

Homework 2

Submission Rules;

- Please create one project for JAXRS Web Services and one simple Java Project for the client.
- You should follow the java conventions with class and variable names.
- Your project names should contain your name and last name.
E.g.
AhmetDemirelliCS310Homework2WebService
AhmetDemirelliCS310Homework2Client
- You cannot use Turkish characters in your file names or variable names

1. REST (JAXRS) Web Services Project

*** Please watch the video of our last session from the following link;

https://drive.google.com/file/d/1nR6pJgVCpXdtS5f_ekVFWj2CB-YfdnD/view

*** Please examine, execute and understand the examples in **Week7Day1** before you start.

*** All the database operations should be done by using JDBC API

We have a table named “**product**” in our database with following columns :

productID → int (AA : auto increment)

productName. → varchar

productPrice → double

productStock → int

- Create a rest web service for inserting new product into database (25 Points)
We should be able to call this service from following URL ;

<http://localhost:8080/YouProjectName/rest/ProductWebService/addNewProduct/Apple/5.0/3000>

Apple is the product name.

5.0 is the price

3000 is the stock count.

- Create a rest web service for deleting product with given ID (25 Points)
We should be able to call this service from following URL ;

<http://localhost:8080/YouProjectName/rest/ProductWebService/deleteProduct/10>

10 is the ID of the product we want to delete

- Create a rest web service for updating the stock and price of the (25 Points)
product with given product ID
We should be able to call this service from following URL ;

<http://localhost:8080/YouProjectName/rest/ProductWebService/updateProductStock/11/25.0/554>

11 is the ID of the product we want to make a stock and price update

25.0 is the new price

554 is the new stock count

2. JAXRS Client Project

(25 Points)

Write a main class that consumes (calls) all of the REST Web Services you have created.