

### Lab Activity 3: Adding CSS to your Christmas Store Website

For this lab session you will continue adding advanced CSS elements including Tailwind framework. You are given instructions below to edit the html pages and css to make changes to the format/layout, add some content and to upload the file to Canvas.

**Part 0:** We will continue from our last lab. Create a copy of your last lab you submitted and save the folder named Christmas\_Store\_lab3\_yourLastName.

1. You should periodically verify there are no errors as you complete the rest of the lab assignment while working on the following tasks.
  - a. [https://validator.w3.org/#validate\\_by\\_input](https://validator.w3.org/#validate_by_input)
  - b. <https://jigsaw.w3.org/css-validator/>
2. Launch VS Code on your machine and open your files.
3. When you modify the files, make sure you reload it in your browser to see your changes.

**Part 1:** Modify your project with basic CSS. Complete the following modifications without errors to receive credit.

#### 1. Instruction for adding CSS to html:

- Make a file named style.css in the same folder
- Write <link rel =“stylesheet” href=“myStyle.css” type=“text/css”> in the head of html pages
- This way of linking CSS file is called externally linking CSS

#### 2. Now setup a Common theme across the pages

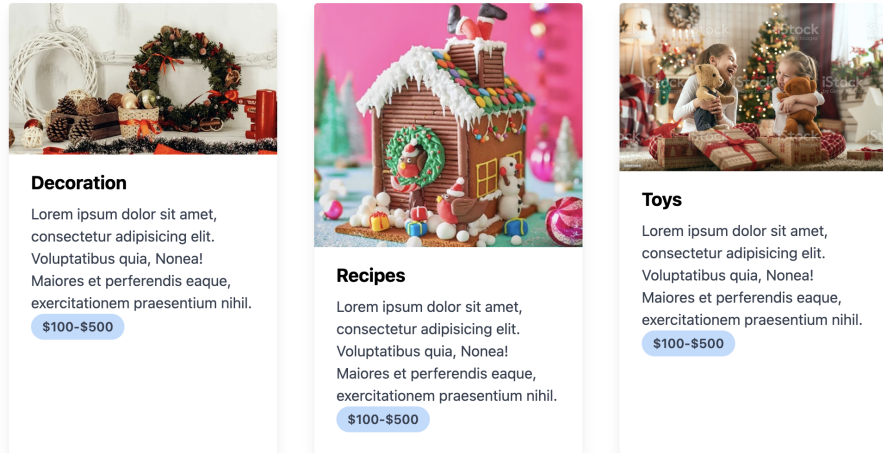
- a. Maintain a box model for all the pages
  - i. For example, the example shown in the class lecture today
- b. Tasks for all the pages- keep the same nav, banner, img and footer elements for every html page to maintain a consistency for every page
- c. Nav element design:
  - i. All the list items mean ‘the links of the navbar will be’ on the same horizon of the page
  - ii. display:flex is applicable to the parent element means the ul of li items
  - iii. margin and padding should be applicable for the list item to have good presentation.
  - iv. Apply inline nav
    1. Use hover, visited, active css for the navigations
  - v. Add margin and padding for each of the nav element
- d. Footer design:
  - i. Center the footer using text-center class from Tailwind
  - ii. Keep the footer element in every html page to keep consistency
- e. Banner:
  - i. Adjust image width, height to improve its presentation
  - ii. Keep the same banner in every html page to maintain consistency

#### 3. Tasks for individual pages

- a. index.html

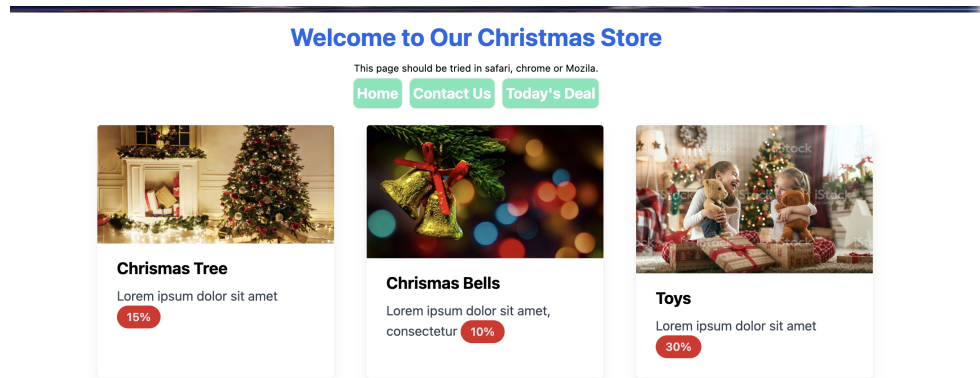
- i. Create a card for every Christmas product and place all the products like below using display: grid in parent element grid-column-template: 1fr 1fr 1fr to create 3 columns of same sizes as picture below

#### Product Categories



- ii. navbar, banner will be on the top and footer will be on the bottom
  - iii. fix the position of the banner to top
  - iv. fix the position of the navbar to relative
  - v. fix the position of the footer to bottom
  - vi. make the main image at center
- b. contact.html
- i. Add a background image on the form using “z-index”. Use a lighter color image
  - ii. Add a different font families for the contact.html page
  - iii. Use the ::first-letter psedu element for each label of the form
  - iv. Style the form previously created
    - a. change the color of the input fields while it’s focused  
see the example below
 

```
input[type=text]:focus {
    background-color: lightblue;}
```
  - iii. navbar, banner will be on the top and footer will be on the botto
- c. deals.html
- i. Add a background color to the alternating rows of the table
  - ii. Add a darker background color and a lighter font color to the table header
  - iii. Make the table header’s font bold
  - iv. Add border to each row and column
  - v. Make card for each deal and create a span element to write the discount like below



- vi. Use display:grid and grid-template-columns in the parent element like index.html
- vii. Each card will be transformed to 1.25x from its original size if user hover on it
- viii. Add another form of animation

Part 2: Modify your project with using Tailwind CSS

### 1. Setup Tailwind CSS framework:

- Tailwind is a framework which ease usage of styling the CSS and requires less code. To setup Tailwind in the html pages, you should write the CDN in the head of the html pages
  - `<script src="https://cdn.tailwindcss.com"></script>`
- The key to use Tailwind CSS is to follow their website: Tailwind Documentation
- **Setup through CDN**
  - <https://tailwindcss.com/docs/installation/play-cdn>
  - CDN: A content delivery network (CDN) refers to a geographically distributed group of servers which work together to provide fast delivery of Internet content. A CDN allows for the quick transfer of assets needed for loading Internet content including HTML pages, JavaScript files, stylesheets, images, and videos. The popularity of CDN services continues to grow, and today the majority of web traffic is served through CDNs, including traffic from major sites like Facebook, Netflix, and Amazon. [https://www.cloudflare.com/learning/cdn/what-is-a-cdn/]
- **Setup through NPM**
  - <https://tailwindcss.com/docs/installation>

### 2. Use Tailwind CSS for styling

- Use classes of Tailwind CSS for styling
- Just write class for each element and write their class name according to your requirement by following the official website of tailwind CSS
- For example, if you want to change the background color to blue a paragraph then write `<p class='bg-blue-200'>This is paragraph</p>`
- Tailwind CSS has classes for every changes you can do with CSS, just follow the Tailwind CSS official website

We will continue with Tailwind in our next lecture

#### Part 4: Turn in your activity

1. Log in to Canvas.
2. Generate a zipped file of the folder
3. Go to Lab2.1. Upload the zipped file to the submission page.