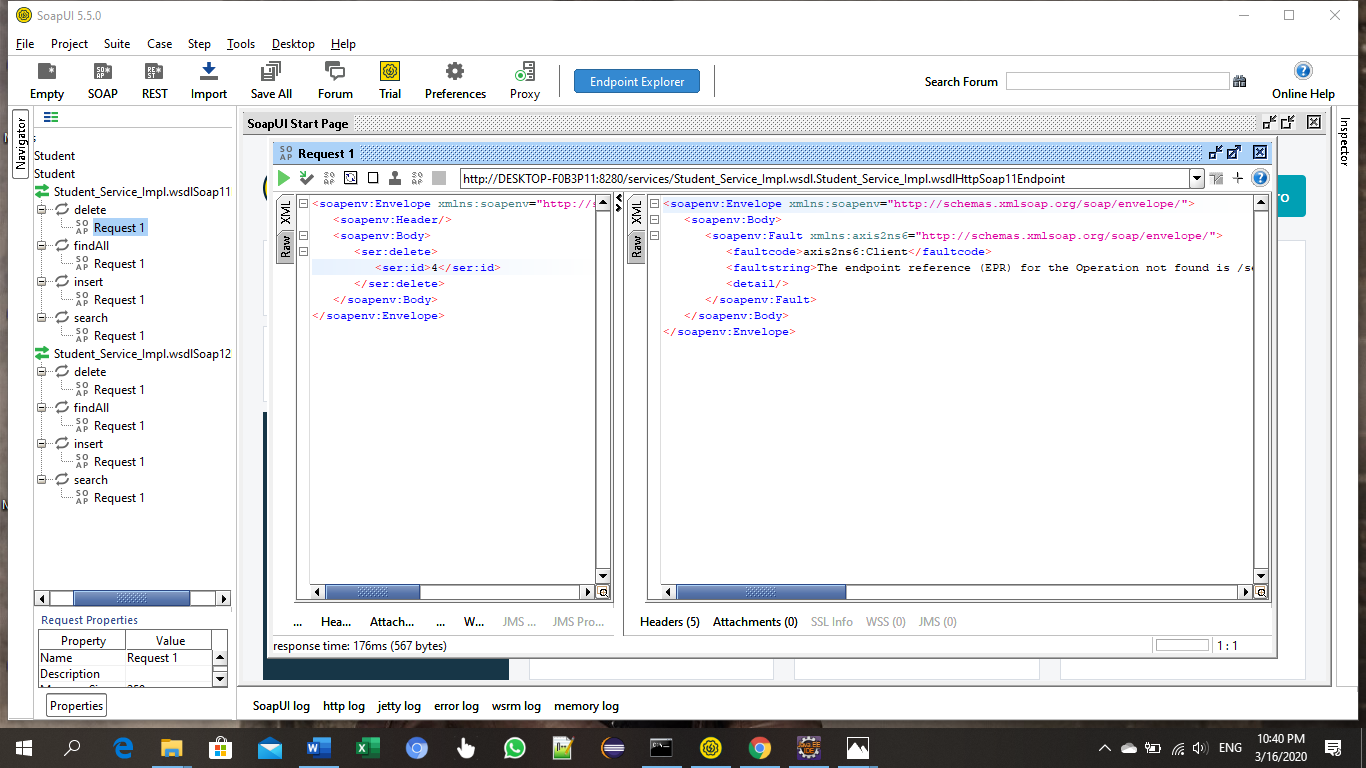
In SOAP UI have to create a SOAP project



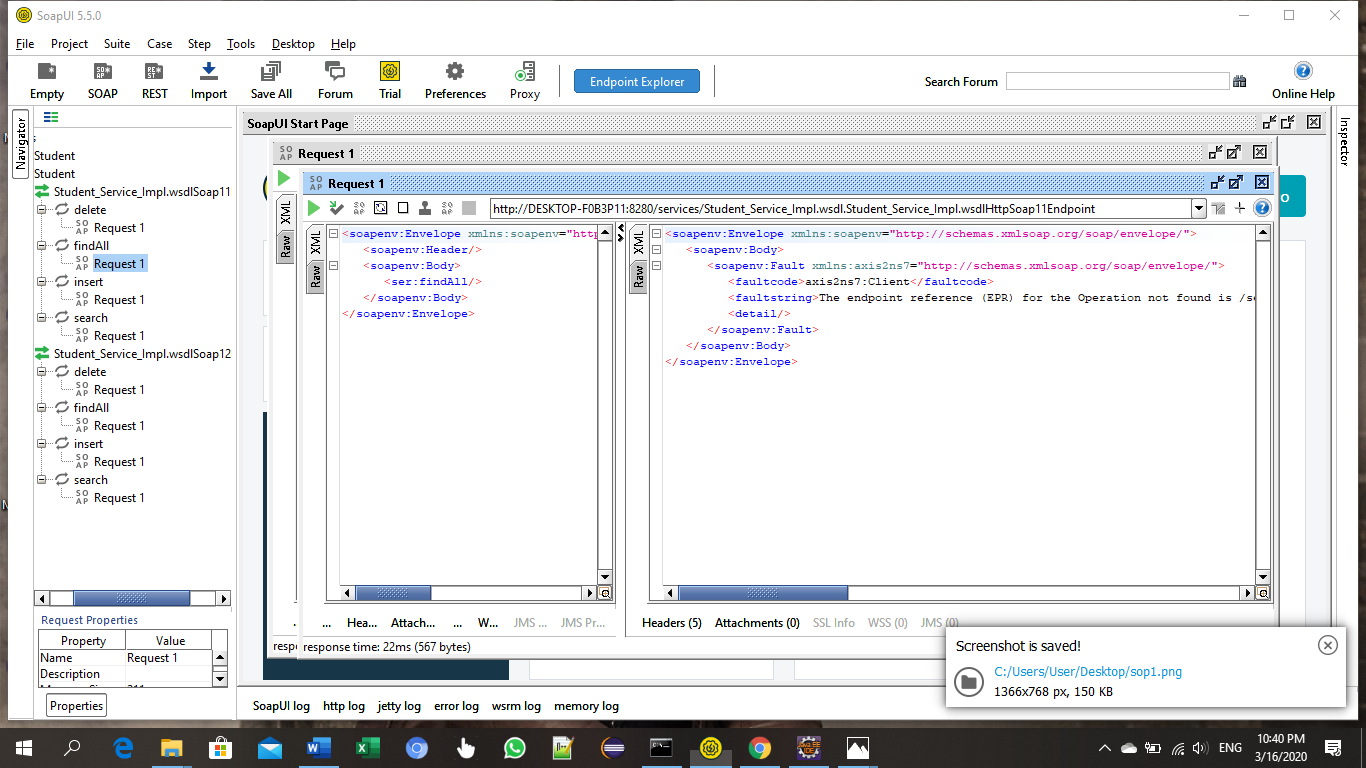
SOAP UI will display as below after crating the project



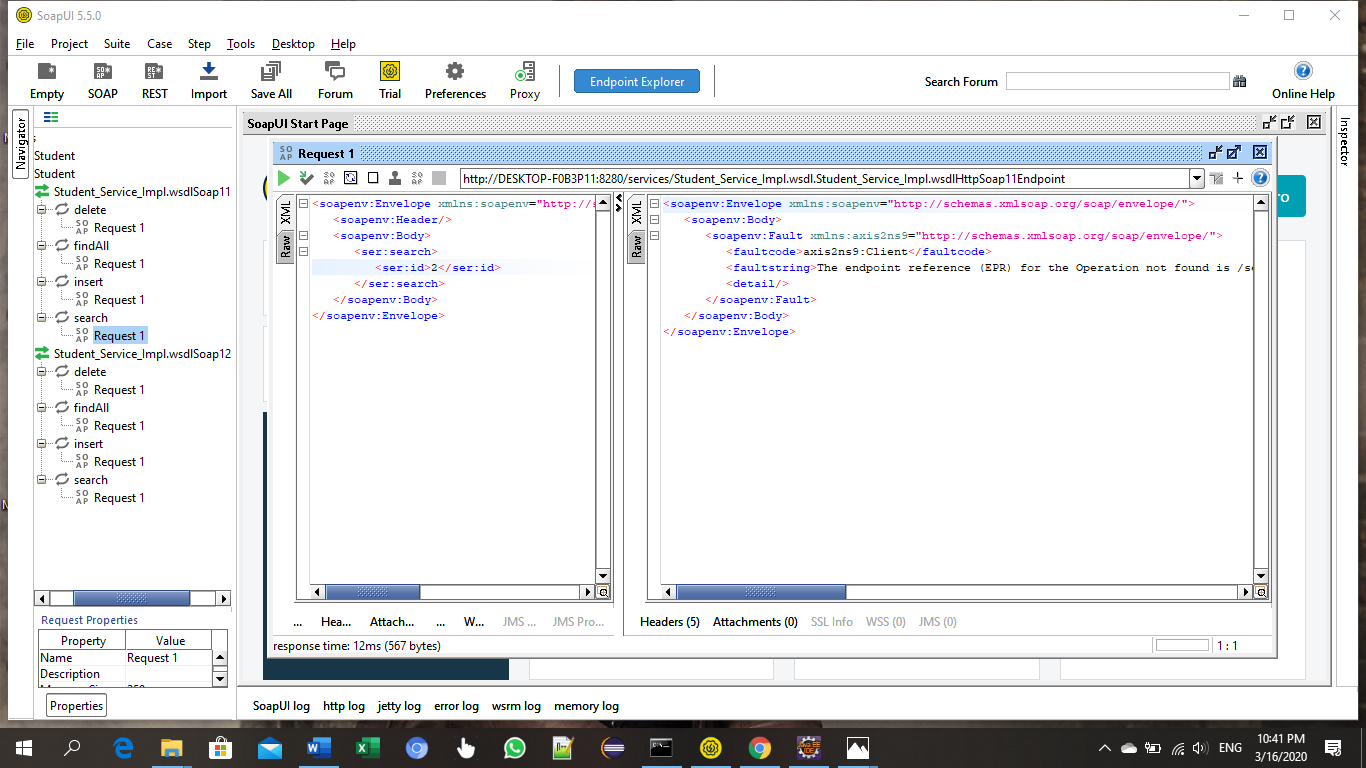
Delete:



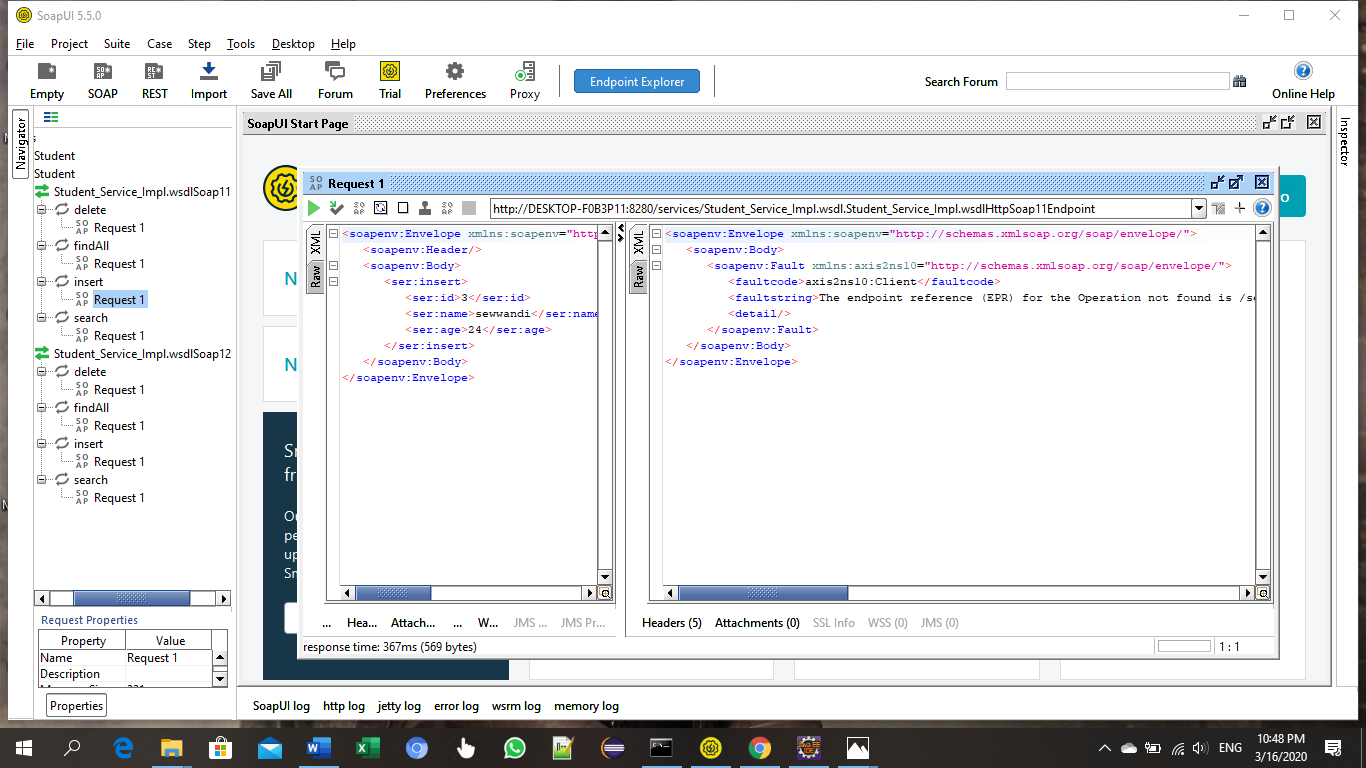
FindAll:



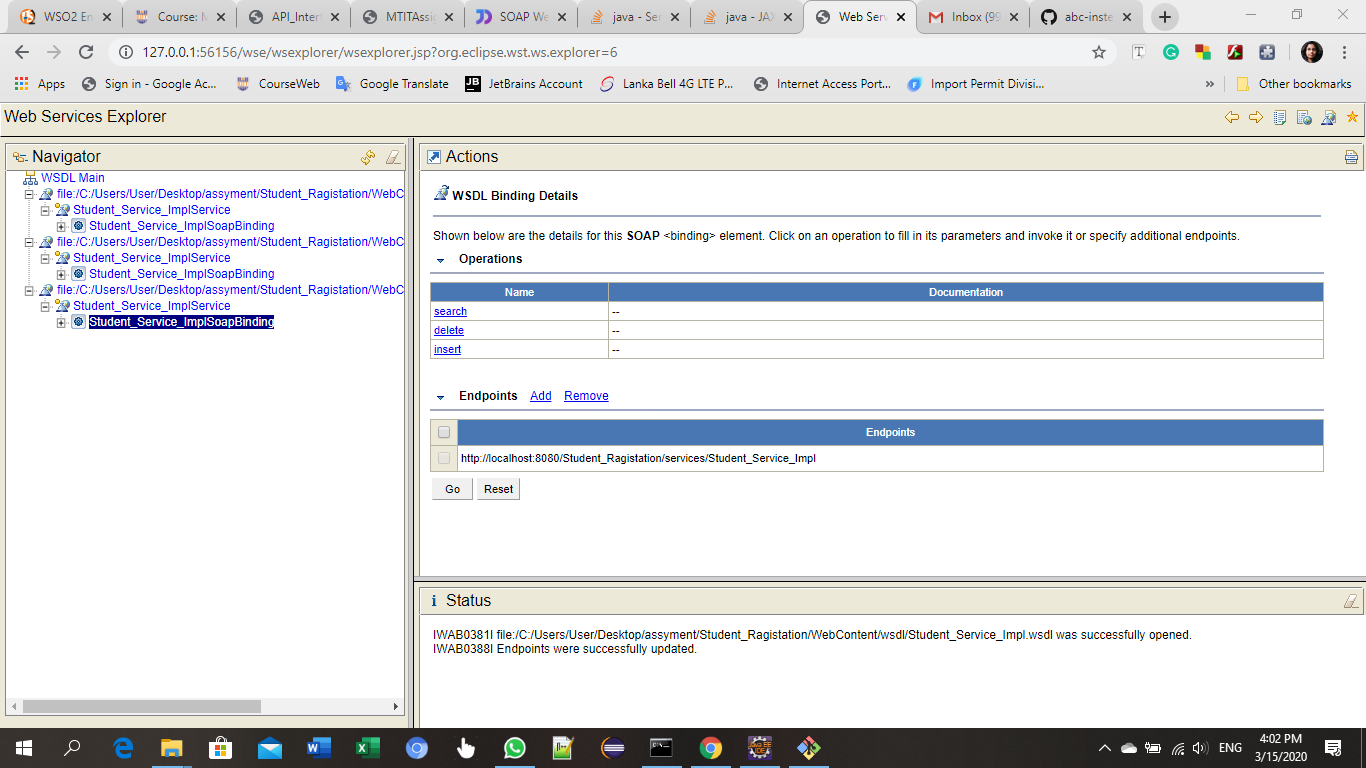
Search:



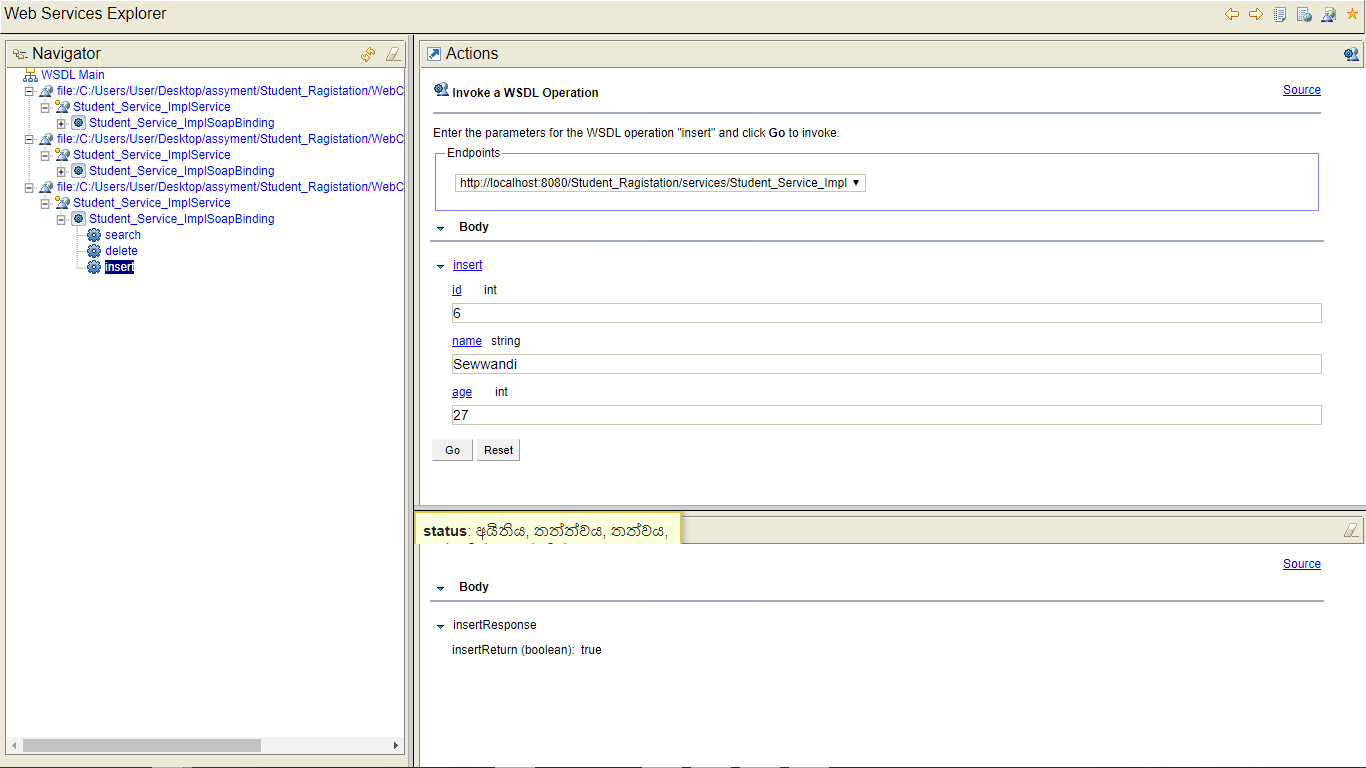
Insert:



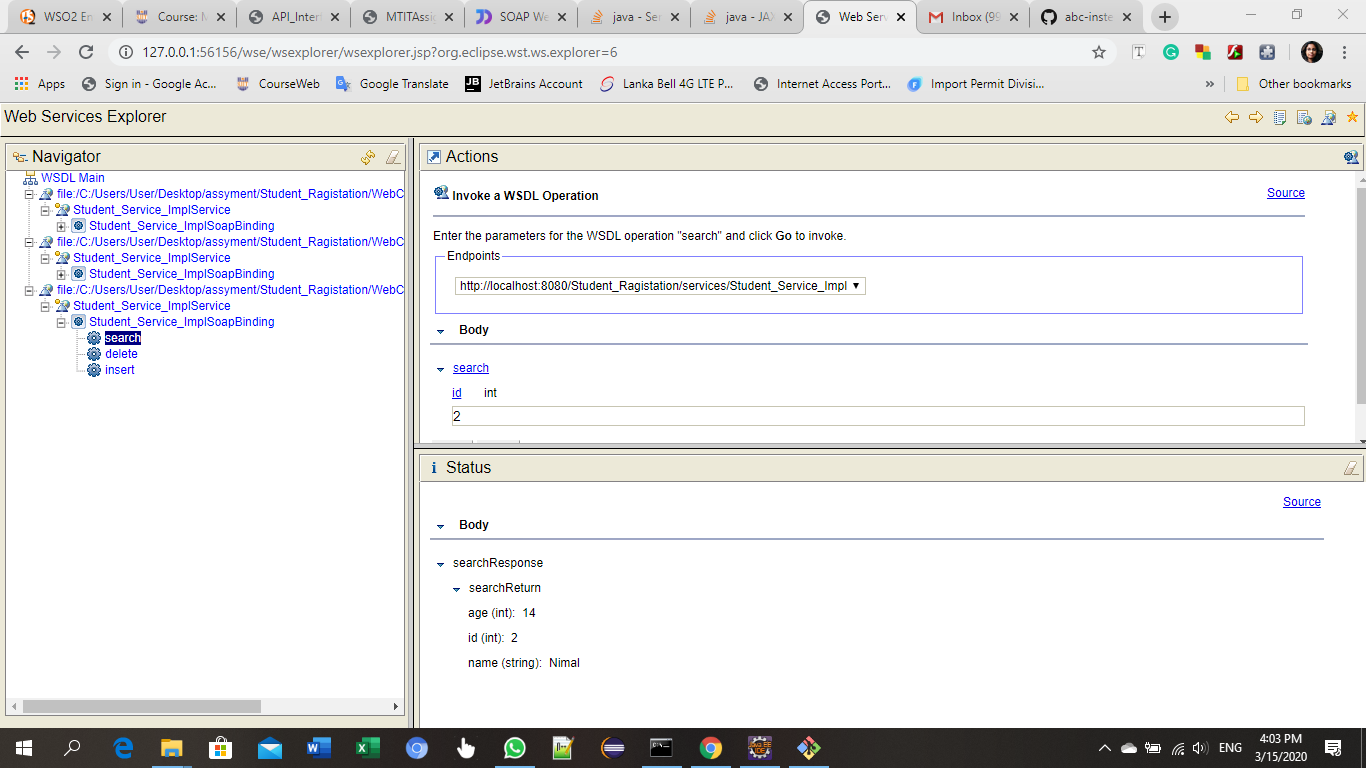
# **WSDL services will display as below**



Insert :



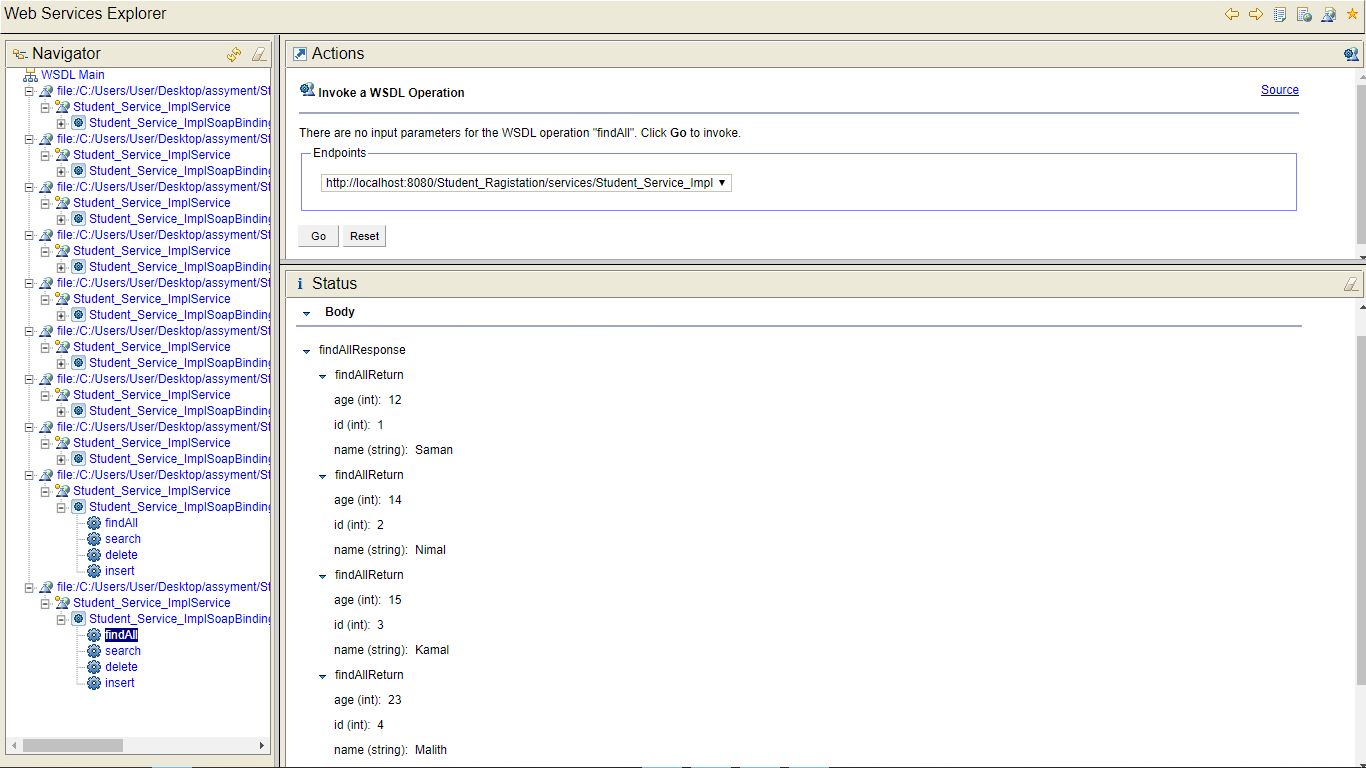
Search:



Delete:



FindAll :

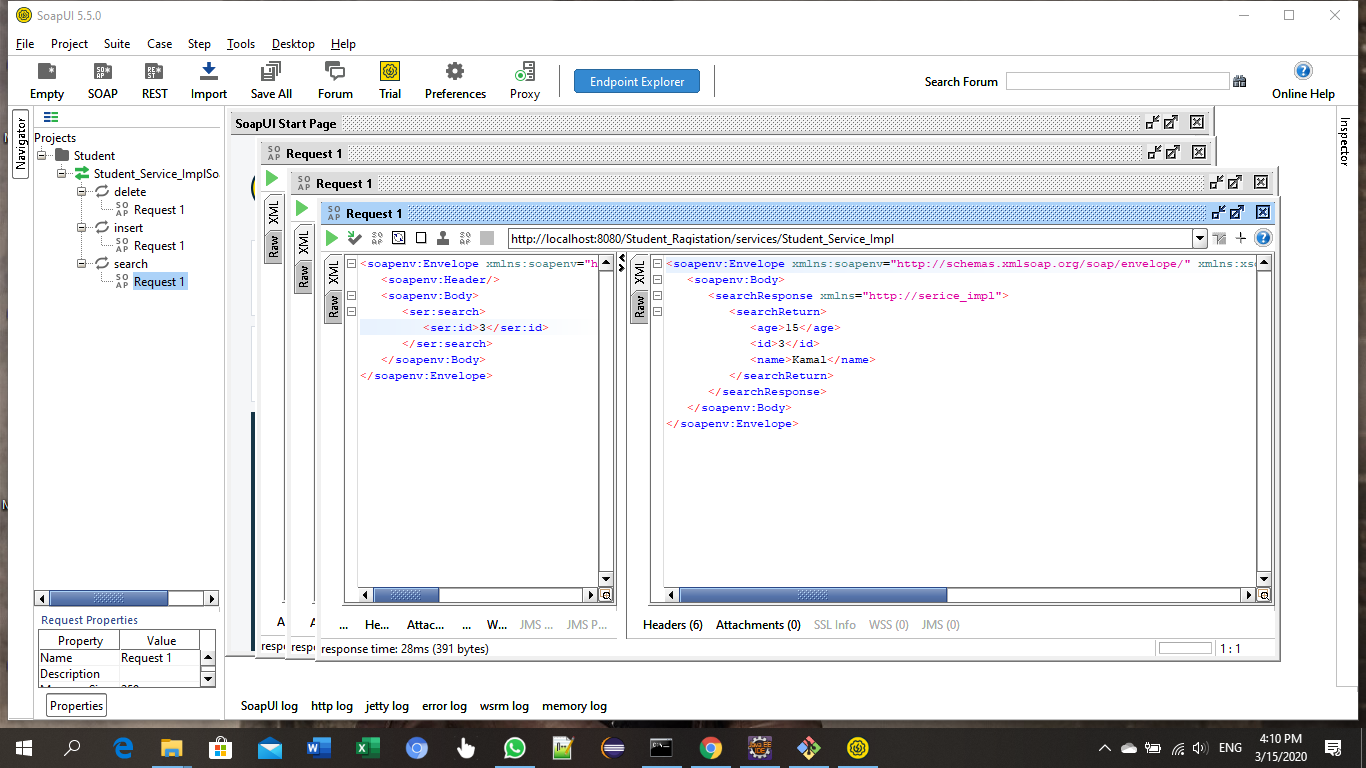


# **SOAP UI project create with Student\_Service\_Impl.wsdl**

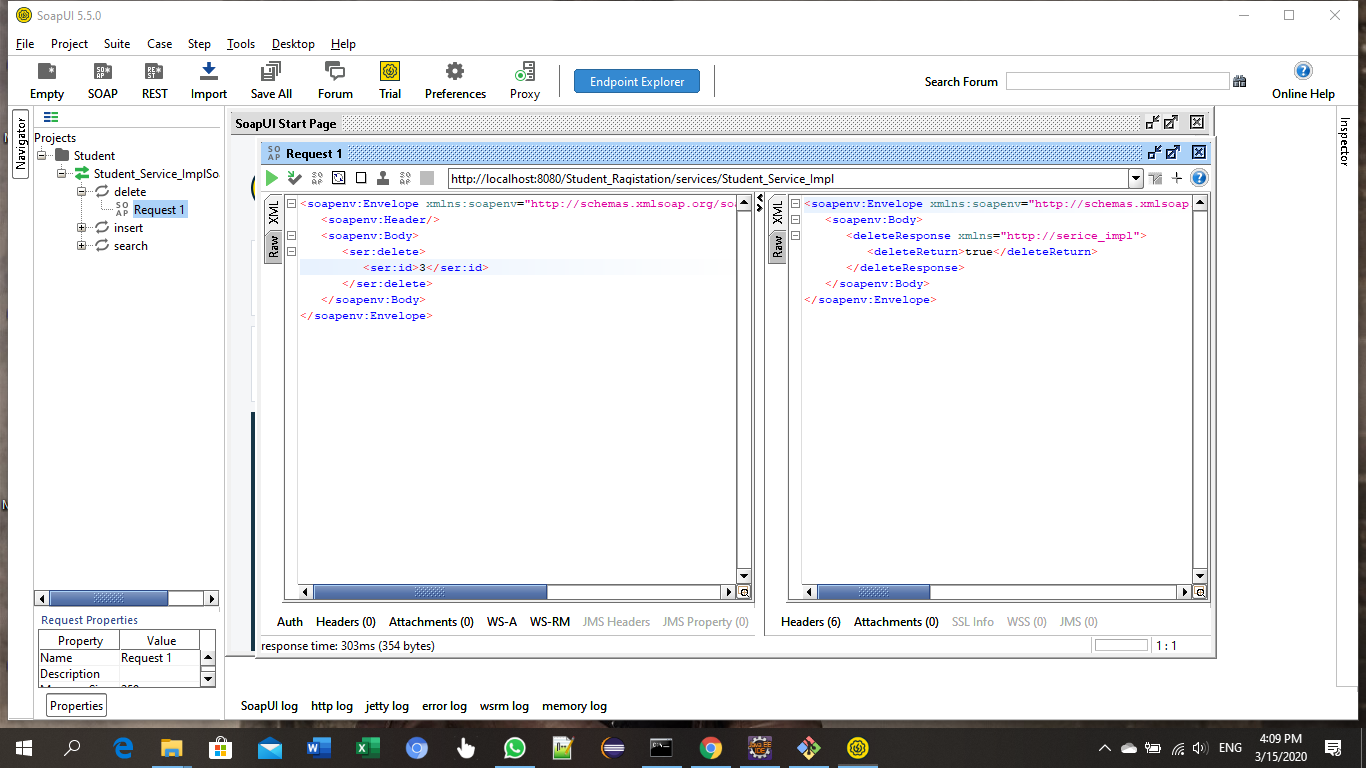
Insert Operation in SOAP UI



Search Operation in SOAP UI



Delete Operation in SOAP UI



FinAll Operation in SOAP UI

