ITMD 465/565

Lab 1 – Simple HTML & CSS UI

Introduction

This first lab will have you write a very simple HTML and CSS UI for a sales tax calculator web application. **No JavaScript interactions** will be included at this time, you are just building a UI. We will add JavaScript to make it work in another lab.

Requirements

- Use the included wireframe mockup as a guide to what components should be in the app UI and a general layout.
- You need to include everything in the mockup but you may lay it out differently if you like. Just make sure it is clear to understand how it would work.
- UI must include a page header with the content in the mockup. You may style it in any way you choose.
- UI needs a form with 4 text inputs and the appropriate labels and text instructions. There needs to be two buttons, use html button elements. You do not need to use a form tag if you do not want to because this will not be submitted to a server. Eventually we will add JavaScript to process the form. Again, you may style and layout the form anyway you choose.
- The **sales tax** and **total input** boxes **should be disabled** so a user cannot type in any values. Style them differently to show this too. Lookup disabled attribute.
- Make sure the form has some CSS styling, so it stands out and doesn't just blend into the background. Borders, background colors, or anything like that. You are free to style it how you want.
- Add any image of your choosing to the UI below the form. Make sure the image is an appropriate looking size.
- Add the text at the bottom as shown in the mockup.
- Make sure the HTML document uses the HTML5 page skeleton we talked about in class.
- Add your CSS as an **external file**.
- You may use a CSS framework if you like. If you do please try to link to a CDN version.
- When linking CSS and images use relative paths so this will still work anywhere, we unzip it.
- 465 students just need to make it work and look nice on desktop. 565 students need to make sure it still is usable on smaller screen sizes like mobile. Resize your browser window or use the develop tools in mobile mode to test.
- Your file should be named **YourIITUsername_lab1.html**

Graduate Additional Requirements

If you are involved in **any section of 565** you need to complete the additional requirements listed here.

Make sure the user interface works well at mobile phone sized screens. You can do this with responsive CSS or with a creative way of laying out the UI so it works well on both desktop and mobile. Use browser dev tools to test on mobile.

README File
Not Required for this Lab

Due Date / Late Policy
This assignment is due **Sunday September 19, 2021 11:59 PM Chicago Time**. **No Extensions or Exceptions. Late policy in syllabus applies.**

Submission Guidelines
You must upload your submission, to the blackboard assignment by the due date. The submission must be in the following format and structure. If you do not submit your assignment exactly as specified, you will receive an immediate 10% deduction.

Submission Format Specification:
YourIITUsername_lab1.zip
Zip your .html file and any other assets before submitting to blackboard. Blackboard will not allow you to upload certain file types. Your zip should be named YourIITUsername_lab1.zip and the file inside it should be named YourIITUsername_lab1.html and any other assets needed. All files needed to open the assignment should be included in the zip and referenced using relative paths.

Mockup

https://

ITMD-4/565 Lab 1 - Your Name - Your IIT Email Address

Sales Tax Calculator

Enter Subtotal and Tax Rate and click the Calculate button to show the sales tax amount and the total. Click the clear button to clear out all form fields. Tax rate should be a percentage but do not enter a % sign in the tax rate box.
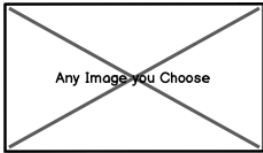
Subtotal:

Tax Rate:

Sales Tax:

Total:

[Calculate Tax and Total] [Clear]

Any Image you Choose