

## **JSP Programming Assignment**

### **Rent-Car Inventory System**

The First Due Date: May. 14<sup>th</sup>, Wednesday, 10:00 PM

Deliverable:

- Running Shots of your program running;
- Detailed User's Manual to **install** your files into Resin, and also to **explain** how to run your program, and some **notes** about your workings;
- Put your JSPs into the subdirectory, ...**root\inventory**; and
- Your files may include DeleteInventory.jsp, IncludeInventory.jsp, Rent\_Return.jsp, Rent\_Return\_Update\_DB.jsp, Sale.jsp, and other ancillary JSP files.

Implement a rent-car inventory system that provides agents and customers with renting, returning, deleting, selling, and adding an item. Whenever an item is rented or returned, the result should be reflected on a store which is implemented with a database with MySQL.

You may create additional JSP files as you need.

Minor changes to UI part of each JSP are also allowed.

The URL, <http://localhost/inventory/MainControl.jsp>, is supposed to display the following initial screen. Customers can check "rent" or "return", or agents can check "delete", "sale", and click "Addition to Inventory", "Sale", or "Deletion" buttons. Provide the functions that restrict the use of "delete", "sale", and "Addition to Inventory" only to rent-car agent (or administrator).

**Rent-Car Inventory Listing**

Item #	Name	Location	Quantity	Rent	Return	Delete	Sale
1	Compact_Car	Pusan	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Large_Car	Incheon	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Hybrid	Pohang	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Sub	Seoul	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Rent/Return

Deletion

Sale

Addition to Inventory

Clicking "**Rent/Return**" button invokes "**Rent\_Return.jsp**" and shows the following output.

The **Rent\_Return\_Update\_DB.jsp** will be invoked when you click "**submit**" button, and the **DB will be updated**

Items being rented or returned

1	Compact_Car	Pusan	Rented
2	Large_Car	Incheon	Return

Being rented or returned...

Submit

Cancel

Go to main page.

When you click "the **deletion**" button, the following is displayed by **DeleteInventory.jsp**, and the database is updated. You may create another JSP file that takes care of updating db for deletion.

Deletion of Inventory

1	Compact_Car	Pusan
2	Large_Car	Incheon

The above selected items has been deleted!

Go to the Main Page!

The "**IncludeInventory.jsp**" is supposed to display the following after the addition button is clicked:

You may make another JSP file for implementing "**IncludeInventory.jsp**", which is used to update the db.

Please, input the following information for including an item.

Item Number:	<input type="text" value="6"/>
Item Name:	<input type="text" value="RV"/>
Location:	<input type="text" value="Incheon"/>
Quantity:	<input type="text" value="1"/>

The **"IncludeInventory.jsp"** invokes the **"Including.jsp"** which displays the following:

Inclusion of an Item

The following item has been included.

6   RV   Incheon   7

[Go to the Main Page!](#)

When an agent click "Sale" button, "sale.jsp" will be activated and display the following UI.

Selling the following Item

3	Hybrid	Pohang	\$3,000
4	RV	Incheon	\$4,000

Sale

Cancel

When you click "Cancel" button, the main page will be appeared.

With the "Sale" button clicked, "SaleItem.jsp" will be invoked and the DB will be updated as follows. Selling some items has the same effect as "Deletion" with the current status of items.

The following Item has been sold.

3	Hybrid	Pohang	\$3,000
4	RV	Incheon	\$4,000

Total

\$7,000

Go to the Main Page!

You may add more UI and more functionalities to "Sale" function.