In-Class Activity #3 – HTML Mark-up and Structuring

Instructions

In this assignment, you'll be asked to mark-up a letter in HTML, and structure a different page using HTML.

You'll be making two HTML files for this assignment. These should be called ica3a.html and ica3b.html, and go in your ica folder. The CSS provided for each should go in you css folder, and follow a similar naming convention (ica3a.css and ica3b.css).

Please submit the direct links to the two pages, as they appear on your site. Be sure to update your README with links to both pages as well.

Part 1 – Mark up a letter

Start by downloading the raw text you'll be marking up, and the CSS to style your HTML:

- [raw text you need to mark up](#)
- [CSS to style the HTML](#)

For this project, your task is to mark up a letter that needs to be hosted on a university intranet. The letter is a response from a research fellow to a prospective PhD student concerning their application to the university.

[Block/structural semantics](#)

- Use appropriate document structure including doctype, and [<html>](#), [<head>](#) and [<body>](#)elements.
- In general, the letter should be marked up as an organization of headings and paragraphs, with the following exception. There is one top level heading (the "Re:" line) and three second level headings.
- Use an appropriate list type to mark up the semester start dates, study subjects, and exotic dances.
- Put the two addresses inside [<address>](#) elements. Each line of the address should sit on a new line, but not be in a new paragraph.

[Inline semantics](#)

- The names of the sender and receiver (and Tel and Email) should be marked up with strong importance.
- The four dates in the document should have appropriate elements containing machine-readable dates.
- The first address and first date in the letter should have a class attribute value of sender-column. The CSS you'll add later will cause these to be right aligned, as it should be in the case in a classic letter layout.
- Mark up the following five acronyms/abbreviations in the main text of the letter — "PhD," "HTML," "CSS," "BC," and "Esq." — to provide expansions of each one.
- The six sub/superscripts should be marked up appropriately — in the chemical formulae, and the numbers 103 and 104 (they should be 10 to the power of 3 and 4, respectively).
- Try to mark up at least two appropriate words in the text with strong importance/emphasis.
- There are two places where the letter should have a hyperlink. Add appropriate links with titles. For the location that the links point to, you may use http://example.com as the URL.
- Mark up the university motto quote and citation with appropriate elements.

[The head of the document](#)

- The character set of the document should be set as utf-8 using the appropriate meta tag.
- The author of the letter should be specified in an appropriate meta tag.

- The provided CSS should be included inside an appropriate tag.

Here is what your letter might look like when you are done.

Dr. Eleanor Gaye
Awesome Science faculty
University of Awesome
Bobtown, CA 99999,
USA
Tel: *123-456-7890*
Email: *no_reply@example.com*

20 January 2016

Miss Eileen Dover
4321 Cliff Top Edge
Dover, CT9 XXX
UK

Re: Eileen Dover university application

Dear Eileen,

Thank you for your recent application to join us at the University of Awesome's science faculty to study as part of your PhD next year. I will answer your questions one by one, in the following sections.

Starting dates

We are happy to accommodate you starting your study with us at any time, however it would suit us better if you could start at the beginning of a semester; the start dates for each one are as follows:

- First semester: 9 September 2016
- Second semester: 15 January 2017
- Third semester: 2 May 2017

Please let me know if this is ok, and if so which start date you would prefer.

You can find more information about [important university dates](#) on our website.

Subjects of study

At the Awesome Science Faculty, we have a pretty open-minded research facility — as long as the subjects fall somewhere in the realm of science and technology. You seem like an intelligent, dedicated researcher, and just the kind of person we'd like to have on our team. Saying that, of the ideas you submitted we were most intrigued by are as follows, in order of priority:

1. Turning H_2O into wine, and the health benefits of Resveratrol ($C_{14}H_{12}O_3$.)
2. Measuring the effect on performance of funk bassplayers at temperatures exceeding 30°C (86°F), when the audience size exponentially increases (effect of 3×10^3 increasing to 3×10^4.)
3. HTML and CSS constructs for representing musical scores.

So please can you provide more information on each of these subjects, including how long you'd expect the research to take, required staff and other resources, and anything else you think we'd need to know? Thanks.

Exotic dance moves

Yes, you are right! As part of my post-doctorate work, I *did* study exotic tribal dances. To answer your question, my favourite dances are as follows, with definitions:

Polynesian chicken dance
> A little known but *very* influential dance dating back as far as 300BC, a whole village would dance around in a circle like chickens, to encourage their livestock to be "fruitful".

Icelandic brownian shuffle
> Before the Icelanders developed fire as a means of getting warm, they used to practice this dance, which involved huddling close together in a circle on the floor, and shuffling their bodies around in imperceptibly tiny, very rapid movements. One of my fellow students used to say that he thought this dance inspired modern styles such as Twerking.

Arctic robot dance
> An interesting example of historic misinformation, English explorers in the 1960s believed to have discovered a new dance style characterised by "robotic", stilted movements, being practiced by inhabitants of Northern Alaska and Canada. Later on however it was discovered that they were just moving like this because they were really cold.

For more of my research, see my [exotic dance research page](#).

Yours sincerely,

Dr Eleanor Gaye

University of Awesome motto: "Be awesome to each other." -- *The memoirs of Bill S Preston, Esq*

Part 2 – Structuring a page

Start by downloading the following .zip file. It contains the HTML file you'll add structural markup to, the CSS to style that markup, and images that are used on the page.

zip file containing all the starting assets

Unzip the file (if needed), and add the folder to your GitHub repo. Change the folder name to "ica3-part2".

For this project, your task is to take the content for the homepage of a bird watching website and add structural elements to it so it can have a page layout applied to it. It needs to have:

- A header spanning the full width of the site containing the main title for the page, the site logo, and the navigation menu. The title and logo appear side by side once styling is applied, and the navigation appears below those two items.
- A main content area containing two columns — a main block to contain the welcome text, and a sidebar to contain image thumbnails.
- A footer containing copyright information and credits.

You need to add a suitable wrapper for:

- The header
- The navigation menu
- The main content
- The welcome text
- The image sidebar
- The footer

You should also:

- Apply the provided CSS to the page by adding another <link> element just below the existing one provided at the start.

Here is what your homepage might look like when you are done.

BIRDWATCHING

WELCOME

Welcome to our fake birdwatching site. If this were a real site, it would be the ideal place to come to learn more about birdwatching, whether you are a beginner looking to learn how to get into birding, or an expert wanting to share ideas, tips, and photos with other like-minded people.

So don't waste time! Get what you need, then turn off that computer and get out into the great outdoors!

FAVOURITE PHOTOS

This fake website example is CC0 — any part of this code may be reused in any way you wish. Original example written by Chris Mills, 2016.

Dove icon by Lorc.