University of Calgary
Faculty of Science
Department of Computer Science

UNIVERSITY OF CALGARY

SENG 513- Web-based Systems
Assignment 1
Static Website
Fall 2022

1 Objectives

This assignment is intended to give you hands-on experience in HTM and CSS. This is done through the manual development of a static website of at least 5 pages without the use of any libraries. It is an individual assignment. No sharing with members of your groups whatsoever.

2 Background

Assume that you are a club director at the group of your choice. For instance:

1. Car enthusiasts

2. Sport enthusiasts

3. Food/cooking enthusiasts

4. Some form of event

Your task is to develop a well styled website using HTML and CSS on the topic of your choice.

3 Requirements

Your website should consist of at-least 5 pages, including a main page which users will begin on. There should be a header/footer of some sort in which there is a link to every

other page, or at-least a link back to the main page which you can direct to other pages from there. Your website should be visually appealing (font, layout, color theme, spacing), and all pages must be relevant to the main topic. Each page must also include one large image.

At-least once you should use each of the following HTML elements on your webpage, and have them nicely styled:

1. A Table with at-least 3 elements

2. A list of some sort (ordered or unordered)

3. A video

4. Other possible media

The following should be considered:

1. Your assignment must be publicly viewable. That means you must host it on a publicly available web server. As discussed in the tutorials / lectures, there are some free hosting choices, one of them is the department server.

2. All files (html & css) must be written by hand (manually). You must NOT use any application to auto-generate your html or css, e.g. you cannot use MS Word to export html/css. No libraries should be used at ALL. The html/css must be nicely formatted, so that a human can easily read it.

3. Your webpage should be usable and well formatted on all major web browsers (Chrome, Firefox, Edge, and Safari).

4. All CSS code for all pages should be contained in a single .CSS stylesheet which is linked to in your header.

5. Alongside your HTML and CSS documents, you need to generate a PDF document consisting of only the following information[1]:

   (a) Your name, student ID, tutorial section and topic of your website.
   (b) URL of your website to be viewed on the world wide web.
   (c) Which browsers you tested with your website, as well as the screen resolution tested on.
   (d) Any other details which are important to know when testing your websites.

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[1]This file should be part of the uploaded documents to D2L dropbox.

4   Grading policy

Students could be randomly selected to demonstrate their work and answer all related questions. Work should be done individually. Any source of help MUST be indicated and cited.

The assignment will be given a letter grade and carries 5% of the total grade. The following are considered in grading your assignment:

1. Sites must consist of 5 pages

2. All pages must be navigable, meaning no page should contain a 'dead-end' with no links out.

3. Each page must contain one large image at-least

4. The use of a Table with at-least 3 elements

5. The use of a list of some sort (ordered or unordered)

6. The use of a video

7. The availability of the site publicly.

You are not required to make your website responsive or mobile-friendly, however it must work on one screen resolution listed in your submitted pdf document.

Just having the requirements above does not necessarily guarantee the marks, assignments must show good use of CSS styling.

5   To Submit

You must submit the following (please follow the instructions of your TA):

1. A PDF document, as described above, titled your first name, last name, followed by the pdf extension. For example if you name is John Doe, your pdf document would be called 'JohnDoe.pdf'.

2. A series of 5 or more HTML files containing your web pages

3. A single CSS stylesheet for your entire webpage

4. Any remaining files required to build your webpage, such as .mp4 files, and .jpg files.

All submissions must be uploaded through the D2L dropbox.

You are URGED to check your submission after loading on D2L. Empty submission after the deadline will be subject to the indicated penalties.

6   Deadline

Monday October 3, 2022 before 11:55 P.M. For each late day (in full or in part), a deduction of %20 will be applied.

7   Plagiarism

All resources must be cited. Any website which you take images / videos from must be cited in your PDF document. Any resources which have significantly helped you in making your code should be cited, and you should not copy paste code from online websites but rather write all code by hand. A tool used to check plagiarism will be ran on student submissions. This is an individual assignment and students MUST not collaborate on the assignment in terms of sharing code under any circumstances. Even after the deadline, you must not share your code or make it available for others.