

Lab 2

50 Points

Layouts using HTML5 and CSS

Chapters 4, 6

Purpose

In our second scripting lab of the semester we will create two strict HTML5 pages that reflect the use of CSS and images to create a two-column jello layout that includes various elements.

As with all labs, this one demonstrates the separation of logical and contextual elements embodied in HTML5 with the presentational elements of CSS.

Scope

The necessary background knowledge for this lab encompasses **Chapter 4** and **Chapter 6**, as well as lecture slides and discussion topics in class.

Assignment

For this lab, you will create two HTML5 pages (a main and secondary) with one external CSS page to create a theme and layout of your choice. Your HTML5 pages must contain at a minimum:

- Two-column jello layout (each page)
- CSS background image positioned with CSS (each page)
- CSS border formatting (each page)
- One figure with a caption (at least one page)
- A favicon (each page)
- A banner with rounded corners and effects (each page)
- At least one floated image to the right (at least one page)
- At least one floated image to the left (at least one page)
- Navigation with a CSS-formatted unordered list (each page)
- Pseudo-classes for hyperlinks (each page)
- Other pseudo elements as appropriate (each page)
- Image gallery (at least one page)
- Header text with image (each page)
- Contact information and copyright within both page footers (each page)
- At least three specific HTML5 tags found in Chapter4 and Chapter6 (each page)

Lab Expectations

Content is not important for this lab.

What is important is implementing HTML5 to create an overall layout structure for both the primary and secondary page. In other words, making sure that you incorporate HTML5 standards, semantic markup, and valid code takes precedence over the actual content. **Make sure to use HTML5 specific tags.**

That being said, make sure your images are of a similar theme.

Theme and layout is important for this lab. Make sure to discuss theme choices in the CSS documentation.

Lab Parameters

- Place all files in a folder named: **Lab2class**
- **Lab2classIDPrimary.html** - The main page.
- **Lab2classIDSecondary.html** - The secondary page.
- **Lab2classID.css** - The external theme.
- **Various images**

Other Items

- Use Lorem Ipsum (<http://www.lipsum.com/>), Bacon Ipsum (<http://baconipsum.com/>), or some other Ipsum Generator (<http://mashable.com/2013/07/11/lorem-ipsum/>) for your content.
- Make sure to demonstrate your command of HTML5 tags in this lab.
- Make sure to demonstrate your breadth of CSS skills (from what we have covered) in this lab.
- Place all your files in a folder named **<Lab2classID>**.

Documentation Parameters

Refer to the Documentation Guide at for guidance on comments and lab preparation. In addition:

- Document the tags in all files.
- Within the external CSS file, make sure to discuss the theme and design choices.
- Within the HTML5, make sure to discuss the contextual and logical choices.

Deliverables

This lab (all files in a single **<Lab2classID>** folder) should be turned in as a .zip file named with your classID and Lab number. For example, if your classID was **bjones4242** (Bubba Jones), the file would be:

Lab2bjones4242.zip

Refer to the **Documentation Guide** at for guidance on comments and lab preparation.

**When you are finished, make sure to upload
AND
submit your lab in eLearning.**