

**NOTE : knowing that any CSS or front-end design will not be evaluated, I did not take any consideration for the front end of this website. Additionally, the way I understood is that any extra backend functionality on top of the requirements and that one feature nothing else will be considered , therefore did not add any other functionality to the website other than the ones asked.**

Instructions of how to use the application :

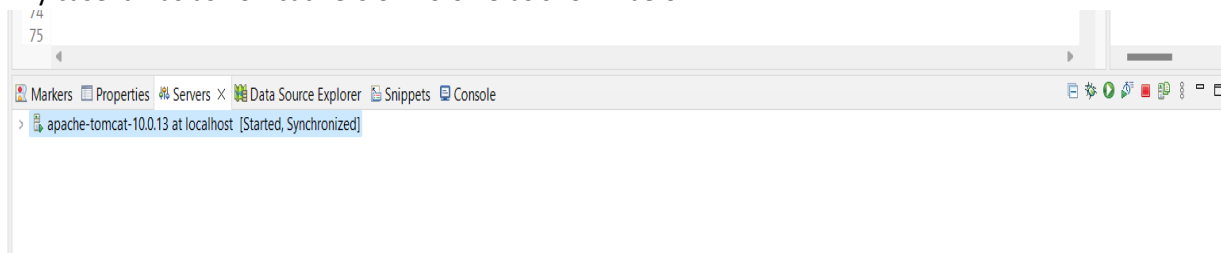
1. Download the Eclipse IDE for Enterprise Java and Web Developers - 2021-12 can be found at :

<https://www.eclipse.org/downloads/packages/release/2021-03/r/eclipse-ide-enterprise-java-and-web-developers>



2. Then in order to install and Configure Apache Tomcat Web Server in Eclipse IDE please watch this very short tutorial specially starting from 6:00 min: <https://www.youtube.com/watch?v=kLgguZ2FiuQ>

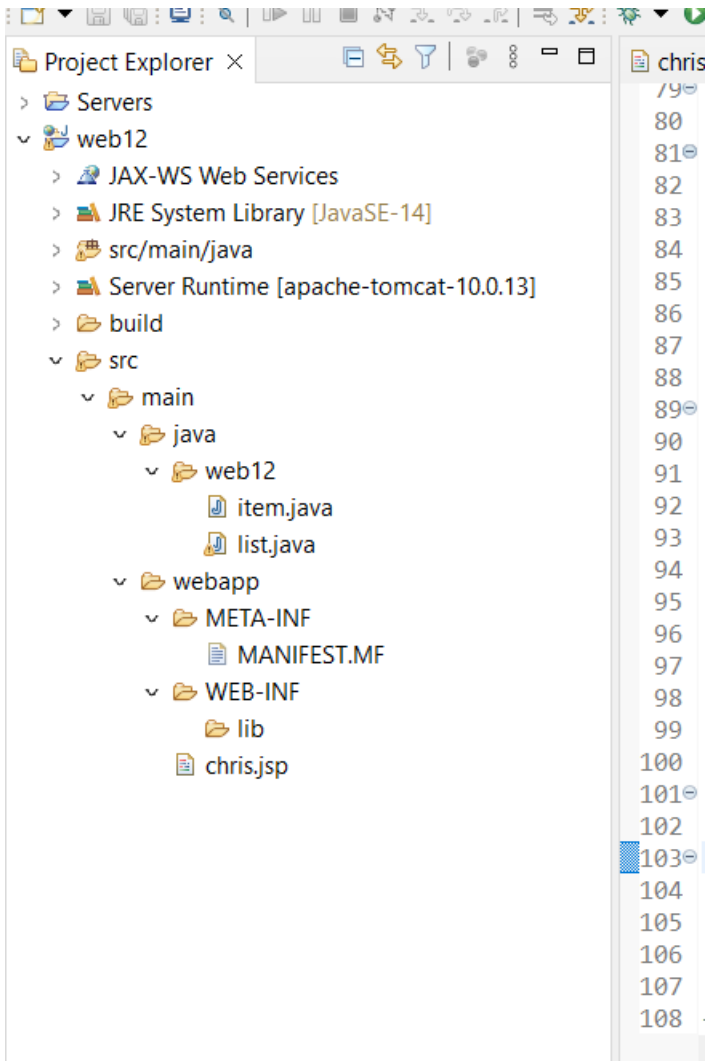
In my case it was as Tomcat version 10.0.13 as shown below.



3. After successfully installing and configuring the server go to the GitHub link that I attached in my application to find the actual code to run it can be found on : [Main-Projects/Shopify Backend Developer Intern Challenge - Summer 2022/](https://github.com/Chr728/Main-Projects/tree/main/Shopify%20Backend%20Developer%20Intern%20%20Challenge%20-%20Summer%202022) you can reach there using this link : [https://github.com/Chr728/Main-Projects/tree/main/Shopify Backend Developer Intern Challenge - Summer 2022](https://github.com/Chr728/Main-Projects/tree/main/Shopify%20Backend%20Developer%20Intern%20%20Challenge%20-%20Summer%202022)

4. Using the Eclipse IDE that you have downloaded in step 1 , try to set the project inside it so you can run the code.

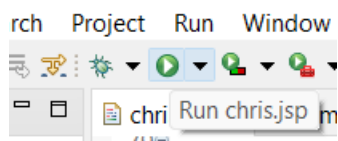
5. If you search for the project explorer and open it in Eclipse the project explorer should look like as the below setting look at Figure 1:



**Figure 1**

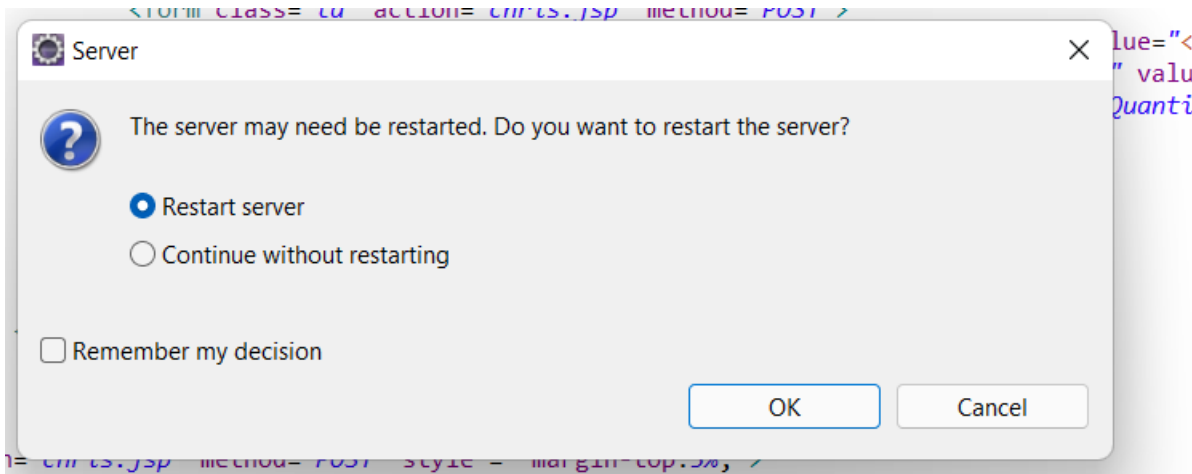
6. Go to “chris.jsp” file once you are in that file click run. Which can be found at the top exactly below the tab option called “Run”

p - eclipse ide



7. Once you click run it should automatically generate a web page where you will be able to test the requirements that were asked in the instruction of this challenge.

8. At any point of testing if you wish to clean the project and restart your server you can do so by clicking run → restart server → ok As shown below (optional step):



9. To test the CRUD application and the feature follow the following steps:

- a. Once you run the chris.jsp file the first thing you will see is the following :

Name of the item

Quantity of the item

- b. You can enter the name and the quantity of that item that you wish to add to the list ( for simplicity no database was used and rather an Array List was used).
- c. After adding multiple items, the to list by clicking add , items list will be displayed every time below ( as was asked in the fourth requirement of CRUD) . A shown below:

Name of the item

Quantity of the item

- Name of the item: item1 Quantity: 12

- Name of the item: item2 Quantity: 32

- Name of the item: item3 Quantity: 1

- Name of the item: item45 Quantity: 23

- d. For every specific item you can click on button “Remove this item” to remove it from the list.
- e. In order to update click on “Update this item” beside the specific item that you want to delete and change the name and quantity as show below and at the end click update again so that the new medication can be saved and updated. Refer to figure 2

Name

Quantity

Figure 2 ( the quantity initially was set to 1 then it was changed to 3 you have to click update again to save the changes).

- f. Finally, you can click on button “Export Data Product to CSV “ button at the very end which will generate a CSV file called “Items.csv” on your desktop. Once you find this file on your desktop you will be able to see the specific item id, name and quantity in the file.