

CSE 564 SOFTWARE DESIGN ASSIGNMENT 1

READ ME

Assumptions

1. This project is built on Java JDK 1.8, Netbeans 8.1 and Glassfish 4.1.1.
2. The request message is sent through the client App through the field requestMessage in Main.java of client App.
3. Cookies and Cached data or images will be cleared before executing the project.
4. The input request message will be given in the standard format.

Example:

```
<NewFoodItems xmlns="http://cse564.asu.edu/PoxAssignment">
  <FoodItem country="GB">
    <name>Cornish Pasty</name>
    <description>Tender cubes of steak, potatoes and swede wrapped in flakey short crust
    pastry. Seasoned with lots of pepper. Served with mashed potatoes, peas and a side of
    gravy</description>
    <category>Dinner</category>
    <price>15.95</price>
  </FoodItem>
</NewFoodItems >
```

The above message is more likely to return back HTTP error 204. Replacing correct double quotes (<"> in place of <">) returns 200 response.

5. Only the country and name fields are considered as unique combination to add an entry into the FoodItem service.

Steps to run the project

1. Unzip the project folder "POX-FoodMenu-praghav7-NetBeans"
2. After unzipping, there will be two folders namely POX-FoodMenu-praghav7-NetBeans-Server and POX-FoodMenu-praghav7-NetBeans-Client and this ReadMe file.
3. Now Open the Netbeans IDE.
4. Open the POX-FoodMenu-praghav7-NetBeans-Server project by selecting File→Open Project→<Folder path of "POX-FoodMenu-praghav7-NetBeans-Server">
5. "Clean and Build" (Shift+F11) the POX-FoodMenu-praghav7-NetBeans-Server project. Server should build successfully.
6. Now run the project (F6). The server should successfully open an html page with a short description of the project. Note down the port in which the server is deployed by checking the URL of the server deployed page
7. After successful deployment of the server, Open the POX-FoodMenu-praghav7-NetBeans-Client project by selecting File→Open Project→<Folder path of "POX-FoodMenu-praghav7-NetBeans-Client">
8. Navigate to RESTClient.java from Source Packages → edu.asu.cse564 package and ensure that the port number is same as the one in which the server is deployed. Usually the port number is 8080.

9. Navigate to Main.java from Source Packages → edu.asu.cse564 package and give the request message as a String in the requestMessage field.
10. “Clean and Build” (Shift+F11) the POX-FoodMenu-praghav7-NetBeans-Client project. Client should build successfully.
11. Now run the project (F6). Select the Main.java file as the main program. Click OK
12. The client successfully executes and prints the response in the Run (POX-FoodMenu-praghav7-NetBeans-Client) tab console for the given request.