



## **CS 6314 - Assignment#4**

### **Due Date: 11/15/23, 11:59 pm**

In this assignment, you are supposed to add the following features using javascript, JQuery, JSON and XML to the web application that you developed for your web application

1. Create a XML file for the inventory of the fresh products. In the Fresh products webpage, the user should be able to shop by category ( shop all, all vegetable, all fruits, pre-cut fruits, flowers, salsa and dips, season produce, new items and rollbacks ). When the user selects a category, all items of the selected category should be displayed. The user should see name, picture and price of each item. The user should be able to add each item to the cart. The user should be able to add each item multiple times to the cart. For each selected item, If you do not have enough inventory, you should display a message that the item is out stock . When the user adds an item to the cart, you should update XML file accordingly.
2. Create a XML file for the inventory of the frozen products. In the Frozen webpage, the user should be able to shop by category ( shop all, frozen breakfast, frozen dessert, frozen meals frozen pizza, frozen meat, frozen snacks and rollbacks ). When the user selects a category, all items of the selected category should be displayed. The user should see name, picture and price of each item. The user should be able to add each item to the cart. The user should be able to add each item multiple times to the cart. For each selected item, If you do not have enough inventory, you should display a message that the item is out stock. When the user adds an item to the cart, you should update XML file accordingly. You are supposed to use jquery methods to develop this page.
3. Create a JSON file for the inventory of the pantry products. In the pantry webpage, the user should be able to shop by category ( shop all, canned goods, canned vegetable, condiments, peanut butter&spread, pasta&pizza, and rollbacks ). When the user selects a category, all items of the selected category should be displayed. The user should see name, picture and price of each item. The user should be able to add each item to the cart. The user should be able to add each item multiple times to the cart. For each selected item, If you do not have enough inventory, you should display a message that the item is out stock. When the user adds an item to the cart, you should update JSON file accordingly.
4. Create a JSON file for the inventory of the Breakfast products. In the Breakfast and Cereal webpage, the user should be able to shop by category (shop all, the cereal shop, pancakes &waffles, breakfast breads, oatmeal &grits and rollbacks ). When the user selects a category, all items of the selected category should be displayed. The user should see name, picture and price of each

item. The user should be able to add each item to the cart. The user should be able to add each item multiple times to the cart. For each selected item, If you do not have enough inventory, you should display a message that the item is out stock. When the user adds an item to the cart, you should update JSON file accordingly. You are supposed to use jQuery methods to develop this page.

5. Create a XML file for the inventory of the candies. In the candy webpage, the user should be able to shop by entering the name of candy. You need to validate user input. The user should not be able to enter any number for the name of candy. If the user input is not valid you should show an error message. If you have the candy in the inventory you should display the name, the price and the picture of the candy. Then the user should be able to enter the amount for the candy and add the candy to the cart. If you do not have enough inventory, you should display a message that the item is out stock. When the user adds an item to the cart, you should update XML file accordingly.
6. Create a XML file for the inventory of the snacks. In the snacks webpage, the user should be able to shop by entering the name of snacks. You need to validate user input. The user should not be able to enter any number for the name of snacks. If the user input is not valid you should show an error message. If you have the snacks in the inventory you should display the name, the price and the picture of the candy. Then the user should be able to enter the amount for the snacks and add the snack to the cart. If you do not have enough inventory, you should display a message that the item is out stock. When the user adds an item to the cart, you should update XML file accordingly. You are supposed to use jQuery methods to develop this page.
7. Create a JSON file for the inventory of the baking products. In the backing webpage, the user should be able to see all the items required to make a pie ( pie fillings, crusts, pudding mixes and pie pans) . The user should see name, picture and price of each item. The user should be able to add each item to the cart. The user should be able to add each item multiple times to the cart. For each selected item, If you do not have enough inventory, you should display a message that the item is out stock. When the user adds an item to the cart, you should update JSON file accordingly. You are supposed to use jQuery methods to develop this page.
8. In the cart page, the user should be able to see information about all the items in the cart ( name, amount, price for each item and price for all items) and shop the items. If the user cancels shopping, you need to update XML/JSON files accordingly.