

SYSC4504
Fundamentals of Web Development (Winter 2024)

Assignment 1
SYSCX – Part 1

	Name	Email	Responsibility
TA:	Moe Zalat	mohamedzalat@cmail.carleton.ca	Marking

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I. Introduction

Throughout the semester you will work on creating a local version of X (Twitter) for SYSC students. The name of the website is SYSCX. In this assignment, you will work on and prepare three main pages of the website.

1. index.html
2. profile.html
3. register.html

II. Objective

Apply the theory that was learnt during lectures about HTML, CSS, forms and tables to create a social media website.

NOTE: It is recommended to go over chapters 3-5 from the textbook before attempting the assignment.

III. Project Preparation

For this assignment, you are provided with a starting code for the website structure to start your solution from.

1. Open VS Code.
2. Create a folder named “firstname_lastname_A01”.
3. Save the workspace and give it the same name as the folder.
4. Download the provided starting code from Brightspace.
5. Your work should be implemented on the provided .HTML and .CSS files

IV. Project Implementation

The Project is divided into two parts, HTML and CSS. In both parts, you will start from scratch and build up on it. You will start first by creating the page’s structure using HTML in part 1 then apply some styling using CSS in part 2.

NOTE: You can choose to speed through the assignment and do the minimum amount of work to simply gain the assignment’s credit. However, it is recommended to finish the mandatory and optional parts of the assignment.

For each of the provided files, change the HTML markup and CSS styling so that each of the pages when displayed in a browser, looks as much as possible like the images below.

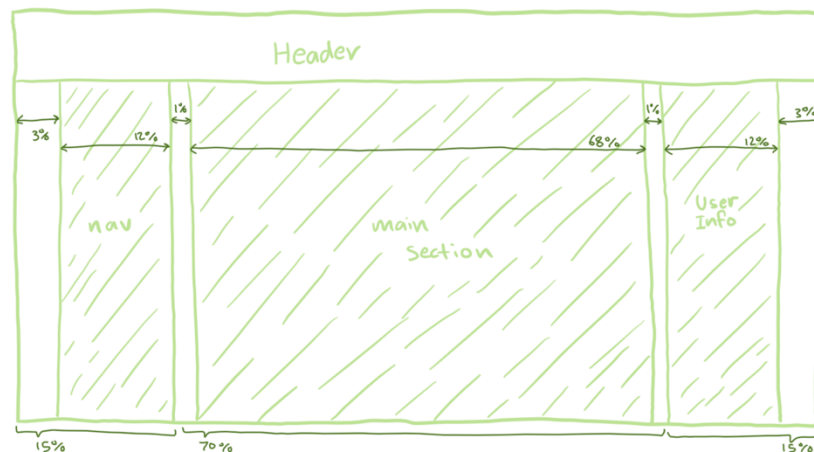
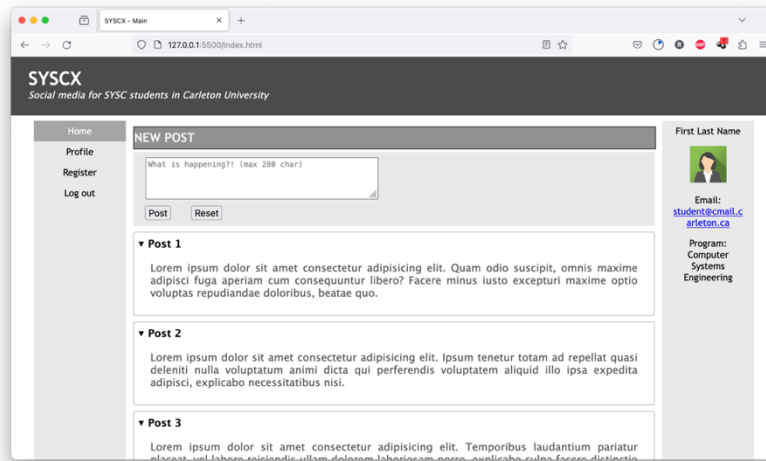


Figure 1 - Page section percentages used to output the provided screenshots

Note: the following pages/screenshots are rendered with Firefox as the browser.



Notes:

- the text inside the three posts is not important, as long as you have something there.
- The posts are created as details/summary html5 tags

Figure 2 - index.html expected output

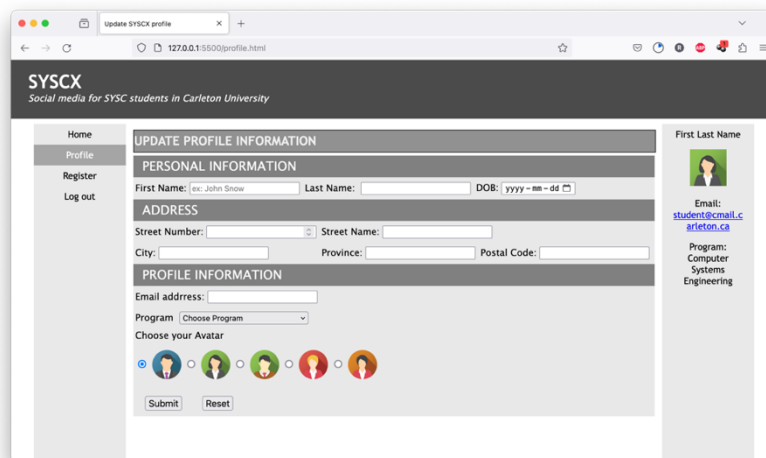


Figure 3 - profile.html expected output

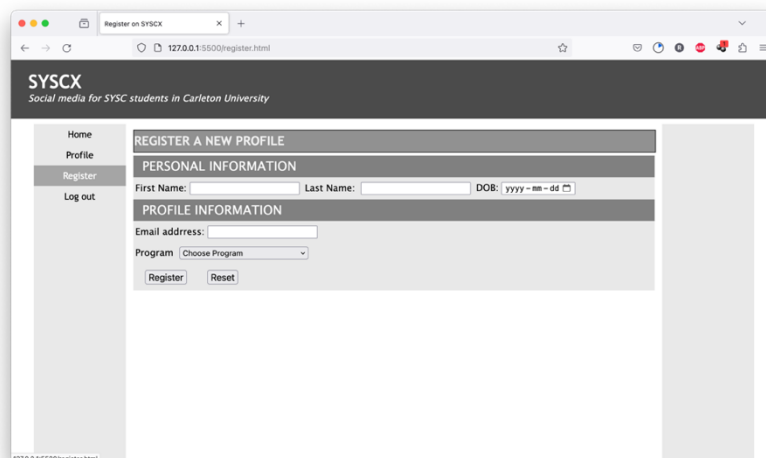


Figure 4 - register.html expected output

The required markup should all go into index.html, profile.html and register.html, the necessary styling instructions should be contained within style.css (which gets loaded by each of the html files). Design your solution based on the following guidelines:

- 1) Create the form and position elements by placing them within a table. As discussed in class, this is not best practice but it:
 - a) Helps to exercise table-related markup
 - b) Older sites often use tables for layout, so it doesn't hurt to have some experience with this approach.
 - c) A more sophisticated approach would be to use advanced CSS commands to manage the layout, such as the ones discussed in the textbook (Chapter 5 of the 1st edition, Chapter 7 in the 2nd edition).
- 2) For the drop-down menu in profile.html, add the following items:

a) Choose Program	e) Biomedical and Electrical
b) Computer Systems Engineering	f) Electrical Engineering
c) Software Engineering	g) Special
d) Communications Engineering	
- 3) For the radio list menu in profile.html, you must use the provided pictures for avatars.
- 4) When pressing Submit, each of the forms should issue a request to the corresponding .php script.
 - a) **Index.html:** https://ramisabouni.com/sysc4504/process_index.php
 - b) **profile.html:** https://ramisabouni.com/sysc4504/process_profile.php
 - c) **register.html:** https://ramisabouni.com/sysc4504/process_register.php
 - **Notes:**
 - Use the following scripts to test that your forms work and displays the expected outcome as shown in an example below.
 - Since we have not yet dealt with server-side programming, the details of those .php script is not important. We will cover php later in the course. The source code for these PHP pages have been provided in the folder (phpScripts) to satisfy your intellectual curiosity and provide you with the “name” of each input type.
 - If your forms are not able to send their content when submitted to the provided scripts, you will receive a zero or at least you will be deducted marks.

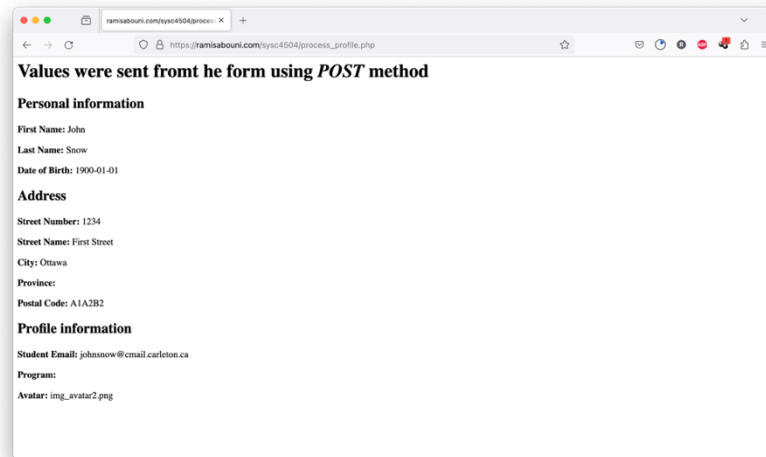


Figure 5 - Sample output of `process_profile.php`

IMPORTANT: Before submitting the file, use <http://validator.w3.org/> to confirm that your solution is proper HTML5.

V. Marking Scheme

Once the TA loads the HTML document with a web browser, they should be able to test that you correctly performed all required tasks.

Marks will be divided equally between all three files (1 point each). The marks for each file will be based on:

- Completeness of your submission
- Correct solution to the problem
- Adhering to the submission requirements

VI. File Submission

After you finish all the requirements:

1. Compress your whole project folder that you created at the beginning of the assignment and submit it to Brightspace.
 - **IMPORTANT:** The only allowed extension is: **.zip**
2. Submit your work on Brightspace.
 - No email submissions are allowed
 - Missed deadline will result in an automatic **zero**