Web Development Essentials

Assignment

Create an HTML Page

Objectives

Practice and expand your knowledge of HTML by creating another HTML web page that includes the basic elements from the first exercise, plus some additional common and essential HTML elements.

Requirements Checklist

1. GitHub Repository

Use the repository on your GitHub account named ***basic-html-css-example***

As you work on the assignments (through each step or checklist item), make sure to commit and push to the GitHub remote repository, so that when you finish the assignment the GitHub repository will feature the completed work.

Requirements Checklist

2. HTML5 Boilerplate

As described and shown in the class exercise(s) and lecture(s);

Your assignment project should feature HTML5 Boilerplate code.

Requirements Checklist

3. Page Header Section

As described and shown in the class exercise(s) and lecture(s);

Your assignment project should feature a **header** element with a **heading 1** inside acting as the title of the page.

Note: This is different from the <title> that is within the <head> of the HTML document.

Requirements Checklist

4. Page Navigation Section and Anchors

As described and shown in the class exercise(s) and lecture(s);

Your assignment project should feature a **navigation** element with at least three links (**anchor** elements within **list** elements) to other pages.

Note: No need to add the other pages, the links do not need to work for this assignment.

Requirements Checklist

5. Page Main Section

As described and shown in the class exercise(s) and lecture(s);

Your assignment project should feature a **main** element after the header and navigation sections. This main section element should contain other section elements, as well as content elements as indicated in the next checklist items.

Note: The actual order and structure of the sections and content elements within this main section is entirely up to you.

Requirements Checklist

6. Generic Sections and Articles

Your assignment project should feature both, **section** and **article** elements, within the **main** section;

Note: *It is up to you to figure out how to use <section> vs. <article> in your page structure.*

Requirements Checklist

7. Aside

Your assignment project should feature the **aside** element.

Note: It is up to you to figure out how to use the <aside> element in your web page, and showcase your understanding of the DOM structure with use of the <aside> element.

Requirements Checklist

8. Footer

Your assignment project should feature the **footer** element, at the bottom of the page body.

Note: *It is up to you to figure out what elements to use within the <footer>.*

Requirements Checklist

9. Headings and Paragraphs

Your assignment project should feature **heading** and **paragraph** elements.

Note: Use heading 2 and 3, in addition to the heading 1 that is in the header section. It is up to you to figure out where to place the secondary and tertiary headings and the paragraphs.

Requirements Checklist

10. Escaped Characters

Your assignment project should feature at least one **escaped character**.

***Note:** In class we used the copyright symbol which is added to HTML with the escape character **©** or with **©** but you can use another symbol or character.*

Requirements Checklist

11. Aria-label with Secondary Navigation

Your assignment project should feature a secondary **navigation** element, and use the **aria-label** attribute to label the primary and secondary navigation elements so that the browser and accessibility tools can understand the purpose of each <nav>.

Note: It is up to you to use the tools at your disposal and showcase your research skills to figure out what the 'aria-label' attribute is, how it works, and how to use it for the stated objective above.

Requirements Checklist

12. Time Element with Datetime Attribute

Your assignment project should feature a **time** element, and use the **datetime** attribute to label the date or time so that the browser and accessibility tools can understand the actual datetime value present in the text.

Note: *It is up to you to use the tools at your disposal and showcase your research skills to figure out how the <time> element works, what the 'datetime' attribute is, and how to use them.*

Requirements Checklist

13. HTML Comment Lines

Your assignment project should feature some comment lines in the HTML.

Note: *It is up to you to use the tools at your disposal and showcase your research skills to figure out appropriate ways of using HTML comment lines for organizing, docummenting, and/or annotating the HTML code.*

Delivery

Post the link to your assignment's GitHub repository as a reply to the Assignment post in the Google Classroom.