

Creative Coding

Assignment #2 - Introduction to JavaScript

Overview:

There are a group of one page websites on the internet that are fun quirky bits of nonsense. For example:

- The Passive Aggressive Password Machine - <http://www.trypap.com/>
- RRR GGG BBB - <http://www.rrrgggbbb.com/>
- Big Long Now - <http://www.biglongnow.com/>
- Semantic Responsive Illustration - <http://semanticresponsiveillustration.com/>
- Falling Falling - <http://www.fallingfalling.com/>
- Koalas to the Max - <http://www.koalastothemax.com/>

Or you can just Google the term "useless web" and you will find a of samples.

Your assignment is to make a single quirky page that would fit into this category. Have some fun with it. Try to make it something partially useful, like the Passive Aggressive Password Machine.

This is a one page assignment so this is a chance to really polish off your code:

- Clean, tabbed and commented code
- Valid W3C compliant
- Proper meta tags
- Browser tested (works in Explorer, Chrome, Firefox, Safari and Opera)

Learning Objectives:

This assignment will require you to design a concept and then have to write the code to achieve your concept. It will give you a chance to put your basic coding syntax into practice.

Suggested Process:

This is a suggested timeline to complete this assignment over the next three weeks:

1. **Week 1:** Research other "useless web" pages and come up with your own concept.
2. **Week 2:** Program your concept using HTML, JavaScript and CSS.

- Week 3:** Test your concept in a variety of browsers, clean up your code, check your code with W3C validators and polish it off.

Rubric:

Here is how you will be marked:

Category	25% Poor	50% Unsatisfactory	75% Satisfactory	100% Excellent
	Shows no or poor level of knowledge	Shows moderate level of knowledge	Shows proficient level of knowledge	Shows excellent level of knowledge
Valid HTML (5)	One mark deducted for each HTML error. Use validator.w3.org before submitting your code.			
Valid CSS (5)	One mark deducted for each CSS error. Use validator.w3.org before submitting your code.			
Meta Data (5)	Author and charset meta tags are included.	Description meta tag is included.	Title is included.	Tag content uses proper values, lengths, etc...
Concept (5)	You will receive a rating out of five for your concept. More complex concepts will receive a higher mark and less complex concepts will receive a lower mark. For example: http://iamawesome.com - 0 out of 5 http://www.trypap.com/ - 5 out of 5			
Browser Tested (5)	Only works in one browser and on one platform.			Works in all tested browser (Opera, Explorer, Chrome and Firefox; Mac and PC).
Well Formatted Code (5)	Code is not well formatted.	Code is well spaced.	Code is well organized	Code is well commented.
JavaScript Output (5)	JavaScript output is attempted.	JavaScript output works well.	JavaScript output works and is practical.	Use of JavaScript output is efficient or used to manipulate the DOM.
JavaScript Variables (5)	JavaScript variables are attempted.	JavaScript variables work well.	JavaScript variables work and are practical.	Use of JavaScript variables is efficient.
JavaScript Control Structures (5)	JavaScript control structures are attempted.	JavaScript control structures work well.	JavaScript control structures work and are practical.	Use of JavaScript control structures is efficient.
JavaScript Advanced Concepts (5)	Advanced JavaScript is attempted.	Advanced JavaScript works well.	Advanced JavaScript works and is practical.	Use of advanced JavaScript is efficient. Including loops, functions, etc...

TOTAL (25% of your Final Mark)

Submission/Deliverables:

To submit this assignment simply upload your web page to your server and provide the URL in your Blackboard submission. Please test the URL before you submit it.