Programming Project #4
CS 3220

Due: In class (demo)

Develop a servlet-based application to provide a 3-tier solution to the shopping cart problem.   You must use the mysql database on James as your backend.

Specific guidelines:

a. You will work in groups of 2.
b. The first screen should display a list of items that can be bought, as well as their prices. Item and price information should be pulled from the DB. To purchase, you should provide options to select items for the cart using both checkboxes and drag & drop. For checkboxes, you should provide a "Put These in Shopping Cart" button to select the checked items.
c. When the user selects items, the screen should update the list of items which can be bought. Any items already put in the shopping cart should not be displayed. On another part of the document, show the list of items already in the cart, the price total, and provide the user a "Checkout" button.
d. If the "Checkout" button is selected, the user should be presented with a summary of the items purchased, the price total, and then gather information from the user (name, address, student id) to complete the purchase. Once the information is entered, the user can hit a "Buy It" button to complete the transaction (give him some kind of feedback page).
e. The database should store usernames/passwords, and store completed orders. However, there need not be any mechanism for viewing the completed orders.
f. The sessions should be anonymous until checkout. Upon checkout, the username and passwords should be verified from the database.
g. Your servlet should be placed in your directory within the tomcat context. Your CS4220 homepage (from Project 1) should link to your Project# 4 page(s).

Required for turn-in:
a. A demo will be required.
b.   (optional) Comments on problems you ran into/lessons learned.