WWW Technologies

Project 3

Part 1:

In the first part we had develop a web app in Netbeans IDE that realizes the page bellow by using a jsp file with embedded scriptlets. We assume that the user enters valid numbers in the fields and we should use HTML form. We should also use cookies for customer's convenience.

Item	Price	Quantity	Total
Cafe	18.50	50	925.00
Sugar	6.95	0	0.00
Water	1.29	100	129.00
Total			1,054.00

That's a Shopping basket where a customer can select the quantity of each product. The app calculates the price for each one of the items with the requested quantity and the total price of all the items in the basket as soon as the customer hits the "add to basket" button.

In my implementation I use 1 jsp file (index.jsp) and 1 xml file (items.xml). The first one mainly represents the data to the user in html form. It also does the parsing of the xml file where I provide the items and their prices to the sales staff for further modification etc and handles the cookies that help keeping the quantity and total values stable across sessions for a certain period of time. Finally I also used two servlets that handle the downloading of the code (SrcServlet.java) and the report (repServlet.java).

Part 2:

In the second part of the project we had to implement the same web app but this time only using a **jsp page** so that it does all the work in a java bean (i.e no scriptlets were allowed in it).

My implementation consists of Jsp file (index.jsp) that computes and represents the data to the user. I used javabeans and EL as requested for the computation and some java coding for accomplishing the parsing of the xml file. As far as it is being concerned I also created an xml file (items.xml) where I provide the items and their prices to the sales staff for further modification etc.

As one can guess I also created a javabean (calcQuantity.java) that has the methods to set and get the quantities of the three items and a class (basic.java) that creates the objects that I need in order to use the methods in the javabean.

One thing I noticed is that if the scope of each bean is set to application, the quantity and total variables in the jsp page will keep their values and won't be reset to the default ones all across different sessions like if I had cookies.

Finally I also used two servlets that handle the downloading of the code(SrcServlet.java) and the report (repServlet.java).

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