

# SYSC4504

## Fundamentals of Web Development (Winter 2023)

### Lab 3 – HTML Tables and Forms

	Name	Email	Section	Responsibility
<b>TA:</b>	Amir Ghorab	<a href="mailto:amirhoseeinghorab@gmail.com">amirhoseeinghorab@gmail.com</a>	L10, L30	<i>Res 1</i>
	Omar Imran	<a href="mailto:OmarImran@gmail.com">OmarImran@gmail.com</a>	L10, L20	<i>Res 1 &amp; Res 2</i>
	Nihal Kulkarni	<a href="mailto:nihalkulkarni@gmail.com">nihalkulkarni@gmail.com</a>	L30	<i>Res 1</i>
	Kristen Beange	<a href="mailto:kristenbeange@gmail.com">kristenbeange@gmail.com</a>	L20	<i>Res 1</i>

#### TA Responsibilities:

Res 1. Lab Administration (answering questions and attendance)

Res 2. Grading submitted work

#### Marking scheme:

You can discuss your solution with other students; however, you have to submit your own work, you cannot submit the exact same work (solution) of other students.

The marking contains two components:

1. Lab attendance and it is graded as follows (**1 point**):
  - You must answer questions from the TA during the lab time to confirm your understanding of the topics covered
    - You will receive **Un-Satisfactory (U)** grade if you only finish questions 1 & 2 (0/1)
    - You will receive **Marginal (M)** grade if you only finish questions 1 to 3 (1/1)
    - You will receive **Satisfactory (S)** grade if you finish all the questions (1/1)
2. Your submitted work will be evaluated based on the completeness and functionality (**2 points**).
  - Refer to the “**File Submission**” section at the end of this document for more details.

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## I. Introduction

In this lab, you will continue working on the Fan Page project you started in Lab 02. The lab is divided into two parts (Tables and Forms).

**NOTE:** It is recommended to go over chapter 5 from the textbook before attempting the lab.

## II. Objective

Apply the theory that was learnt during lectures about HTML Tables and Forms in adding features to the website created in Lab 02.

## III. Project Preparation

1. Download your submitted solution from Lab 02
2. Make two copies of your “index.html” file.
3. Rename the files into “catalog.html” and “contact.html”
4. Download and extract the zipped file name “lab03\_images.zip” from Brightspace
5. Depending on which company you decided to create the fan page for, move the company’s image folder to your images folder.
  - The folder should be a sub-folder of the images folder.

## IV. Project Implementation

The lab is divided into two parts, HTML Tables and HTML Forms.

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

### Part 1: Create the “catalog.html” page

In this part, you will work on creating a table and changing its style to match the provided screen shot. All your work for Part 1 will be on the “catalog.html” document.

In the provided “lab03\_images” folder, you will find 27 images with different sizes. You need to create a table that has 7 columns and 7 rows. In each cell of the table, you will insert one of the images in order. Refer to the table in the image below for reference:

<u>The game's name goes here</u>						
1	2	3	4	5	6	7
8		9		10	11	
12	13		14	15		16
17			18			
19		20	21		22	
		23	24	25		
26				27		

Notice that some of the images they span over multiple columns and/or rows. For example, image 8 spans over 2 columns, image 16 spans over 2 rows, and image 13 spans over 2 columns and two rows.

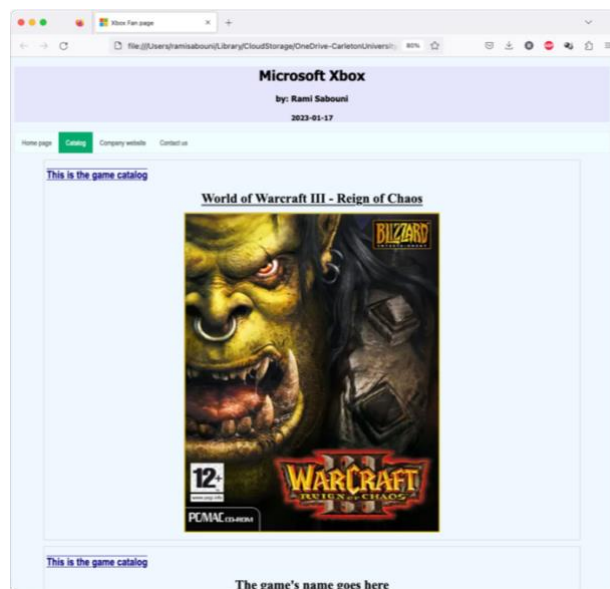
Think about this as if you have 27 puzzle pieces of different sizes and you are trying to put them together. Your resulting web page should, as much as possible, look similar to the screenshot provided below.

**Note:** The page is rendered with Firefox as the browser.

To achieve the expected output, follow these steps:

1. Create the table's structure.
  - Here are some of the tags/properties that you might need:
    - a. `<caption>`: Table caption (The name of the game goes here)
    - b. `<tr>`: Table rows
    - c. `<td>`: Table data (one image per table data)
    - d. To merge two cells on the same row, use `colspan = "2"` inside the `<td>` tag
    - e. To merge two cells on the same column, use `rowspan = "2"` inside the `<td>` tag
    - f. The collective number of rows/columns in the table should be equal to 7 rows and 7 columns

2. Change the style of the table to have the image look exactly as shown in the screenshot.
- Your style should go in the same style.css file you created in lab02.
  - Here are some hints to help you achieve the desired output:
    - a. Which table property do you use to remove space between table borders?
    - b. How do you remove spacing around a tag? (margin and padding)
    - c. How do you center the table in the page?
      - Margin-left: ...
      - Margin-right: ...
    - d. If you remove all the spacing between table cells, you will have a remaining white border around the images, to make sure that the image has is treated as a block without anything around it, you need to change the image's selector to `display: block;`

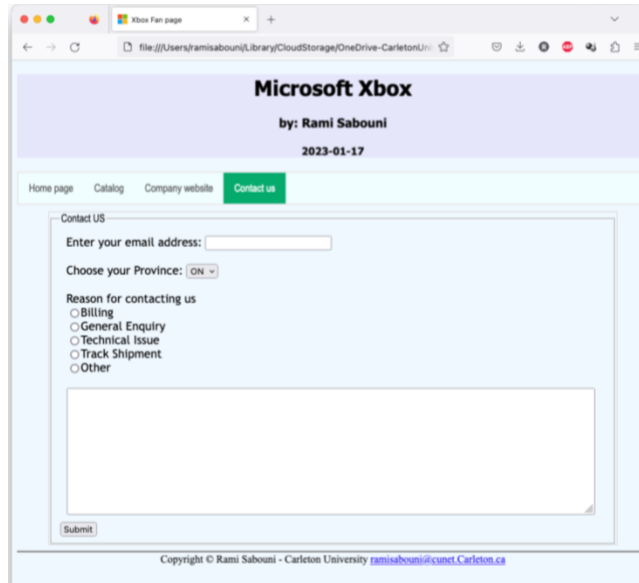


Before submitting the file, use <http://validator.w3.org/> to confirm that your solution is proper HTML5.

## Part 2: Create the “contact.html” page

In this part, you will work on creating a contact us page that looks similar to the provided screenshot. All your work for Part 2 will be on the “contact.html” document.

Your resulting web page should, as much as possible, look similar to the screenshot provided below. **Note:** the page is rendered with Firefox as the browser.



The screenshot shows a web browser window with a single tab titled 'Xbox Fan page'. The address bar shows a local file path. The page content is a contact form for 'Microsoft Xbox' by 'Rami Sabouni', dated '2023-01-17'. The form has a navigation bar with 'Home page', 'Catalog', 'Company website', and a highlighted 'Contact us' button. The form itself is titled 'Contact US' and contains the following elements: an 'Enter your email address:' text input field; a 'Choose your Province:' dropdown menu with 'ON' selected; a 'Reason for contacting us' section with radio buttons for 'Billing', 'General Enquiry', 'Technical Issue', 'Track Shipment', and 'Other'; a large text area for a message; and a 'Submit' button at the bottom. The footer of the form reads 'Copyright © Rami Sabouni - Carleton University ramisabouni@carleton.ca'.

Here are some details of what should be included in the form:

1. The form should use the POST method
2. The form's action should be sent to the following script.
  - The script is provided on Brightspace for reference. You can open it in any text editor.
  - [https://ramisabouni.com/sysc4504/Lab03\\_process.php](https://ramisabouni.com/sysc4504/Lab03_process.php)
3. The form should have:
  - Fieldset
  - Legend
  - Input text area for an email address
  - A drop down menu with the abbreviation of all Canadian provinces
  - Radio option for taking user's choice on reason for contacting us.
  - A text area to allow user to enter their message
  - Submit button

## V. File Submission

After you finish all the exercises:

1. Compress your project's folder (including your Lab02's files) and submit it to Brightspace.
  - **IMPORTANT:** The only allowed extension is: **.zip**
2. Once you are done, you must answer few questions from one of the TAs during the tutorial time to be "signed out"
3. Submit your work on Brightspace.
  - No email submissions are allowed
  - Missed deadline will result in an automatic **zero**