CSIS 1280 Final Project Guideline (Fall 2022)

1. Project Introduction

The Project is a project that should cumulatively cover all the topics in the course, it is to model a small real-world website. This is an **individual work**.

- You are required to create a website of at least three pages.
- This is YOUR project, and you are **NOT ALLOWED to copy** HTML, CSS, JavaScript codes or any contents from others.
- If you are using multimedia (image, audio, video) files from other sources, proper references MUST be provided. If you use text content from other sources, in addition to references, you need to cite the original source.
- You are **NOT ALLOWED to use any HTML/CSS framework** such as BOOTSTRAP, SKELETON, etc.

2. Project Submission

File/folder structure and naming convention

The project **must be submitted as a zip file**. Other type of compression (tar.gz, tar, bz2, rar) submission will receive a ZERO mark. Please make sure to check whether your zip file can be unzipped and contains all the required files for the project to work properly.

The zip file must have the following structure:

Name/structure	Comment
Project_ABcXXXXX.zip	Submitted zip file
css	The project's css folder
images	The project's images folder
script	The project's JavaScript folder
docs	The project's documentation folder
doc_ABcXXXXX.docx	The document file containing your project report, the github repository, and the address of your published website
index.html	
page2_ABcXXXXX.html	Your html files
page3_ABcXXXXX.html	

3. Project Requirement Details

3.1. General Requirements

- You must adhere to the separation of concern concept such that no CSS or JS is written in the HTML files.
- All HTML files should be placed in the main folder of the project. The project's main folder should be named as **Project_ABcXXXXX** (ABcXXXXX follows the naming convention of our labs).
- All CSS declarations need to be saved in external CSS file(s) stored in a separate **css** folder.
- All JavaScript codes need to be stored in javascript file(s) stored in a separate **script** folder.
- The documentation should be placed in the **doc** folder.
- The images should be placed in **images** folder while any video/audio files should be placed in the **media** folder.

- All HTML, CSS and JavaSCript files need to be saved as *filename_ABcXXXXX.ext*, where filename is the name of the corresponding file (please be descriptive) while *ext* is the associated file extension, e.g., css, js or html.
- The main file of your project should be named as *index.html.* Other pages should be named as *page2_ABcXXXXX.html*, *page3_ABcXXXXX.html*, etc
- All images used in the project should come from any royalty free websites. You need to create a document consisting the link where you get the images. You cannot provide a link to google search. If you create the images or videos yourself, you should mention that those images and videos are made by yourself (see the documentation part below).
- **You cannot use any codes or files that were shared to you by the instructor either for the demo or tests.**

3.2. HTML and Content Requirements
- **You can only use HTML5 elements** in your page. Any usage of earlier version of HTML elements result to mark reduction.
- **You must follow the proper coding structure, style, and guideline** in creating the HTML pages.
- **Your project should include a form where you have at least four different types of input. The form must be validated both by inline CSS and JavaScript.**
- **Your project should have at least one embedded video** in one of the pages. You should use a video from a media sharing video that allow embedding such as YouTube or Vimeo. If you make the video yourself, you should upload your video to YouTube and allow it to be shared/embedded. You can set the video to be unlisted if you do not wish the video to be available in public.
- **You must put enough text content to the page such that it will model a complete website**. Embedding several images in a page is not considered as adding content.
- **Originality of content**, content that are made yourself e.g., images, video, text, lyrics, etc, will receive a higher appreciation mark.
- You should use proper citation if you take any text content from any work, book, Wikipedia, or web articles.
- All the pages should be properly linked in an easy-to-use navigation.

3.3. CSS Requirements
- You must use CSS3 to create a consistent theme and layout throughout the project.
- **Your pages should be responsive** such that it will look nice in mobile, tablet or desktop.
- **You cannot use HTML table to create the layout** of your web pages.

3.4. JavaScript Requirements
- In addition to the JavaScript validation for the form, **your project should have JavaScript codes that add dynamic content to some of the pages**.
- The additional JavaScript can be in the form of animation, game or any other dynamic content that you created yourself. If you need any JavaScript library to create your code, you need to specify the link of the library in the documentation.

3.5. Project Report Requirements

You are required to submit a project report containing up to 5 pages, you will lose marks for being over or under the designated number of page (1 mark for every extra/less upto 1 page). The report should explain the following

- **Introduction**: provide a summary of the theme/content of the website, why you are interested to make such a project or where you get inspiration in creating such a website.
- **Website layout**: explain the technology you used to implement the layout (float, positioning, css grid, flexbox, etc). Give a layout wireframe, i.e., drawing of general page layout.
- **Website organization**: provide the website structure that include some explanation of what the pages are and what content or purpose of each page has. Go through each page and explain the features you implement at each page: the navigation, embedded video, javascript, dynamic content, etc.
- **Content declaration**: You need to declare and cite all the text content, images and media files you used in your website project. You must also provide the link to any JavaScript library that you might use to create the dynamic content in your website.
- **The highlight (bragging) part**: highlight or bring into focus the part of the project that you are so proud about, that you spend a lot of time to perfect it, that you have done a lot of research on, or that includes the use of technology not covered in the class.
- **Link to the GitHub** repositories and GitHub pages of your published website
- **References**. You must provide references for any other materials that were used or consulted for your project. This includes stack overflow, w3schools, LinkedInLearning.com etc.

3.6. Web Publishing Requirements
- Create an account at GitHub repository and publish your website there.
- You need to write the repository link and your project website address in the text file you created in the video presentation requirements.
- You can refer to the following in to understand how you can publish your website, https://medium.com/@svinkle/publish-and-share-your-own-website-for-free-with-github-2eff049a1cb5

4. Marking Criteria

The project will be graded on a scale of 25 points.

Criteria	Grading
The JavaScript produces error or warning message(s) in the display or console	-3 points
Bad programming practice and style	-2 points
Each extra CSS or unneeded HTML declaration	-1 point
Project submitted and named properly according to the naming convention.	1 point
Good program style and structure are used, and comments are used where applicable. Separation of concerns is adhered to. Naming conventions are followed.	2 points
The website pages have good content. All the pages are linked and the whole website has an easy to use navigation.	2 points
HTML Forms are coded properly with CSS inline validation and JavaScript constraint validation were applied.	3 points
At least one type of media (video or audio) are embedded in one of the pages. The media fit nicely in the page and have similar theme with the other content.	2 points
The CSS layout is efficient, and consistent throughout the project. The color and font are chosen such that the page will have a nice professional feeling, and not hurting the viewer's perception. The layout is easy to use and controls are intuitive. All pages should be responsive and set to look nice in mobile, tablet or desktop.	4 points
Your project includes additional JavaScript codes to provide dynamic content. Proper programming styles and practices are followed. The dynamic content fit nicely with the theme or other content of the website and add some value to the whole project. Creativity is highly appreciated. Links to JavaScript library (if used) are provided in the documentation.	3 points
Quality of the web pages exceeds any pages we have done in the class demo, assignments, and tests	3 points
The report contains all the required content as described above.	3 points
The project is published at the GitHub and people can view the project's pages online.	2 points.