

DIG3716c Assignment 3

Due By: 04/06/11 12:30pm

Delivery Method: Your assignment folder should be ~/public_html/dig3716c/assignment3

Overview

Part 1 – Implement the site you planned in assignment 2.

Part 2 – Design and implement a random advertisement deck to display on the site you create in part 1.

Specifications

Implementation

General

- Code should be indented to show element parent/child relationships
- The root directory for this assignment should be **~/public_html/dig3716c/assignment3**
- The image directory for this assignment should be **~/public_html/dig3716c/assignment3/img**, and all images that your site uses should be stored in this folder and referenced locally
- Your XHTML pages should be located in the root directory for this assignment and should be named according to the content they display. For example, a page about UCF patent information should be named **patents.html**. No pages should be named home.html or index.html
- The <title> of each page should be “the name of the page – your first name your last name”. For example, “Patents – Jon Friskics”
- No spaces or uppercase letters should be used in file names or directory names.
- All links need to be functional

XHTML Validation

- Your pages should validate as XHTML Transitional 1.0 (<http://validator.w3.org>)

CSS

- All styles must be documented in an external CSS file called **styles.css** and linked to the document using either the @import url rule or a <link /> element in the <head> of the document
- All presentational HTML attributes should be replaced with CSS rules
- You may (and are encouraged to) use a reset stylesheet
- You may use the 960gs Grid System
- The CSS directory for this assignment should be **~/public_html/dig3716c/assignment3/css**

JavaScript

- The JavaScript directory for this assignment should be `~/public_html/dig3716c/assignment3/js`
- You may not use any JavaScript libraries or any piece of a JavaScript tutorial presented outside of lectures and/or labs in this course
- You may not use the innerHTML property anywhere in this assignment
- You may not use the XMLHttpRequest object or any browser-specific variation of it
- All JavaScript code must be documented in an external JavaScript file named **a3.js** and linked in the <head> of each page
- You should only use unobtrusive JavaScript, and no JavaScript can appear in your HTML outside of the <head> element

Behaviors

Randomness

- When the user visits any page in your site, in addition to the static site content they should be shown a random selection of 3 image-based advertisements (described in the Content section below)
- The ad deck container can be in your static HTML file, but the individual images and their containers must be dynamically created with DOM script on page load

Context

- When the user clicks on any one of the images currently displayed in the ad deck, a new content section should appear somewhere on the page that displays the following information (real or fictional):
 - o Company name
 - o Product/service being advertised
 - o Price of product/service being advertised
- If the user clicks the new section of information that appears, then that section should be removed from the page
- All of the behavior described above should be DOM scripted in JavaScript in response to user clicks

Presentation

General

- Your site's layout should be derived from one of the two wireframes you submitted for assignment 2
- Your site should have a color scheme that is consistent between pages and content sections
- I should immediately be able to know that you put significant time and effort into designing your site based on your wireframes
- Your site should be centered in the browser window
- CSS positioning should not be used to control layout sections

Advertisement Deck

- Your site design must incorporate an "ad deck" that displays three random advertisements (described in the Content section below). This ad deck should be unobtrusive to any of the content, but should still be prominently displayed. It can be displayed horizontally or vertically.

Content

- Text and image content for Part 1 will come from the materials delivered as a part of Assignment 2
- Image content for Part 2 will be original content created specifically for this assignment
- Each advertisement for part two should meet the following requirements:
 - o A single image exactly with pixel dimensions exactly 80x80
- You should have **at least 10** advertisements created (but only show 3 randomly chosen on page load as part of your ad deck)
- HTML elements used in your site design should convey the appropriate **meaning** of the content they are marking up

Rubric

	Implementation General specs followed (-10 per error)
	Implementation XHTML spec followed (-10 per error, -5 per warning)
	Implementation CSS specs followed (-5 per error)
/60	Behavior Scripting specs followed
	-30 random images not displayed on page load according to spec
	-30 single ad information not displayed on click as requested according to spec
/20	Presentation specs followed
	-5 for each instance of your site not following the rules you defined in your wireframes
	-20 if your site does not follow a unified color scheme, or I don't see any evidence that you attempted to create a color scheme.
/20	Content specs followed
	-50 if appropriate semantic markup elements are not used
	-100 if any XHTML tables are used
	-100 if CSS positioning (relative/absolute) is used to position big layout sections
	-100 if all requested content is not included
/100	TOTAL