Your Full Name:
Your Partner's Full name:

Lab Activity 4.1: Tailwind, SASS, Basic JavaScript and Website Evaluation

For this lab session you will continue adding advanced CSS elements including Tailwind framework, with CSS preprocessor and with basic JavaScript.

Part 0: We will continue from lab 3.1. Keep the folder named Christmas_Store_lab4_yourLastName.

1. Form a group of two people
2. Write your partner's full name
3. Submission will be individual. Write your partner's full name in the canvas comment box too.
4. 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
   b. https://jigsaw.w3.org/css-validator/
5. Launch VS Code on your machine and open your files.
6. When you modify the files, make sure you reload it in your browser to see your changes.

Part 1: Evaluating Website using Web Design Guidelines

In this part of the assignment, you are going to evaluate two websites using the resource for web design guidelines that we discussed today. For each of the websites, you need to fill out a table. The left most column of the table has the criteria for evaluating the websites. You need to fill out the other three columns as per the column headings. Please discuss with your partners and submit the same evaluation.

URL of the first website you are evaluating: https://blinkee.com

Criteria	Explain your observation/s on how the given website meets/does not meets the criterion?	Rate with a scale of 1 through 5 (1- needs major improvement, 2- needs some improvement, 3- fine/can be improved, 4- good/ can be polished, 5- very good)	Specific suggestion/s for improvements or meeting the criterion
Effective home page including, clear purpose and name of the website			

Your Full Name:
Your Partner's Full name:

Adequate whitespace in each page			
Page length and width			
Images of the webpages			
Color contrast and color style consistent across the webpages			
Follow web writing guidelines including consistency of text formatting across pages			
Navigation system including functionality of the links and their locations			
Relevance of the information, and Organization/layout of each page			
Alignment and proximity of items			
User engagement			
Usability			
Works on different browsers like Google Chrome, Mozilla, Safari			
Anything you want to add _____			

Your Full Name:
Your Partner's Full name:

URL of the second website you are evaluating: www.apple.com

Criteria	Explain your observation/s on how the given website meets/does not meets the criterion?	Rate with a scale of 1 through 5 (1- needs major improvement, 2- needs some improvement, 3- fine/can be improved, 4- good/ can be polished, 5- very good)	Specific suggestion/s for improvements or meeting the criterion
Effective home page including, clear purpose and name of the website			
Adequate whitespace in each page			
Page length and width			
Images of the webpages			
Color contrast and color style consistent across the webpages			
Follow web writing guidelines including consistency of text formatting across pages			
Navigation system including			

functionality of the links and their locations			
Relevance of the information, and Organization/layout of each page			
Alignment and proximity of items			
User engagement			
Usability			
Works on different browsers like Google Chrome, Mozilla, Safari			
Anything you want to add _____			

Part 2: Modify lab 3.1 with Tailwind. Redo the following tasks using Tailwind framework without errors to receive credit.

1. **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

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
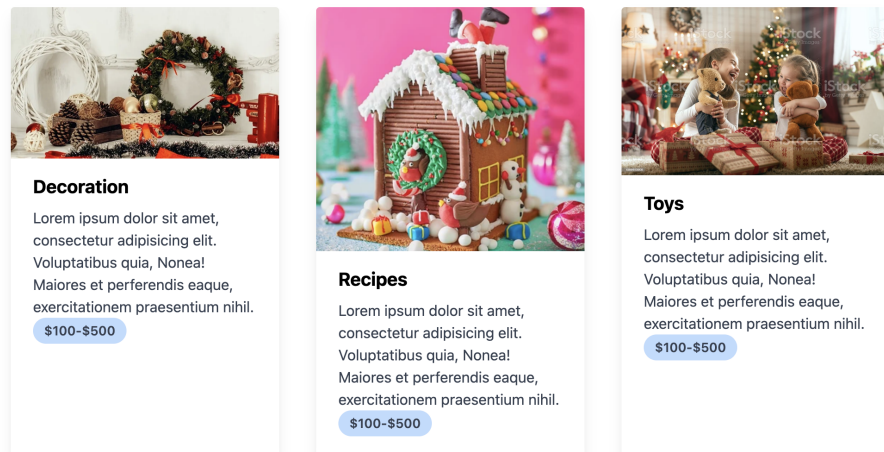   ii. display:flex is applicable to the parent element means the ul of li items

   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
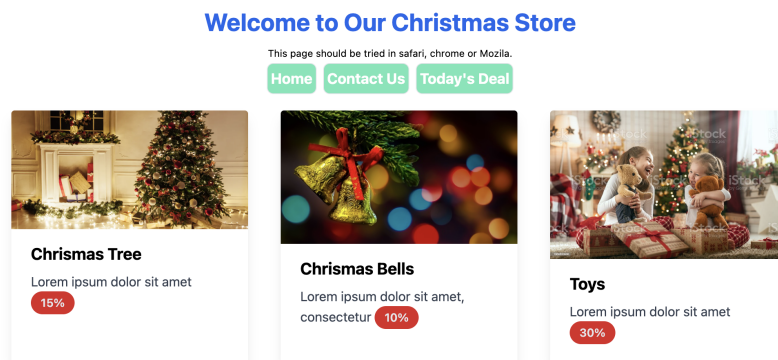
Product Categories

Decoration

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatibus quia, Nonea! Maiores et perferendis eaque, exercitationem praesentium nihil.

$100-$500

Recipes

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatibus quia, Nonea! Maiores et perferendis eaque, exercitationem praesentium nihil.

$100-$500

Toys

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatibus quia, Nonea! Maiores et perferendis eaque, exercitationem praesentium nihil.

$100-$500

   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 3: Use SASS preprocessor

- Install SASS following the instructions here
  - https://sass-lang.com/install
- Follow the instructions here
  - https://www.geeksforgeeks.org/css-preprocessor-sass/
- Show 3 example usage for the following commands-
  - @mixin and @include
  - SASS nesting
  - @import and @extend rules

Part 4: Basic JavaScript
- Show an alert after successful form submission for the contact.html page
  - Use .getElementById to capture the button from DOM
  - Use Tailwind styling to style the alert box

Part 5: Turn in your activity

There will be two file submissions

  a. Each partner needs to submit this word file with your discussion on the website design

  b. Generate a zipped file of the solution folder