**Run Instructions**

I have used Eclipse Luna and Apache Tomcat 8.

There are two projects one is CURD\_Server and CURD\_Client.

1. Import the CURD\_Server as maven project in to the Eclipse and do Maven Update Project.
2. Please use JDK7 as run time environment and Run the application on the server.
3. Import the CURD\_Client as maven project in to the Eclipse and do Maven Update Project.
4. Run the GradeBook\_REST\_UI java file as a java application.
5. Please use the port number as 8082 or change as per your server port number
6. End Point URI: <http://localhost:8082/CURD_Server/webapi/GradeBook>n

User Interface:

1. In the User Interface u will see Actions, Text fields and HTTP Header Info Sections. For the simplicity, I have considered that we have only one Gradebook available for grading.

Add Grade Action:

1. Click on the Add Grade Radio Button.
2. Input the data in studentid, studentname, taskname, grade and feedback textfields.
3. Click on the submit button.
4. The fields in the HTTP Header Info section gets populated
5. Access the URI in the Location field to see the result
6. Ex:URI : <http://localhost:8082/CURD_Server/webapi/GradeBook/idnameretrieve/102/mid>

Retrieve Grade Action:

Retrieve the Grades of a single Student

1. Click on the Retrieve Grade Radio Button.
2. Input only the studentid text field and click on submit button.
3. The fields in the HTTP Header Info section gets populated
4. Access the URI in the Location field to see the result.
5. Ex:URI : <http://localhost:8082/CURD_Server/webapi/GradeBook/idretrieve/100>

Retrieve the Grades of a single Student in a single task

1. Click on the Retrieve Grade Radio Button.
2. Input only the studentid and taskname text fields and click on submit button.
3. The fields in the HTTP Header Info section gets populated except location.
4. The fields studentid, studentname, taskname, grade and feedback gets populated.

Retrieve the Grades of All Students of a single task

1. Click on the Retrieve Grade Radio Button.
2. Input only the taskname text field and click on submit button.
3. The fields in the HTTP Header Info section gets populated
4. Access the URI in the Location field to see the result
5. Ex:URI : <http://localhost:8082/CURD_Server/webapi/GradeBook/nameretrieve/mid>

Update Grade Action:

1. Click on the Update Grade Radio Button
2. Input the data in studentid and taskname textfields.
3. Input the other fields only u want to update like feedback and grade.
4. The fields in the HTTP Header Info section gets populated
5. Access the URI in the Location field to see the result
6. Ex:URI : <http://localhost:8082/CURD_Server/webapi/GradeBook/idnameretrieve/102/mid>

Delete Grade Action:

Delete the Grades of a single Student

1. Click on the Delete Grade Radio Button.
2. Input only the studentid text field and click on submit button.
3. The fields in the HTTP Header Info section gets populated except location.

Delete the Grades of a single Student in a single task

1. Click on the Delete Grade Radio Button.
2. Input only the studentid and taskname text fields and click on submit button.
3. The fields in the HTTP Header Info section gets populated except location

Delete the Grades of All Students of a single task

1. Click on the Delete Grade Radio Button.
2. Input only the taskname text field and click on submit button.
3. The fields in the HTTP Header Info section gets populated except location