DIG3716c: Internet Interaction

Lab Assignment 3 Specifications (Behavior Scripting)

The assignment is due 11/12/2010 by 4:20pm.

Overview:

Gather content, develop visual and markup components, and script site behavior for a new informational site about hot rodding (also acceptable: Muscle Cars, Street Rods, Hot Rod Culture).

Starting Points:

*   http://en.wikipedia.org/wiki/Hot_rod
*   http://www.hotrod.com
*   http://www.nsra-usa.com
*   http://www.popularhotrodding.com
*   http://www.hotrodders.com
*   http://www.carculture.com

Specifications:

General Implementation:

*   Code should be indented to show tag parent/child relationships.
*   The root directory for this assignment must be:
    ~/public_html/dig3716c/assignment03
*   You must have three XHTML pages called home.html, hotrods.html, and links.html, and they must be located in the root directory for this assignment.
*   The image directory for this assignment must be
    ~/public_html/dig3716c/assignment03/img
*   The <title> of each page must be the "name_of_the_page – your_first_name your_last_name", for example "Hot Rods – Dan Novatnak".
*   Your page should contain proper semantic formatting as discussed in previous lectures/labs.
*   All directories and filenames should contain no spaces or uppercase letters.
*   All links need to be functional.

XHTML

*   Web page validates as XHTML Transitional (http://validator.w3.org)

CSS

*   The CSS directory for this assignment must be
    ~/public_html/dig3716c/assignment03/css
*   You may use the 960gs Grid System for your layout of this assignment
*   All styles must be documented in an external CSS file called styles.css and linked to the document using the @import url rule.
    *   All presentational HTML attributes must be replaced with CSS rules
    *   Use classes and/or id's where appropriate

JavaScript

- The JavaScript directory for this assignment must be ~/public_html/dig3716c/assignment03/script
- All JavaScripts must be documented in external JavaScript files called random_banner.js, credits.js, and hotrods.js and linked in the <head> of each page.
    - o random_banner.js
        - ▪ You must use arrays and DOM scripting with DOM Core methods and properties to randomly choose a header image every time the user visits any one of the three pages. You must have at least 4 different images that are randomly picked.
    - o credits.js
        - ▪ Every content image on the site (including the randomized header image, but excluding any layout-specific image) must display a <div id="credits"> whenever the image is clicked.
        - ▪ The <div id="credits"> must display information in the following format:
        - ▪ File Name – image_file_name.jpg
        - ▪ File Size – image_file_size with units
        - ▪ div#credits must appear in between the header and content areas of your layout, and must only appear for 3 seconds and then disappear again.
        - ▪ This script must use arrays and DOM scripting with DOM Core methods and properties.
    - o hotrods.js
        - ▪ The secondary navigation links in hotrods.html must have all of their normal behavior removed, and that behavior must be replaced with the following functions:
        - ▪ Before any secondary links are clicked, the message "Please choose which type of hotrod you would like to learn about" should appear in the content area.
        - ▪ Once a secondary link is clicked, the content area on hotrods.html should cleared and dynamically filled with the appropriate content using DOM scripting with DOM Core methods and properties.
- You may not use any JavaScript libraries or any piece of a JavaScript tutorial.
- You may not use the innerHTML property anywhere in this assignment.
- You may not use the XMLHttpRequest object or any variation of it.

General Presentation:
- Develop a new layout and website that meets the following criteria
  - Column, grid-based layout (960.gs)
  - Contains at least header, content, sidebar, and footer using a different layout than assignment 2
  - Header or sidebar contains an unordered-list-based navigation system for the three different sections of the site
  - Footer contains the text "Created by first_name last_name"
  - Centered in the browser window
  - Font-sizes and font-families should be consistent across all sections and pages of the site
  - The site should maintain a consistent layout between the three pages

Content:
- Research text and image content for each of the three pages of your site
- home.html
  - Assemble at least three paragraphs of introductory information about hot rods. The content section of this page does not need to contain any images.
- hotrods.html
  - Assemble at least 3 to 5 examples of each in a minimum of three categories similar to the following categories of information. Get creative! (Email to ask if it is acceptable though!)
    - Pre WWII Hot Rods
    - Famous Hot Rods
    - Modern Street Rods
    - The people
    - The culture
    - Car Shows
  - Each example must contain at one image and a one-paragraph description.
  - The content for these three categories should be accessible through a secondary navigation that is separate from your normal page navigation.
- links.html
  - Assemble a list of citations for each of your images and sections of text were used in home.html and hotrods.html.
  - You must use at least 6 different image sources and 3 different text sources.
  - Present all citations in proper APA citation format. (For assistance see: http://citationmachine.net)

Wireframes:
- You must produce *at least* 3 wireframes (content, layout, greybox) with sections appropriately labeled on the wireframes.
- Wireframes should be uploaded to the wireframes directory specified above.
- Wireframes can be created in Photoshop, Illustrator or Mockingbird, http://gomockingbird.com/ and must be submitted as PNG files.

Grading Rubric:

Assessment:
/30   Presentation and Content specs followed
/20   random_banner.js not working according to spec
/20   hotrods.js not working according to spec
/20   credits.js not working according to spec
/10   Wireframes spec followed

Deductions:
-100   LATE SUBMISSIONS
-40   SUBMISSION TO INCORRECT LOCATION
-100   if any libraries(like jQuery, etc.), tutorial code, innerHTML and/or XMLHttpRequest are used
-30   if the instructor feels that you didn't put significant effort into the assignment
-30   if all requested content is not included
-30   if your layout is not consistent between the four pages
-10   if your navigation is not unordered-list-based as discussed in class
-10   if your font-sizes and families are not consistent across all sections and pages of the site
-30   if content sections are not included as requested
-10   if footer content is not represented as requested
-30   if any XHTML tables are used for formatting
(-1 per error)   Implementation General specs followed
(-2 per error, -2 per warning)   Implementation XHTML specs followed
(-1 per error)   Implementation CSS specs followed

/100   TOTAL