Client-Side Web Technologies – Homework Assignment 1
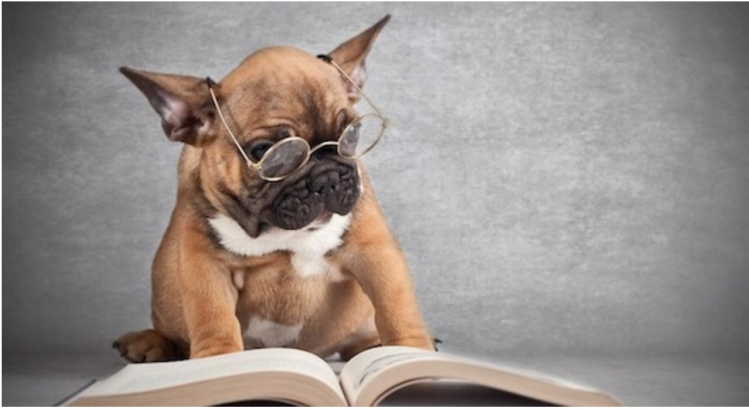
Due: April 4th @ 11:59 PM
Value: 10% of total grade

Overview

In this assignment you will create a simple HTML document using HTML5. In addition to the requirements outlined below, your HTML must validate as HTML5 using the online validation tool discussed in class (http://validator.w3.org/). The tool may give warnings. You may ignore those but must not have any errors.

The document that you will construct will be the main page for the Oakland Book Club, a fictitious organization whose members enjoy getting together and discussing books that they agree to read. The focus of this assignment is strictly on HTML5. Do not use any JavaScript or CSS. As long as your document satisfies the requirements of the assignment, the presentation of your document is not important. Here is what the content of your HTML5 document could look like (the full size screenshot image is on Blackboard as well):
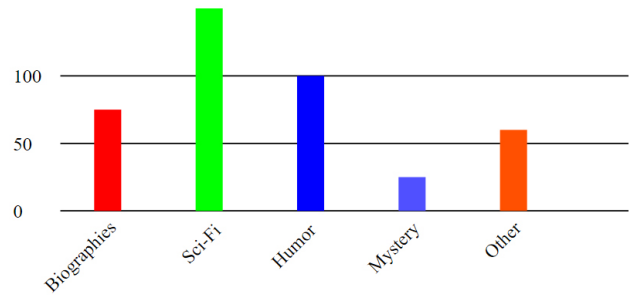
file:///M:/GIT/Personal/Academia/08724-S17/Homework1/Solution.html

Oakland Book Club

What We Are Reading Now

Title	Author	ISBN
The Catcher in the Rye	J.D. Salinger	0316769487
The Great Gatsby	F. Scott Fitzgerald	0743273567
A Separate Peace	John Knowles	0743253973

Our Favorite Genres

We recently conducted a poll among our members and found out what our favorite book genres are. Here are the results:

About Us

We are a group of diverse individuals who all share one common trait - the love of a good book! If you also love good books, why don't you consider joining our group? Some of the benefits to joining are:

- You get to read lots of great books!
- You get to meet new and interesting people
- You get to visit lots of different locations in beautiful Oakland!

For more information please contact Pauline using the following information or fill out the form at the bottom of the page:

Pauline Smith
Oakland Book Club Director
9876 Forbes Avenue
Pittsburgh, PA 15213
(412) 998-5454

Contact Us

Your Information
Name:* Joe Smith
Phone#:
Email*: joe.smith@foo.com
How did you hear about us?: Website ▼
Submit Form   Reset Form

Requirements

Your HTML document must, in addition to validating as correct HTML5 as discussed above, meet these requirements:

- Display the title "Oakland Book Club" in the browser title bar/tab
- Use meta elements for your name and Andrew ID
  1. One must have the name attribute = "author" and content should be your full name
  2. The other must have the name attribute = "andrewid" and should be your Andrew ID
- Contain the *reading_dog.jpg* image at the top of the page
- Contain a main section with the heading "Oakland Book Club" as well as 4 subsections:
  1. The first subsection consists of the heading "What We Are Reading Now" as well as the table shown in the screenshot (be sure to use semantically appropriate table elements – e.g. thead and th for headers
  2. The ISBN numbers are to be links that open a **new** browser tab/window and use these URLs:
     1. http://www.amazon.com/Catcher-Rye-J-D-Salinger/dp/0316769487/
     2. http://www.amazon.com/The-Great-Gatsby-Scott-Fitzgerald/dp/0743273567/
     3. http://www.amazon.com/A-Separate-Peace-John-Knowles/dp/0743253973/
  3. The second subsection consists of the heading "Our Favorite Genres", the text below the heading shown in the screenshot, as well as the **inline SVG** image shown in the screenshot (you must create this SVG image yourself)
  4. The third subsection consists of the heading "About Us", the text describing the club, an unordered list of benefits, as well as the information for contacting the club director (as shown in the screenshot)
  5. The fourth subsection consists of the "Contact Us" heading as well as a form for submitting information
  6. The form must:
     1. Use the fieldset element as well as the legend element (to display "Your Information" as shown)
     2. POST its data to the following URL: http://csw08724.appspot.com/hw1.do (If working correctly, the response should be an HTML document showing the name/value pairs of your submitted form elements)
     3. Contain the following elements for entering information (with the labels shown as well):
        - A **required** text input with the name attribute of "name"
        - An optional **tel** input with the name "phone"
        - A **required email input** with the name "email"
        - A select element with the name "howheard" and the following option elements:
          - Website
          - Friend/Relative
          - Other
     4. The required text input elements should show help text to display what the value should look like (as shown in the screenshot)
     5. The form must have both a submit input element and a reset input element

Submission

To submit your assignment, add all of your files (in this case it would just be your HTML file and the *reading_dog.jpg* image file) to a ZIP archive, name the ZIP file ***Homework1_[andrewid].ZIP***, and upload to Blackboard under Assignment 1 by the due date/time above. For example, my ZIP file name would be ***Homework1_jmussits.ZIP***.

Grading Rubric

This assignment is worth 50 points (10% of your total grade). The following is how the assignment will **likely** be scored:

- Your document validates as conformant HTML5 (4 points)
- Document contains a title element and required meta elements (4 points)
- Document has the correct image placed at the top (4 points)
- Document consists of a main section with four subsections (4 points)
- Table implemented correctly (4 points)
- Links implemented correctly (4 points)
- SVG implemented correctly (10 points)
- List implemented correctly (4 points)
- Form and related elements implemented correctly (12 points)