ITIS 3135 Web-Based Application Design and Development
Project: Part 4
Last Milestone
Due 11:59 PM – Sunday, August 7.

Implement at least two AJAX requests to update your website. One request must be to an **external file** (no specific file type required, e.g., loading products' names and prices from a local file) and the other to **another website**. Your website must be updated based on the data returned from the requests.

Your grade for the AJAX implementation will be based on the following criteria:

1. The quality of the layout, style, and purpose of the AJAX requests for your specific web application.
2. Demonstrated mastery of AJAX requests.
3. Separation of code strictly enforced.
4. Code properly documented and formatted.
5. Successfully upload all your HTML, CSS, JavaScript, and image files to the webserver.
6. Successfully submit all your HTML, CSS, and JavaScript files as a zip folder on Canvas.
7. Provide a working URL of the home page of your project.
8. List the AJAX requests utilized in the project.
9. Address comments that were given to you in previous project milestones.

Do not forget to:
● **Upload** everything to your UNCC webpage and **Verify** that there are no errors on the page. If there are errors, fix them. Redeploy and check again.

● **All** files should be properly *documented* with comments.

Once you are done with these requirements, read the following for the rubric and other information required to be submitted. This final milestone is the culmination of all of your milestone assignments for the semester. The below requirements and rubric are based on previous requirements with an additional requirement to upload a **document** detailing how you have met the specifications, how your web application will meet the needs of your stakeholders, and how you have responded to the comments received (if you received any comments in your previous milestones, you must address them).

Minimum Specifications for Website:

Your final project should meet the minimum specifications of each previous milestone assignment.

- ***General HTML/CSS***
    - *Entry or Home page* – This page should have a layout using header, main, footer, id, and classes. The page should have actual content, including the navigation bar. The page should have information about the site, including some images. This page should be named **index.html**.
    - *Navigation Bar* – All pages should have a consistent and working navigation bar. The navigation bar should have links to all the pages you are going to have on your website. The navigation bar should be in the same position on all the pages. There can be **only one** navigation bar! (When a CSS rule is modified, it should affect the navigation bar on all pages)
    - *3 Oher Pages* – These should have the navigation bar. They can be Product, Informational, or Service pages. You must include the content for these pages. You do not have to name this page "Product/Information/Service Page". Choose a name that pertains to your website and the purpose of the page, e.g., "Testimonials", "About Us".
- ***Interactivity***
    - Demonstrated mastery of a variety of user interactions by correctly implementing, at a minimum *1* jQuery plugin and *1* jQuery-UI widget. The correct use of JavaScript to update the content or style of the web page when a specific event occurs.
    - The quality of the layout, style, and purpose of the AJAX requests for your specific web application.
- ***Ajax***
    - Demonstrated mastery of *2* AJAX requests: one to a data file and the other to an external website
- ***Code Style***
    - Complete separation of concerns implemented
    - Code properly documented and formatted

Specifications for Summary Document:
This document should have 3 sections:
1. Meeting the specifications: Describe how your site meets the assignment specifications, particularly what interactive functionality (i.e., jQuery-UI, plugins, source of Ajax requests) you have implemented. This can be a series of bullet points or one paragraph.
2. Summarize the feedback you received for your previous submissions and how you updated your website in response. This can be a set of bullet points or a paragraph or two. If you did not update your website, include your justifications.
3. A paragraph on how well you think your website will meet the needs of your stakeholders and what you hope for it going forward.

Submission:
- Upload a zip file with all html, .css, .js and data files (e.g., *.json, *.xml) for your web application on Canvas.
- Include in the .zip file the summary *document* as outlined above.
- Also, provide the URL of the home page of your project in the comments section.

The rubric for this milestone is available on the following page.

Criteria	Possible Points
Web Layout and Content Home page has clear title and purpose (2 pts); Content appropriate for purpose of application (2 pts); Quality and layout consistent and appealing (2 pts); All links, images, videos functional (2 pts)	8
Web Style and Design Consistent look and feel across the app (2 pts); Aesthetic color scheme that matches the purpose of the site (2 pts); Variety of styles implemented using CSS (2 pts)	6
Navigation Nav bar visible and consistent across all pages (2 pts); Easy to navigate/follow (2 pts);	4
Interactivity Implementation of 1 jQUery plugin (2 pts); implementation of 1 jQuery-UI widget (2 pts); quality style and purpose of plugins and widget (3 pts); one AJAX request to a data file (11 pts); one AJAX request to an external website (11 pts); quality, style, and purpose of AJAX requests (3 pts);	32
Document Description of how the project meets required specifications (5 pts); Summation of feedback received and how application updated in response (5 pts); Description of how well the application meets stakeholder's needs (5 pts)	15
Separation of concerns	5
Documented code Code properly formatted and documented	5
Validation No HTML errors (5 pt); No CSS errors (5 pt); No JS errors - validated by debugger tool (5 pt)	15
Comment in Canvas Correct link in the comment section for this assignment	5
Addressed comments (by implementing them if you were given) from previous submissions	5
Total Points	100