Hands-On #5

In this hands-on session, you will enhance the formatting of Town Hall home page that your formatted in the previous hands-on (Hands-on #3) session. When you are through the page should look like the own shown below:

1. Make a copy of the **TOWN_HALL_V2** folder and name it as **TOWN_HALL_V3**

   In this hands-on session you shall be working with the **TOWN_HALL_V3** folder

2. Using the text editor open the HTML and CSS files
   TOWN_HALL_V3\index.html
   TOWN_HALL_V3\styles\main.css

3. In the HTML file, add aside tags so that "Our 2011-2012 Speakers" heading and the headings and images that follow it are within the aside element, and not within the section element. Also delete the word "Our" from "Our 2011-2012 Speakers" heading

4. Add the heading and image for the fourth speaker

5. In the CSS file, enhance the rule set for the body so the width is 800 pixels. Next set the width of the section to 525 pixels and float it to right and set the width of the aside to 215 pixels and float it to right. Then use the clear property in the footer to clear the footing. Last delete the rule set for the "speakers" heading. Now, test the page. The columns should have started to take shape. If necessary make necessary changes and test the page again.

6. To make this look better, delete the rule set for "speakers" heading. Then set the left padding for aside to 20 pixels, and change the left and right padding for the section to 20 pixels. Now test the page again.

7. Add rule set for the h1 and h2 elements in aside. They should have same rules as h1 and h2 elements in section

8. Add a rule set to the image element in aside so that bottom padding is set to 1 em. Then test the changes made.

9. At this point the page should look good, but it won't include the Speakers of the month content. Now make some adjustments and test the page.

10.   Copy the content for the speaker of the month from the file name "content_05.txt" (If it is not there ask the trainer) right before the heading for "Our Ticket Packages"

11.   Enclose the Speaker of the Month heading in h1 tags, and enclose the rest of the content in article element

12.   Within the article element, enclose the first heading in h1 tags, enclose the second heading (the date and speaker's name) in h2 tags with the <br> tag to provide the line break. Enclose the rest in <p> tags

13.   Add an <a> element within the last paragraph that goes to the "Sampson.html" page in the "speakers" subfolder when the user clicks "Read more..." Also add a non-breaking space and <b> tags so that the rest of the lines look right

14.   Add an <img> element between h1 and h2 elements in article and display the image named 'sampson_dinosaur.jpg' from the images folder

15.   Add 2 pixel top and bottom borders to the article with #800000 as the color

16.   Float the image in the article to the right and set its top, bottom and left margins so there's adequate space around it. Then, add a 1 pixel, black border to the image so the white in the image doesn't fade into the background. Also delete the rule set to the images in the section to get rid of bottom padding. Now, test the page.

17.   Change the font color of the h1 element in the article to black

18.   Make any final adjustments to the margins or paddings. Validate the HTML and CSS files and test the page in your browser.

In this part of the hands-on you will add the page for one speaker. This page will be like the home page, but the speaker information will be in the second column as shown below.

San Joaquin Valley Town Hall
Celebrating our 75th Year

2011-2012 Speakers

October 19, 2011
Jeffrey Toobin

November 16, 2011
Andrew Ross Sorkin

January 18, 2012
Amy Chua

February 15, 2012
Scott Sampson

Return to Home page

Fossil Threads in the Web of Life

February 15, 2012
Scott Sampson

What's 75 million years old and brand spanking new? A teenage Utahceratops! Come to the Saroyan, armed with your best dinosaur roar, when Scott Sampson, Research Curator at the Utah Museum of Natural History, steps to the podium. Sampson's research has focused on the ecology and evolution of late Cretaceous dinosaurs and he has conducted fieldwork in a number of countries in Africa.

Scott Sampson is a Canadian-born paleontologist who received his Ph.D. in zoology from the University of Toronto. His doctoral work focused on two new species of ceratopsids, or horned dinosaurs, from the Late Cretaceous of Montana, as well as the growth and function of ceratopsid horns and frills.

Following graduation in 1993, Sampson spent a year working at the American Museum of Natural History in New York City, followed by five years as assistant professor of anatomy at the New York College of Osteopathic Medicine on Long Island. He arrived at the University of Utah accepting a dual position as assistant professor in the Department of Geology and Geophysics and curator of vertebrate paleontology at the Utah Museum of Natural History. His research interests largely revolve around the phylogenetics, functional morphology, and evolution of Late Cretaceous dinosaurs.

In addition to his museum and laboratory-based studies, Sampson has conducted paleontological work in Zimbabwe, South Africa, and Madagascar, as well as the United States and Canada. He was also the on-the-air host for the Discovery Channel's Dinosaur Planet and recently completed a book, *Dinosaur Odyssey: Fossil Threads in the Web of Life*, which is one of the most comprehensive surveys of dinosaurs and their worlds to date.
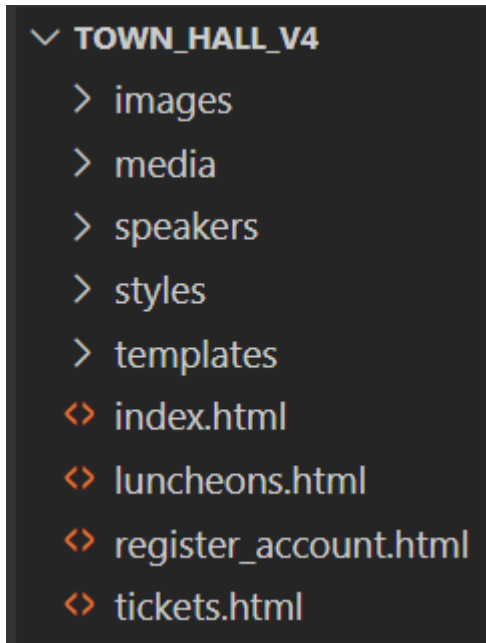
19. Copy the index.html file into the speakers subfolder and name it as "sampson.html"

20. Copy the main.css file into the style subfolder and name it as "speaker.css"

21. In the head section of the sampson.html, change the link element so it refers to the speaker.css file in the styles folder

22.   Update all the image and link references to the document-relative paths. Then, at the bottom of the HTML aside element, add a link back to the home page with a h2 element.

23.   Delete all the content from the section in the Sampson,html file but not the section tags. Then copy the text for the speaker from "sampson_05.txt" (If it is not there ask the trainer) into the section in the Sampson.html file

24.   Enclose the first heading ("Fossil Thread in the Web of Life") within an h1 element. Then code the image element after the first heading that displays the 'sampson_dinosaur.jpg' file that's in the images folder

25.   Enclose rest of the content for the speaker in an article element. Within the article element, enclose the first heading (the date and speaker's name) in h2 tags with a <br> tag to provide the line break, and enclose the rest of the text in <p> tags

26.   Validate the Sampson.html and speakers.css files. Test the web pages. If necessary correct the changes required and test again.

Hands-On #6

In this hands-on session, you will be working with the next version of the web site development. This version includes the new set of HTML and CSS files (Refer **TOWN_HALL_V4.zip**) file

The structure of the TOWN_HALL_V4 folder will look as shown below

We need to enhance the home page so that it looks as shown below

San Joaquin Valley Town Hall
Celebrating our 75th Year

Home   Speakers   Luncheons   Tickets   About Us

2011-2012 Speakers

October 19, 2011
Jeffrey Toobin

November 16, 2011
Andrew Ross Sorkin

January 18, 2012
Amy Chua

February 15, 2012
Scott Sampson

Our Mission

San Joaquin Valley Town Hall is a non-profit organization that is run by an all-volunteer board of directors. Our mission is to bring nationally and internationally renowned, thought-provoking speakers who inform, educate, and entertain our audience! As one of our members told us:

"Each year I give a ticket package to each of our family members. I think of it as the gift of knowledge...and that is priceless."

Speaker of the Month

Fossil Threads in the Web of Life

February 15, 2012
Scott Sampson

What's 75 million years old and brand spanking new? A teenage Utahceratops! Come to the Saroyan, armed with your best dinosaur roar, when Scott Sampson, Research Curator at the Utah Museum of Natural History, steps to the podium. Sampson's research has focused on the ecology and evolution of late Cretaceous dinosaurs and he has conducted fieldwork in a number of countries in Africa.

Read more. Or play video.

Our Ticket Packages

- Season Package: $95
- Patron Package: $200
- Single Speaker: $25

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1. Using your text editor open the new versions of index.html and main.css file from their appropriate folders

2. Test the index.html file in your web browser and see that a navigation bar has been added to the home page. However, it does not look like the own shown in the figure above.

3. In the HTML file, add the fifth link to the bar

4. Using the shared PPTs as guide, modify the styles for the bar so it looks like the given figure in this hands-on session. Use #800000 as the background color, #fffded as the color for the text and right borders, and yellow as the color for the current item. Now test these changes in your browser and adjust the CSS until you get it right.

5. If you have got borders at the top and bottom of the bar, try deleting them so that the right borders flow through the bar to the header and section. That's the way it is shown above. Test this change to see its impact.

6. At the bottom of the Speaker of the Month copy, change "Or meet us there!" to a link that plays the Sampson.swf file in the media folder in a new window. This link should say "Or play video" Then test these change in the browser

7. Change the bullets in the unordered list to circles

8. When you have got everything working right, validate the HTML and CSS files and test it in your browser. If you have any problems, fix them and test it again.

9. Add the navigation bar of the home page to the speaker's page for Scott Sampon page in the Sampson.html in the "speakers" folder. You need to add the CSS for the bar to the file named "speaker.css" in the styles folder. You may also need to adjust the CSS. Test and adjust to get the formatting right.

10. In the "Sampson.html" file make sure the paths in the link for the navigation bar are correct. Because "Sampson.html" is

in "speakers" folder where as the "index.html" is in the root folder. Use document-relative paths to set them right. Also none of the links in the navigation bar of "Sampson.html" page should be current

11. Test the web pages to make sure that the Home and Luncheons links to the right pages

Hands-On #7

In this hands-on session you will be enhancing the speaker page by adding figure and figcaption elements so that the page looks as follows

NOTE: If you have not done the previous hands-on your page won't have the navigation bar

1. Using the text editor open the HTML and CSS files for the speaker's page which should be **TOWN_HALL_V4/speakers** folder

2. In the HTML file, enclose the img element at the top of the article in figure element. Then add the figcaption element below the img element

3. In the CSS file, add the rule sets for formatting the figure and figcaption elements

4. Test the enhance in your browser.

Hands-On #8

In this hands-on session you will be enhancing the luncheons page by adding the table to it so that the page looks as follows

1. Using the text editor open the "luncheon.html" page. Then run the page in your browser to see that everything but the table is already in the file.

2. Add the table shown in the figure above. To quickly add new rows to the table you can copy and paste the earlier rows.

3. Test the page to make sure that the contents are all there even though the table is not formatted right.

4. Using the text editor open the "main.css" file in the styles folder. With the aid of the shared PPTs as guide modify the CSS so that the table looks like the one in the figure above. Here all the borders and the text in the heading above the table should have #800000 as their color.

   HINT: To do some of the alignment and to add borders to some of the rows, you should use classes

5. Test the web page in your browser. Fix any changes if necessary until the page looks like the one shown above.

6. Treat the table as a figure. Enclose the table within the figure element and code a figcaption element above the table, but within the figure element. Then copy the h2 element that says "The luncheon schedule" into the figcaption element

7. Test the web page again in your browser. It should look like the one shown above

8. Experiment with the CSS3 structural pseudo-classes to see whether you can replace some of the class selectors with the pseudo-class selectors. Record your observation and make a note of the change.