



Web Development Phase 2

Lab 9: CSS Styling Voyage: The "Travel Blog Adventure" Website

1. Download the lab starter file **lab09-starter.zip** from D2L. The file contains image files and a starter **html** file needed to complete the lab exercise.
2. While working on the lab, make sure to:
 - Add author comments to your code, the minimum is to have comments recording your name, lab number, and date.
 - Indent your code so that it's easy to read and debug.
 - Test frequently to eliminate bugs.
3. Before you start, create the proper folder structure to organize your files. Place CSS files in a folder named **css**, images in a folder named **images**, and html files in a folder named **html**. This may break the HTML code needed to display images and links, you must fix it.

Part 1 (Page Layout)

You must use CSS **float**, **clear**, and adjust the **width** of elements to change the layout of the web page as this is the learning objective of this lab. If you are familiar with **grid** or **flex**, you cannot use them in this lab.

In this part, do not add aesthetics styles such as fonts, colors, background colors, paddings, etc., you will do this in part 2 later. For now, just focus on changing the layout.

1. Examine the file **index.html** in VS Code and Chrome.
2. Link the file **reset.css** to the html file to override (cancel) some of the styles applied by the browser by default as they usually cause problems.

Open the file **reset.css** and carefully examine it. In particular, pay attention to the rules that change the **box-sizing** of your elements to **border-box**, and reset all **margins** and **paddings** to **zero**. Otherwise, you may have many bugs that are hard to find and fix

At this point, you may notice some changes in the web page especially with margins, paddings, etc.

3. Link the external style sheet named **layout.css** to your web page and open the file in Sublime. Add your style rules in this file to change the layout of the elements in the web page as shown in the figure below. Use the following to guide and remind you:
 - a. Apply styles to have a **mixed layout**. Your page must have a fluid layout within a range between an upper (1200px is preferred) and a lower limit (800px is preferred), beyond these limits, the layout becomes fixed
 - b. The **header** and the vertical **nav** must be aligned side by side with 3:1 width ratio i.e., the header width must be three times the width of the nav
 - c. Links in the horizontal **nav** must be aligned beside each other and taking the same width each
 - d. The four **sections** must be aligned horizontally beside each other with proper equal widths
 - e. The two **divisions** must be aligned horizontally beside each other with proper equal widths



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4. Add proper *padding* around elements, try to match the design in the figure as closely as possible.



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Part 2

While you are working on this part, you may find that when colors are changed, things don't look as you expected before and you may need to make some adjustments to the rules you applied in part 1. This is totally OK, but avoid changing the HTML code unless necessary. You should also avoid adding redundant styles or styles that are cancelled by other styles.

1. Link the external style sheet named **styles.css** to your web page and open the file in VS Code. Add your style rules in this file to enhance the look and feel of your web page. Use the following to guide and remind you:
 - a. Apply styles to change the font face
 - b. Change the background colors, try to match the colors in the figure as much as possible
 - c. Some elements need their text to be centered
 - d. Some elements need to have their color changed

Submission

1. When you finish, show your work to your instructor.
2. Zip your files and submit the zipped file to Google Classroom.
3. You may upload your unzipped file on Github to build your portfolio.