Sprint 4

Part I: Interactivity for your Web application using AJAX
Part II: Final Project

Due 23.59 Friday May 24th, 2024

PART I:

In this homework, you will implement at least two AJAX requests to update your website. One request must be to an external file (no specific file type required) and the other to another website. Your website must be updated based on the data returned from the requests.

Your grade for this submission 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 a 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 your public website.
6. Successfully submit all your HTML, CSS and JavaScript files (NO IMAGE/VIDEO FILES) as a zip folder on Aybuzem.
7. Provide a working URL of the home page of your project.
8. List the plugins and widget utilized in project.

PART II:

This is the culmination of all of your Sprint 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 for your stakeholders, and how you have responded to the critiques received.

Requirements: You will upload a zip file with all html, .css, .js and data files (e.g. *.json, *.xml) for your web application on Aybuzem, as well as provide the URL to the working application in the comments section (Do not include images/videos in the compressed file). You will include in the .zip file a document as outlined below.

Minimum Specifications for Website:

Your final project should meet the minimum specifications of each of the previous homework assignments.

- *General HTML/CSS*
    - o *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.*
    - o *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 in your website. The navigation bar should be at 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 in all pages)
    - o *3 Other 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*:
    - o Demonstrated mastery of a variety of user interactions by correctly implementing at a minimum, **3** jQuery plugins 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.
    - o The quality of the layout, style and purpose of the AJAX requests for your specific web application.
- *Ajax*
    - o Demonstrated mastery of 2 AJAX requests: one to a data file and the other to an external website
- *Code Style*
    - o Complete separation of concerns implemented
    - o 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. A paragraph on how well you think your website will meet the needs of your stakeholders, and what you hope for it going forward.
3. Advertising: Explain how clients can use your website. List the operational functionalities you implemented.