

## Restaurant Phase D

### **Background**

So far you have a total of 3 XML instance files and 3 schemas. You are still cautious about showing all of your data on the Internet, therefore for now you will create a presence on your own Intranet.

### **The Problem**

You are ready to create three web pages; one for each XML file (for clients, recipes, invoices). These three pages are html pages; they have the extension .html. To express your XML data in your web pages, you will use JavaScript.

An example of extracting XML data is given to you on Canvas together with this assignment. The two files are students.xml and students.html. students.xml has three levels deep of data. In order to “dig” so deep, you will need to let JavaScript know where you are getting data from. This is done with the code:

```
var std=xmlDoc.getElementsByTagName("student");    // there are many of student
```

Moreover, course is within that particular student record:

```
var crs= std[i].getElementsByTagName("course");    // there are many of course
```

In addition, you will see std or crs back in the for-loop. Download the two files and play with it. Go over the code and you will notice that you only have to “customize” it for your own files.

Some help: [https://www.w3schools.com/js/js\\_ajax\\_applications.asp](https://www.w3schools.com/js/js_ajax_applications.asp)

You are to research for more help on the Internet.

Create a CSS (cascading style sheet) to have a consistent view of your web pages. (E.g. have same colors for the pages, some conformity in font, font size, etc.).

Find additional information about CSS at:

<http://www.w3schools.com/css/default.asp>

If you want to include a cascading style sheet in your html file, insert the following line at the top of your html code below <title> </title>

For example, if your sheet is called “example.css”:

```
<title>Clients</title>
```

```
<link href="example.css" rel="stylesheet" type="text/css" />
```

***Provide to the Instructor***

This is an individual exercise, not a team exercise.

Demonstrate completion of the web pages by submitting electronic copies of the:

1. clients web page file, named as "Clients.html" with
2. clients XML file
3. recipes web page file, names as "Recipes.html" with
4. recipe XML file
5. client-order web page file , named as "Orders.html"
6. with order XML file
7. css file, named as "restaurant.css"

Put the above ten (7) files in one folder, then zip it, and turn in the [zipped file](#).

Submit your results to drop box:

- Drop Box - Exercise 4: Phase D (individual)

Due: **Thursday, February 21, at 8 pm.**

***Grading Rubric***

1. Three web pages – 75%
2. Style of web pages with css file – 25%