WWW Technologies

Project 4

In these project we had to further develop our previous web app (that realizes the page bellow by using using a jsp page so that it does all the work in a Java bean (i.e no scriptlets were allowed in it)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.) using Strouts and Netbeans . We were also required to use EL and beans and tag libraries.

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

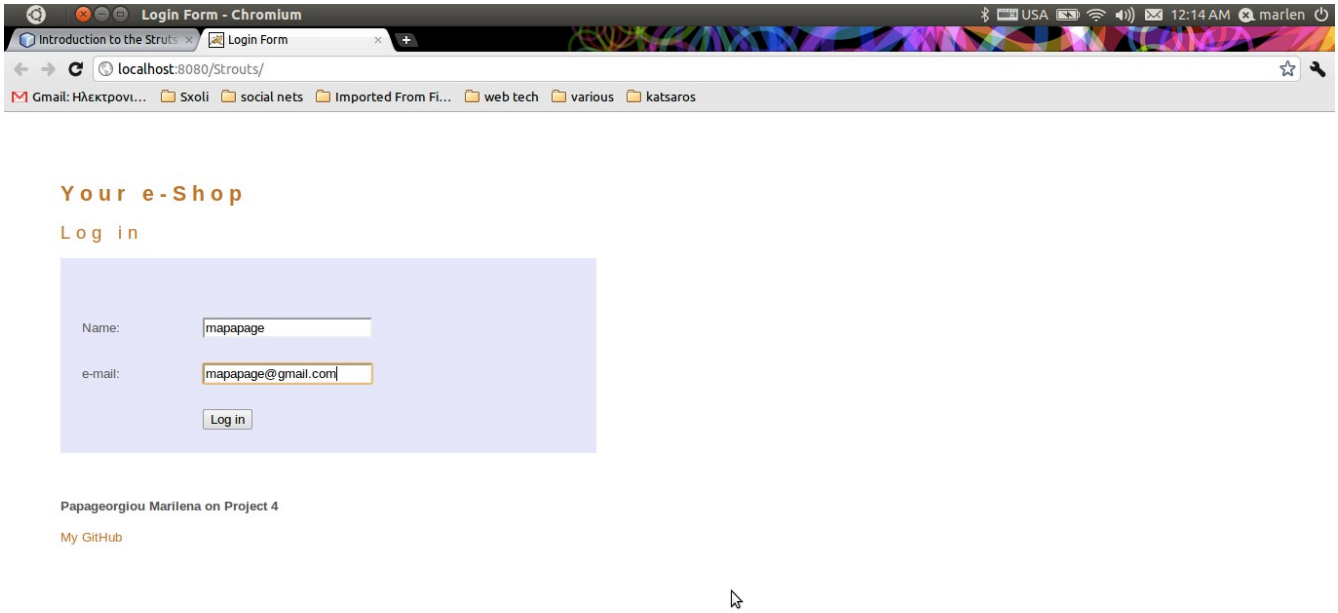
I chose to further develop my implementation by adding a login page(with a simple validation to, including a warning message for a failed login attempt) using all what was required.
I did this mainly by following this tutorial: http://netbeans.org/kb/docs/web/quickstart-webapps-struts.html

My application displays a login page and returns a success page upon submitting data that passes validation. After that it follows the same logic as in the previous project.
So, my project consists of a login.jsp file that displays a form and a success.jsp file that is the view returned when login is successful. This file also 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.
I also include a LoginForm.java file that is a Struts ActionForm bean that is used to persist data between requests. Here, when user submits a form, the data is temporarily stored in the form bean so that it can either be redisplayed in the form page (if the data is in an invalid format or if login fails) or displayed in a login success page (if data passes validation).
Furthermore, LoginAction.java is The Action class that contains the business logic in the application. When form data is received, it is the execute method of an Action object that processes the data and determines which view to forward the processed data to.

Stylesheet.css is a simple file that handles the CSS layout of my application.
Finally I also used two servlets that handle the downloading of the code(SrcServlet.java) and the README file(repServlet.java).
I hope I didn't forget to mention anything important.

This is the look and feel of my application:



Papageorgiou Marilena, AEM=731
Github: http://github.com/mapapage/StroutsBasket