

# Project: Web Assignment (30%)

420-120 – web development 1 (Fall 2020)

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In this assignment, you are requested to create a website for a given topic.

- This assignment must be done by a group (min 2, max 3)
- Groups of 3 are subject to the professor's approval.
- Members of groups are evaluated individually
- For each page, names/ids of contributor(s) and contribution percentage.
- The web site consists of a minimum of SIX pages.
- The first page is the ENTRY page to your website and should be named **home.html**
- The last page in your website and should be named **contact.html**
- **Do not name any file** (index.html).
- Inside your LOCAL DRIVE/420-120/, create folder **Project**.
- Store all your (html, css, multimedia ...) files and folders inside **LOCAL DRIVE/420-120/Project**.

# 1 Requirements

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## 1.1 GENERAL REQUIREMENTS

The web site must:

- a. be based on a single topic/subject (see the [list](#) in the last page)
- b. have interesting information that makes people want to visit your website.
- c. be well organized and easy to navigate
- d. be artistically pleasing
- e. be tested on several web browsers (Chrome, Firefox, IE, Safari, ...)
- f. have a well-organized file-system structure: i.e., your (html, css, multimedia, ...) files must be well-organized in your server (properly stored in folders)
- g. be uploaded to your server account  
`http:sonic.dawsoncollege.qc.ca/~F19123456/420-120/Project/home.html`

you will be marked on

- content, design, organization
- marks will be deducted for errors, spelling, broken link, slow load time (e.g., images)

## 2 Technical criteria:

You must use:

### 2.1 Tables, graphics & Forms

- a. Tables (for data and/or images)
- b. Graphic title or logo (on top of every page)
- c. A suggestion would be to create the title or logo you wish to use in Photoshop (or any other Graphics software) or use on an online tool of your choice.
- d. In every page footer, show for each member: name, id, 'sonic' link to the same (current) page, and Copyright /year.
- e. Forms (see [tabs](#) section for e.g., and/or login, registration, etc.)  
The last page **contact.html** must contain at least two forms (one for contact by email, one for chat)

### 2.2 Menu bars

- a. A horizontal and/or vertical menu bar with a home link to **home.html** as the first menu option
- b. You should use icons (besides text) for your menu bar options

### 2.3 Layout & Positioning

- a. You should use html5 semantic elements; use divs and spans as well.
- b. You must use fluid layout.
- c. You must use (relative, absolute, sticky, and fixed) attributes to position different part of your layout.
- d. The structure of your fluid layout (number of columns and exact layout) is up to you.

### 2.4 head section

- a. use of at least three meta-tags (i.e. keyword , description, utf,...),
- b. use any tag that allows a good ranking of your web site in the search engines
- c. titles for each page

## 2.5 content

- a. paragraph/heading text on each page, as well as images. (<p>, headings <h1>, <h2>, <h3> .. <h6>, <br> <img .... >, etc.)

You must include/use the following:

- b. at least one link to an external website. Use an absolute hyperlink, and have it open in a new browser tab or window.
- c. simple rollover effects (CSS using the :hover pseudo selector or image based rollovers)  
at the footer of each page, put your name/id and the name/id of the other members and the copyright 2020 message as well.
- d. Each student **name** must be clickable and should reference to the same (current) page that is in the sonic account of the student **name** in question.

## 2.6 styling

You must use a THREE external style sheets files to style all your website pages.

- one css file called **pagestyle.css** to style the layout and structure of your pages.
- one css file called **menu.css** to style all your menus (horizontal and vertical)
- one css file called **tabs.css** to style the tabs (see [tabs](#) section)

In your **pagestyle.css** css file, you must specify at least:

- a. font family and font size for body, paragraph and heading text, ...
- b. attributes for various link states including *link*, *visited*, *focus*, *hover*, and *active*.
- c. Attributes for form elements states (pseudo-classes) including different types of inputs.
- d. Tables and its elements and attributes
- e. Background image and/or background colors for your containers (sections, divs, ...)
- f. Any Additional CSS styles for other elements of your website you deem necessary.

## 2.6 JavaScript

You will use CSS and JavaScript to code the tabs.

One of the menu option (preferably the last one is **Contact**. Once **Contact** is clicked, the page called **contact.html** is open.

The **contact.html** must have tab structure with 4 tabs called [address](#), [call](#), [e-mail](#), [chat](#).

- a. Tabs [address](#) and [call](#) contain the address and telephone numbers respectively (no form).
- b. If **e-mail tab** is clicked, a **form** appears and you can enter your-email address, the topic, type the text, and hit submit button.
- c. If **chat tab** is clicked, a **form** appears and you can enter a message and press button send.

## 2.7 USING FAVICON

What is Favicon? From (<https://www.w3.org/2005/10/howto-favicon>) "A favicon is a graphic image (icon) associated with a particular Web page and/or Web site. Many recent user agents (such as graphical browsers and newsreaders) display them as a visual reminder of the Web site identity in the address bar or in tabs."

1. You can use online favicon generators and design your own.
  - <http://www.favicon.cc/>
  - <https://www.favicon-generator.org/>
2. Paste the code between the <head>and </head> of your site:  
Basic Format: <link rel="shortcut icon" href="path and file name" />  
Example: <link rel="icon" type="image/ico" href="images/favicon.ico"/>  
Or <link rel="icon" type="image/png" href="/somewhere/myicon.png" />
3. Publish your site. The favicon will appear in the address bar (and also in the Favorites / Bookmarks menu when saved) of your browser.

### 3. SUBMISSION

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- Once properly tested in your LOCAL DRIVE/420-120/, upload the whole project to your sonic account.
- Test the page remotely by pointing url to:  
`https:// sonic.dawsoncollege.qc.ca/~YOUR_USER_NAME/420-120/Project/home.html`
- Submit to LEA the entry (first) page only
- Put your name/id and the name/id of the other members
- Only one member must submit the page to LEA.
- However, **all members must** have the same copy of the project in their respective server account
- Deadline: as stated in LEA

## Appendix

### 4. POSSIBLE TOPICS/SUBJECTS

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[\(go top\)](#)

You may create a website about:

- Special things about any city in the world.
- Tourist attraction/location
- Online learning (e-course, online tutoring, etc.)
- Sell/buy/rent houses
- e-commerce: Selling goods (any product, for e.g., used cars)
- Festivals and Events
- History
- You can come up with your own topic