

LAB INTRODUCTION

In this Lab you will apply all the techniques you have learned in class so far and build your first “brochure” website using only HTML and CSS. This will be a single web page that can be rendered in the browser directly (by just simply opening the file in a browser) or by placing the contents of the file in your apache2 web servers documentroot folder and loading the page on localhost.

Submission Process

Prior to the deadline upload your file **lab1.html** and **lab1.css** to canvas. Do not submit any other documents!

Late submissions will be penalized by 5% per day (or part thereof), up to 20 days. After 20 days, the assignment will be given a 0%.

Background:

For this Lab you will be creating two files that you will be submitting. This lab is designed to further solidify how the internet of old functioned, looked and felt like. It was a very different time in the 90's lots of new ideas of how the web should function/poses. I suggest you check out this site to get a better understanding of some of the breakthroughs and the general feel of what it was like to be online. I believe this site has not been updated since the 90's so enjoy the old school vibe.

<https://nostalgiacafe.proboards.com/board/10/1990s>

STAGE 0: Requirements

To complete this project you will write and **submit 2 files**: one HTML document and one CSS document.

Create a file called lab1.html which contains the HTML of a blog page. Create another file lab1.css which is linked from lab1.html, and which contains all the style formatting of the document. **These files must match the specification given below.**

These files will be created as an ASCII file (i.e. a plain text document with a .html extension). You may create them with any editor (notepad/wordpad/MS Word) but you must ensure that they are text files. In other words, they should not contain anything except ASCII characters (including HTML tags/CSS rules and content).

YOU MAY USE A WYSIWYG EDITOR! This editor can be used to generate your HTML document. **All style must be applied in the file lab1.css**, which must be coded “**by hand**” without the use of any automated CSS code-generation tool.

The purpose of this lab is to create a blog page for one of your interests. These interests may be fictional, if you wish. Be as creative as you wish, although points are not awarded for this. The page will contain some placeholder blog entries (i.e. all static content).

Each blog entry is dated and has a title (heading) and one or more paragraphs of body text. For the date, use a <time> tag.

Each blog entry also has an associated image. (Link to images available on the web, so that you need not include any image files with your lab submission. Remember...you are only submitting 2 files!)

? The page also contains a box of links to your Friends in a separate column to the left of the blog entries. (Your friends may also be fictional if you wish. In this example, mine are.)

The pages is labeled with a title and subtitle. In the example pages given: the title is "Adam's Metal Journal" and the subtitle is "A Playlist For Every Occasion" and "Ilia's Movie Page" and the subtitle is "A Favorite Movie for Every Genre"

Adam's Metal Journal


A Playlist For Every Occasion

Friends

- James Hetfield
- Steve Ripper Harris
- William Shatner
- King Diamond


02/14/15: Valentine's Day

On this most romantic of holidays, I spent 30 minutes on the phone with Casa Di Romanticismo. While their reservation department sorted things out, I was left with a Best of 80s muzak station. I muted the call and put on my own Valentine's soundtrack: Dio's "Holy Diver"



02/02/15: Paying Bills Brings the Rage

On this most brutal of days, a collection of classic extreme metal, including...Obituary's "Cause of Death," Death's "Scream Bloody Gore" and Slayer's "Reign in Blood."
Ah...serenity at last!



Ilia's Movie Page

A Favorite Movie for Every Genre

Friends

- Harrison Ford
- Mark Hamill
- Steven Spielberg
- George Lucas
- James Cameron

2/16/22: Adventure

An adventure like never before. Indiana Jones quickly becomes our favorite professor and our favorite archaeologist at the same time. Watch the beginning of what becomes a must see adventure trilogy.



2/02/22: Sci-Fi

A Sci-Fi classic and standard all at the same time. A grand adventure that spawned 3 different sagas accross 3 different lives. All started from this gloriou film.



Note: all images are property of their respective copyright holders.

STAGE 1: Specifications

Match the colors and layout of this example as best you can. The emphasis is on layout, so using the colors black, lightblue, lightgreen, purple, and blue is acceptable. Note that the **background color of the entire page is blue.**

Abide by the following style specifications for the page:

- There should be divs around every boxed element, allowing you to style the entire enclosing virtual box. This includes the page title box, the friends box, each blog entry, and the white box surrounding this content. These divs should be given appropriate classes to match the corresponding styles.
- The <time> tag for the blog date should be enclosed within its own span which can be individually styled.
- The title is a <h1> and the subtitle is a <h2> in the lightblue title box. These headings should be aligned to the right of that section of the page. The subtitle should have 0.8em font.
- The text of each blog entry should be widened so that it fills the entire width of its section (i.e. "fully justified").
- The title of each blog entry is an <h2>.

- The images should float on the right side of a blog entry next to the surrounding text. They must stay within the bounds of the enclosing box, and not bleed into other content.
- The white containing box should have a solid, black, 4-px thick border.
- The blog boxes should have have a solid, black, 2-px thick border.
- The title box should have a solid, black, 1-px thick border.
- The friends box should have a <h1> for "Friends" and a with hyperlink list items to each friend. The hyperlinks should be underlined and change color to red when moused-over (using the hover pseudoclass).
- The friends box is a left-aligned independent div. The friends box should have a solid, black, 4-px thick border.
- Set all padding/margins to best match the example above.
- **Use the universal selector (*) so that if you hover over ANY element, it is highlighted yellow. (This is a bit trickier than it may seem...you will need to exclude certain elements from this behavior, like the html and body tag for instance.)**
 - **BE SURE TO USE THE UNIVERSAL SELECTOR! OTHER METHODS WILL LOSE CREDIT.**

STAGE 2: Testing

You may test your site by just opening the html file with a browser, make sure that the accompanying css file is properly linked and present (i.e. in the same directory), otherwise you will just be rendering the html file contents without any css styling.

Alternatively, you may test the site using the virtual machine and web server you set up in lab 0. This could provide to be useful as this is how I will be testing your labs. To do so place both files in the apache2 documentroot directory located here: /var/www/html

THIS SECTION IS UNFINISHED, PLEASE VISIT BACK HERE LATER.

Grade Breakdown:

10%: Submission instructions followed to the letter (1 html and 1 css file submitted, named as stated above, with no contents except plain-text HTML and CSS respectively)

10%: CSS has proper formatting and comments where appropriate

20%: Web page renders properly in Mozilla Firefox as well as Google Chrome

30%: Web page contains all required content, visually organized and styled according to spec

30%: CSS rules and HTML tags abide by specifications given

Cheating: This project (like all projects in this class) is an individual project. You can discuss this project with other students. You can explain what needs to be done and give suggestions on how to do it. You

cannot share source code. If two projects are submitted which show significant similarity in source code then both students will receive an F in the course. Note a person who gives his code to another student also fails the class (you are facilitating the dishonest actions of another).