



Foundation in Computing

ITS30605 Web Programming

Practical Assignment 1, August 2022 Semester

The purpose of this assignment is:

- to demonstrate practical skills using HTML and CSS to design responsive webpages

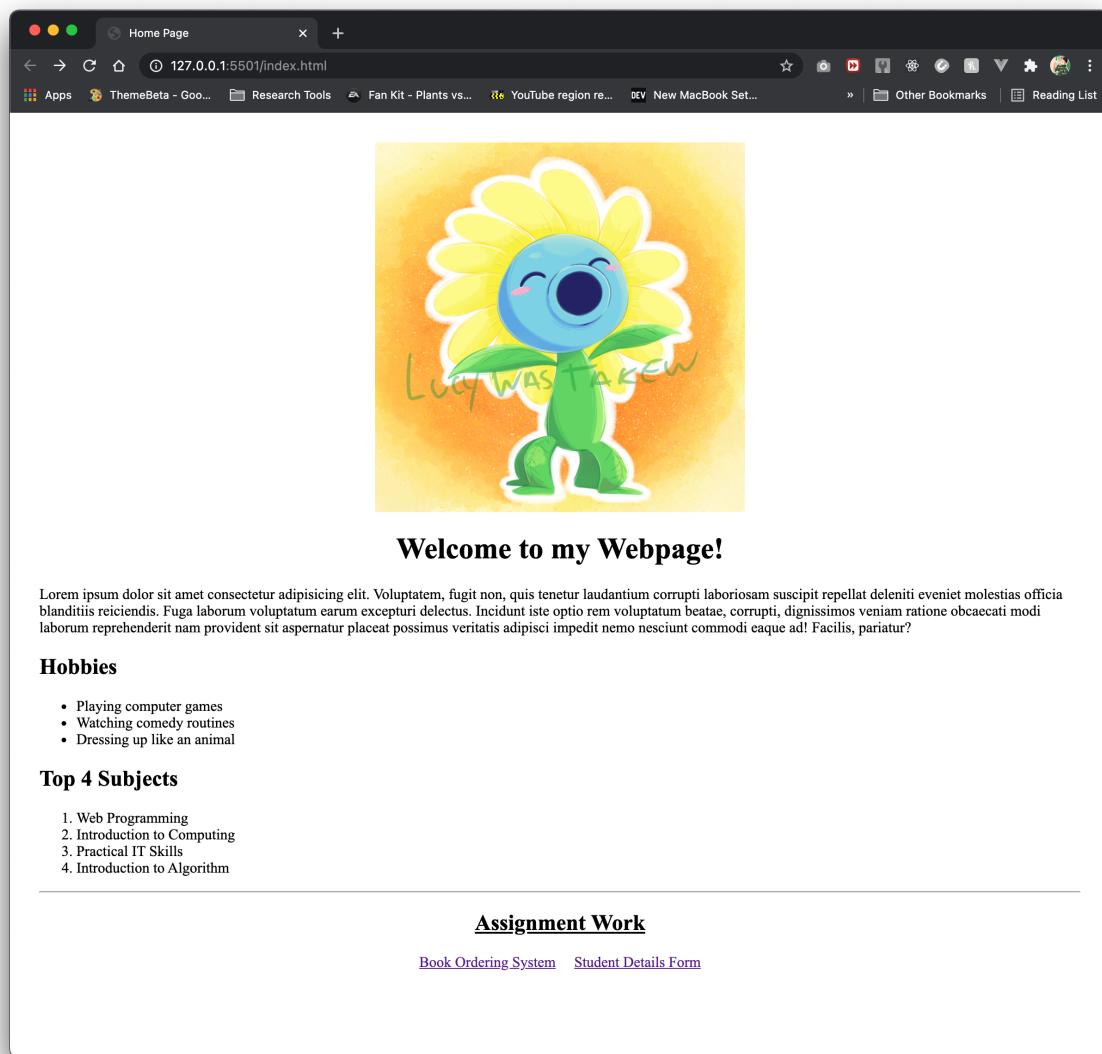
TGC 2.0 Learning Outcome(s) Assessed:

ML01 Demonstrate proficiency in using HTML and CSS to design and develop simple and responsive websites to convey information and visual context. (TGC 3.1, 3.2)

You are required to create a few webpage files that make up an integral part of a website using HTML and CSS. Proper formatting in HTML and CSS scripts are to be observed.

HTML File 1: Home Page/Landing Page [15 points]

Create a landing webpage called `index.html` – this page serves as the home page of your web site. The webpage should look like as follows:



The landing page should have the following HTML elements:

1. A picture of your choice as the top image (self-portrait, favorite cartoon character, etc.)
2. A heading element with a welcome message
3. At least 1 paragraph element to contain a brief self-introduction (cannot be lorem ipsum text)
4. Unordered list containing your hobbies

5. Ordered list containing your top FOUR (4) subjects
6. A horizontal line element
7. A section with hyperlinks to the other webpages in the web site

The CSS stylings required here include:

1. Center all heading elements and top image
2. Unordered list should use a list style type **different from disc**
3. Everything in the hyperlink section must be centered
4. Background color/image – free choice

Apart from the required stylings as listed, you are to apply additional CSS to improve and enhance the webpage's layout. You are permitted to use embedded or external CSS for this HTML file.

HTML File 2: Book Ordering System [20 points]

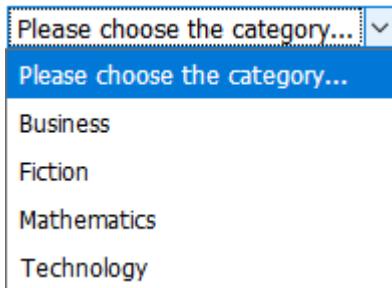
Create another webpage called `book-order.html`. The webpage should look like as follows:

No.	Book Title	Author	Category	Unit Price	Quantity	Total
1	<input type="text"/>	<input type="text"/>	Please choose the category... ▾	0.00	0	0.00
2	<input type="text"/>	<input type="text"/>	Please choose the category... ▾	0.00	0	0.00
3	<input type="text"/>	<input type="text"/>	Please choose the category... ▾	0.00	0	0.00
4	<input type="text"/>	<input type="text"/>	Please choose the category... ▾	0.00	0	0.00
5	<input type="text"/>	<input type="text"/>	Please choose the category... ▾	0.00	0	0.00
					Calculate Grand Total Price	0.00

This webpage should contain the following elements:

1. **ONE (1)** HTML table that produces the same layout as shown in the given picture
2. **FIVE (5)** input text fields for users to input the Book Title. Default value is empty.

3. **FIVE (5)** input text fields for users to input the Author's name. Default value is empty.
4. **FIVE (5)** dropdown fields for users to select the book's Category. These dropdown fields should contain list items as shown:



Set the "Please choose the category..." option to include the **disabled** and **selected** attributes.

5. **FIVE (5)** input fields for users to input the Unit Price. Default value is 0.00.
6. **FIVE (5)** input fields for users to input Quantity. Default value is 0.
7. **FIVE (5)** input fields to view Total. Users are not allowed to input in these input text fields. Default value is 0.00.
8. **ONE (1)** button with the text "Calculate Grand Total Price".
9. **ONE (1)** input field to display the Grand Total. Users are not allowed to input in this text field. Default value is 0.00.

Do not use a form element to create this webpage. Apart from that, ensure the input fields utilize the correct "type" attribute.

The CSS stylings required here include:

1. Header row text set to bold
2. Background color of header and footer rows: **skyblue**
3. Background color of all text fields in the Total column: **silver** (compulsory to use pseudo-class selector)
4. Background color of non-header and non-footer rows when hovered: yellow
NOTE: The hovered row must be highlighted yellow, NOT EACH CELL!!
5. Text alignment of all number inputs: right (compulsory to use pseudo-class selectors)
6. Number input serving as the Grand Total: right text alignment and 18pt font size
7. Padding in table rows: 0.5 rem

Apart from the required stylings as listed, you are to apply additional CSS to improve and enhance the webpage's layout. You are **only** permitted to use external CSS for this HTML file. Additionally, you are **NOT required to add any dynamic functionality** to this page yet – this will be tasked in Assignment 2.

Extra credit (5 points, active if at least 6 points are obtained for the CSS component)

The number inputs may come with increment arrows when active. To obtain full extra credit (no partial credit given here), you are required to disable the increment arrows that would otherwise appear in the unit price, quantity, and total input fields. Purposely utilizing an inappropriate input field type is not a valid solution.

HTML File 3: Student Details Form [15 points]

Create another webpage called `form.html`. The webpage should look like as follows:

Student Details	
Student ID	<input type="text"/>
Name	<input type="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female <input checked="" type="radio"/> Rather Not Say
Favorite Module	<input type="text" value="Please choose a module..."/>
Notes	<input type="text"/>
	<input type="button" value="Submit"/> <input type="button" value="Reset"/>

This webpage should contain the following elements:

1. A `form` element encapsulating the table (set `action` attribute to `form-submitted.html`)
2. Gender radio buttons – check "Rather Not Say" by default
3. Favorite Module – include dropdown fields for the following options:
 - a. "Please choose a module..." (add **disabled** and **selected** attributes)

- b. Introduction to Computing
 - c. Web Programming
 - d. Introduction to Algorithm
4. Notes – use the textarea element
 5. Submit and Reset buttons (these exist as types of input elements)

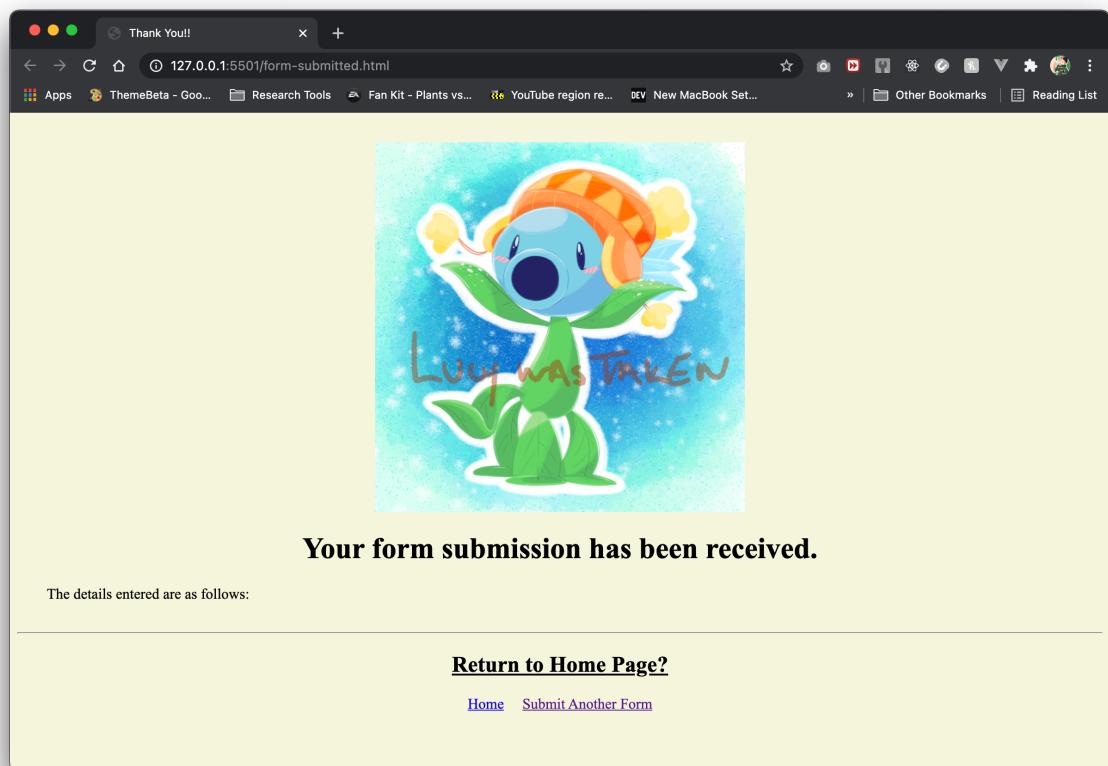
The CSS styling required here include:

1. Table should take up 75% of the browser window's active width
2. Table columns' widths must be equal (you can adjust the textarea element if it is too big and messes up the equal width)
3. Text and dropdown inputs must take up 95% of available width

Apart from the required stylings as listed, you are to apply additional CSS to improve and enhance the webpage's layout. You are **only** permitted to use external CSS for this HTML file.

HTML File 4: Student Details Form (Submitted) [10 points]

Create another webpage called `form-submitted.html` – this page should appear after clicking on Submit in `form.html`. Replicate the following webpage as close as possible like as follows:



The image and background color used is of free choice, but otherwise all other elements should be matched as much as possible. The bottom of the page should include hyperlinks to the landing page and `form.html`. You may use any of the same stylings used for `index.html`. You are permitted to use embedded or external CSS for this HTML file.

NOTE: The Live Server extension in Visual Studio Code may keep giving an error when trying to display this image after clicking on "Submit". To mitigate this problem, you may choose to open the web site without the use of the Live Server extension (i.e., open the file immediately from the File Explorer/Finder/etc. window.

Additional CSS Requirements

1. In cases where you are to create external CSS files, you are to keep the files in a separate subfolder called "css". Additionally, images should be kept in a separate subfolder called "images".

2. You are required to **USE A DIFFERENT FONT** other than the default (i.e., Times/Times New Roman/serif/sans-serif). You are free to import fonts from within your

assignment's file directory (not from the C drive or home folder) or import from online font repositories like Google Fonts. However, ensure you pick a legible font that is easy for site visitors to read.

NOTE: If you are using a locally hosted font, **include the .ttf/.otf/etc. font files together with your submission** in a folder called "fonts".

3. You are **strictly forbidden** from using any front-end frameworks to complete this assignment. All points pertaining to CSS styling will automatically be void should this requirement go unheeded.

Proper Script Formatting

You will also be graded on proper indentation and structure; improper use of such will warrant severe point deductions. Additionally, the use of deprecated HTML attributes/elements/etc. is strictly forbidden. Refer to various online sources to check if any of the attributes/elements/etc. you plan to use for your webpages are deprecated according to the HTML 5 standard.

Also, ensure that each webpage has a proper title to be displayed in your web browser tab.

Submission Guidelines

This assignment should be carried out individually.

Your submission should include a zip file containing all essential scripts and/or files required.

Ensure that you have a separate subfolder for **BOTH** offline CSS and image files each, if there are any.

TAKE NOTE:

- Submissions are to be made through the submission link made available through TIMeS. Submissions via e-mail or other media outlets will be disregarded.

Compress your project folder containing all relevant files in a zip file before submission.

Your zip file should be named using the following naming convention:

`its30605_asgn1_<student_id>.zip`

For example, a student with ID 0321343 will name their zip file as:

`its30605_asgn1_0321343.zip`

Points Breakdown and Assessment Contribution

Each essay will be graded based on the following criteria:

Criteria/Functional Requirement	Awarded Points
Landing Page – HTML	10
Landing Page – CSS	5
Book Ordering System – HTML	10
Book Ordering System – CSS	10
<i>Book Ordering System – Extra Credit</i>	5
Student Details Form – HTML	10
Student Details Form – CSS	5
Student Details Form (Submitted) – HTML	5
Student Details Form (Submitted) – CSS	5
Proper Script Formatting <ul style="list-style-type: none">- HTML Document Structure (includes proper location of document items, attribute values, and indentation)- HTML Content (no deprecated elements/tags)- Proper CSS Usage	$\begin{aligned} & 10 + 5 + 5 \\ & = 20 \end{aligned}$
CAPPED TOTAL	80

Total points will be scaled to 20% for assessment contribution.

Submission Deadline

Week 5 (October 1, 2022), 12:00 midnight (+1 hour tolerance)

- Marks are deducted by 2% for each calendar day from the given deadline. Any submission at a date exceeding **FIVE (5)** days from the stipulated deadline will be given no regard of any form, thus no marks will be given (refer to **Non-Submission of Assignment** in the MI).
- Barring extenuating circumstances, no marks are awarded for submission of any kind after the 7th calendar day from the given deadline. Late submissions in the form of hard copies will not be accepted.

As according to set requirements set by Taylor's College, assignment feedback and/or score sheet will be returned within **FOURTEEN (14)** days, i.e., October 15, 2022.

Plagiarism

HTML and CSS scripts should not resemble stark resemblance to another person's assignment report. As you are assessed on the decisions you make on crafting and styling a website, you are strongly advised not to share the same styling of webpages with each other.

Total points are capped at half of the given maximum immediately for both parties involved in a plagiarism act, separate from any mark deduction due to tardiness.