**IT 3203 Project Milestone 1: Basic Website with HTML/CSS**

**Due Date**: See D2L

**Overview**

We will start with a simple information website to present your research on a particular web technology. Use your research in assignment #1 as a starting point, modify and present selected content as web pages, using HTML and CSS. You can also switch to another technology topic. The following topics are recommended:

* Cookie
* Search engine optimization
* Progressive web application
* Web analytics
* Web application security

**Main Requirements**

Example real-world sites for your reference:

* Perception <https://jackwestin.com/resources/mcat-content/perception> - see the three subpages (topics) linked to the section home page. The pages are generally clean and simple. Ignore the sign-in, toolbar, and ads part.
* Internet History and Usage <https://itwebtutorials.mga.edu/html/chp1/history.aspx> - refer to its page content organization and chapter organization (of course we don’t have that many chapters). Ignore the Google Search part.

Please use the websites above as a reference (both content wise and page design wise) when developing your own site.

**Specific requirements:**

1. **Content and Structure**: Create the basic structure of your website to include at least four pages:
   1. Homepage: serves as a cover page with title, brief intro (or executive summary), key terms, and table of contents linking to other pages.
   2. Topic pages: at least two pages depending on your content, each for one subtopic/section from your research. You don’t need to complete your research at this time. You will continue to do more research and present more content in the next two milestones.
   3. References and resources page: include references and good learning resources.
   4. Use proper HTML elements to present your content. You have to use heading, list, image, and table.
   5. There should be a main menu that is consistent on every page.
2. **Style**: Apply CSS to style your website. Use only one CSS file. Focus on a simple and clean style. You can enhance the design in later milestones.
   1. Need to demonstrate the use of three types of selectors
   2. Need to have a layout implementing CSS grid or flex
   3. Need to apply the following style attributes: hover effect on links, paddings and margins, borders, coloring (text or background), font settings.

**Other Requirements**

1. **Documentation**: Include comments in your code to explain your implementation.
2. **Deploy** your site to your GitHub Pages using a specific project repository.
3. **Validate** your HTML using the HTML validator.

**Submission**

* Submit the URL (directly put it in the Comments textbox, and make it a clickable link). Make sure it works online.
* Compress all source code files into a .zip file and submit it as well.

**Grading Criteria**

* Meet the requirements specified above.
* The live site works correctly.
* Web page design quality. The professional style and creativity on the pages.
* Code quality, organization, and documentation. Well-formed and clean code. You should not use any wizard or tool to generate the code, nor should you copy and paste codes from other sources without cleaning it.
* Follow the submission requirements.

**Additional Notes:**

* The quality of research is not graded in this milestone. However, the research (page content) will be assessed at the end of the project. Please improve your page content throughout the semester.
* This project is an opportunity to showcase your creativity and apply the web development skills from this course.
* Explore online tutorials and resources to enhance your skills in web development and design.