

CIS 4004: Web-Based Information Technology Spring 2015

Homework Assignment #2 (100 pts)
Due Sunday February 15, 2015

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HEC 236, 407-823-2790
Office Hours: M&W 1:00-3:00pm, T&Th 10:20am-12:30pm

Department of Electrical Engineering and Computer Science
Computer Science Division
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Homework Assignment #1

- This assignment has two main objectives:
 - (1) To give you some practice writing valid semantically correct HTML5 markup that contains nested lists and uses both external and embedded CSS to style the content.
 - (2) To practice applying CSS properties to style page layouts. We'll focus on relative positioning and floating in this assignment. You will **not** use any absolutely positioned elements in this assignment.



HTML For Assignment #1

- I want you to create a weekly calendar of the main things that you will need to do next week. The calendar will be in the form of nested lists. Shown on the next page is a markup-only version of the page I constructed for me. Note that the nesting goes to three levels.
- You must have at least one AM and one PM event for every day of the week.
- Hint: Get your markup to look like the following page before you worry about the styles.



My Week - Mark Llewellyn

Monday - February 2nd

- AM
 - 10:30-11:20 - Undergraduate Committee Meeting
- PM
 - 12:00-1:00 - Lunch with Heidi
 - 1:00-3:00 - Office Hours
 - 3:30-4:20 - CNT 4603

Tuesday - February 3rd

- AM
 - 9:00-10:15 - CNT 4714
 - 10:30-12:30pm - Office Hours
- PM
 - 1:30-2:45 - CIS 4004
 - 3:30-4:30 - IT CORC Meeting

Wednesday - February 4th

- AM
 - 10:30-11:30 - ABET - UPAC Meeting
- PM
 - 1:00-3:00 - Office Hours
 - 3:30-4:20 - CNT 4603

Thursday - February 5th

- AM
 - 9:00-10:15 - CNT 4714
 - 10:30-12:30pm - Office Hours
- PM
 - 1:30-2:45 - CIS 4004
 - 3:00-5:00 - Research Group Meeting

- PM
 - 10:30-12:30pm - Office Hours
 - 1:30-2:45 - CIS 4004
 - 3:00-5:00 - Research Group Meeting

Friday - February 6th

- AM
 - 9:00-noon - Prepare Notes
- PM
 - 12:30-1:30 - Lunch with Krisit
 - Pack and leave for race
 - MAKE SURE CIS 4004 Assignment IS DONE
 - 7:00pm - Leave for race

Saturday - February 7th

- AM
 - 7:00 - Drive to race course
 - 8:30 - Warmup for race
 - 9:30 - Race
- PM
 - Head for home

Sunday - February 8th

- AM
 - Sleep in
 - Sleep in some more
- PM
 - Get bikes ready for next weekend
 - Make sure notes are ready for tomorrow's classes

Note that this is two screen shots of a page that is all in 1 "column"



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HTML For Assignment #1

- Note that all of the lists are unordered lists and that each day is broken into two sublists for AM and PM events.
- Use semantically correct markup as we've discussed in class.
- Include at least three ARIA Landmark roles in your markup.
- Change the document to your name and your events!
- Notice the icons for the W3 validators for HTML and CSS that are included at the bottom of the markup in the footer area (see page 7).



CSS For Assignment #1

- For this assignment you will use both an external stylesheet as well as an embedded (internal) stylesheet.
- **Do not use any inline styles for this assignment.**
- The final page should be styled to look like the one shown on the next page.
- Notice that the calendar has been split into three “columns” this was done using CSS and the float property (as discussed in class – see lecture notes). The validator icons are also relatively positioned side by side in the footer area.
- Notice that the outermost list no longer contains the “bullets” that appeared in the markup-only version.
- The final page must include the valid icons as provided by W3C once your HTML5 and CSS pages successfully validate.



Opera

http://loc x http://loc x http://loc x GlassFish x Welcome x CIS 4004 x CIS 4004 x CIS 4004 x +

file:///F:/CIS%204004%20-%20Spring%202015/Projects/Project%20Two%20-%20Spring%202015/assignment2 Search

My Week - Mark Llewellyn

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CSS Restrictions

1. The external style sheet should be used only to specify the styles for the “boxes” and the “columns”. That is to say, the structural presentation properties.
2. The embedded stylesheet should be used for all other styling. That is to say, the fonts, fonts sizes, and colors.
3. My Week - Your Name is a single (one element) level 2 header and the two parts must be of different colors. Note the centering both horizontally and vertically of the text in the banner.
4. You can style the AM and PM indicators to be any color you like so long as they are different.
5. The background color can be of your choice, but be sure you have good contrast with all other colors you choose.
6. The boxes around each day must have a contrasting color border with any color background that you like. I used an arial 14 point font for this text. Note the centering of the text in these boxes. Note that these boxes are uniform in size.
7. You must include both the HTML5 and CSS valid icons in the footer area of the page as shown. The HTML5 icon is available on WebCourses and the CSS icon you'll get when your stylesheets validate.



CSS Restrictions

8. I put 2 pixels of margin and padding in the boxes for each day of the week, you can vary this as you see fit.
9. I set the width for all “columns” to be 375 pixels, but you may need to vary this a bit depending on the width and resolution of your screen. We won’t worry yet about liquid versus fixed layouts, so pick a width that looks good on your system and I’ll adjust the windows on my system to make it look good when I view your markup.
10. You must use semantically correct HTML5 markup. This means that you are using `<article>`, `<section>`, `<header>`, etc. elements properly.
11. You must include at least three semantically correct ARIA Landmark roles in the final markup.



When And What To Turn In

- The deliverables for this assignment are:
 1. A semantically correct HTML5 markup document with an internal stylesheet (35 pts).
 2. The CSS external stylesheet (30 pts).
 3. A document containing screen captures for both HTML5 validation that shows only the one warning as shown on the next page and CSS validation (both passing!). Make sure that the name of the validated file appears in the screen shot. (20 pts)
 4. A screen shot of your final rendered document. (15 pts)
- The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm (WebCourses time) on Sunday February 15, 2015.





Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Jump To: [Notes and Potential Issues](#) [Congratulations · Icons](#)

This document was successfully checked as HTML5!

Result: Passed, 1 warning(s)

File :

Browse...

Use the file selection box above if you wish to re-validate the uploaded file assignment2-html5.html

Encoding : utf-8

(detect automatically) ▼

Doctype : HTML5

(detect automatically) ▼

Root Element: html



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Flattr

Options





The W3C CSS Validation Service

W3C CSS Validator results for assignment2CSS.css (CSS level 3)

Jump to: [Validated CSS](#)

W3C CSS Validator results for assignment2CSS.css (CSS level 3)

Congratulations! No Error Found.

This document validates as [CSS level 3](#) !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>
```



```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">
  
</a>
</p>
```

Here's where you
get the CSS valid
icon

