CS701 Module 3 Assignment

General Rules for Homework Assignments

- You are strongly encouraged to add comments throughout the program. Doing so will help your facilitator to understand your programming logic and grade you more accurately.
- You must work on your assignments individually. You are not allowed to copy the answers from the others. *However*, you are encouraged to discuss approaches to the homework assignment with your facilitator.
- Each assignment has a strict deadline. However, you are still allowed to submit your assignment within 2 days after the deadline with a penalty. 15% of the credit will be deducted unless you made previous arrangements with your facilitator and professor. Assignments submitted 2 days after the deadline will not be graded.
- When the term *lastName* is referenced in an assignment, please replace it with your last name.

You are strongly encouraged to add comments into your program!

Create a new folder named HW3_*lastName.* Write the following programs in this folder.

Part 1 – JQuery UI Autocomplete(50 Points)

Using the JQuery UI API, build the HTML application, *nutritionInfo.html*, illustrating the *autocomplete* feature. The XML data for the application is the nutrition data available at

http://kalathur.com/food/calories.xml (a shorter file), or

http://kalathur.com/food/calories2.xml (the full file)

The initial layout of the application is shown below:
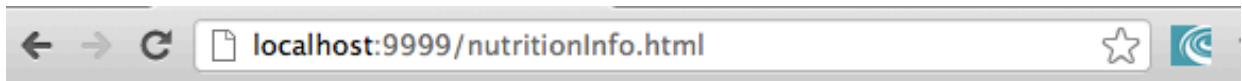

Disable the input box until the XML data is loaded. As the user types in the input box, the autocomplete feature shows the suggestions as shown below:

← → C ⟲ localhost:9999/nutritionInfo.html ☆ ⓒ

JQuery Nutrition Autocomplete

Name: rice

Name: CHICKEN RICE SOUP, CANNED

Serving   MILK CHOCOLATE CANDY,W/ RICE C

             PUDDING, RICE, FROM MIX

Calories   RICE KRISPIES CEREAL

             RICE, BROWN, COOKED

             RICE, WHITE, COOKED

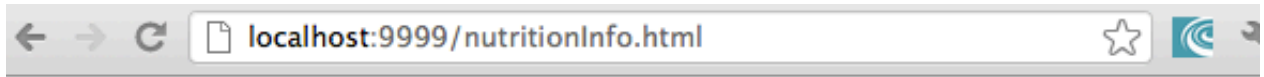   RICE, WHITE, INSTANT, COOKED

             RICE, WHITE, PARBOILED, COOKED

             RICE, WHITE, PARBOILED, RAW

             RICE, WHITE, RAW

When the user makes the selection, the associated information is displayed as shown below. You may include additional information about that item.

JQuery Nutrition Autocomplete

Name: RICE, BROWN, COOKED

Name: RICE, BROWN, COOKED

Serving Size: 1 CUP

Calories: 230

Use the cgi-bin, css, and js folders from the JQueryUISamples. The problem is modeled after ajaxSample1.html.

Part 2 – JQuery UI Cycle (50 Points)

In this version, write the *nutritionCycle.html* which uses the normal input box without the autocomplete. The *Load* button shows all matching entries as shown below.

The *Cycle* button cycles through the individual entries. You can use any of the shuffle properties. The problem is modeled after flickr2.html.