

1 Description

Now that you've got a good looking web page, it's time to add dynamic functionality to it. You will use the DOM tree to modify your web page after it has completely loaded. The page that the user sees will probably be very different from your previous assignment because of the changes your Javascript will have to make.

You must make the following changes to your document:

1. Change the URL of at least one anchor tag.
2. In one paragraph, you must change the case of each character.
3. Make one element of the document invisible.
4. Move the last element in your document to become the first.
5. Delete the middle element in your document.
6. Create a new paragraph at the end of your document that contains the following text: "This document ruined by construction!"
7. After the new paragraph is created, duplicate it five times.

2 Constraints

You must use an external Javascript file. This functionality should work on IE 6 & 7 and Firefox 2, so don't use any non-portable constructs. For grading purposes, state the browser you primarily developed your site with. The TA will grade most of your page with that browser; the portability grade will ensure the site works with the all browsers mentioned above.

Note that you should use a wide range of methods for getting at the DOM. This assignment is about practice, so you will be graded on how much of the built-in DOM functionality you use.

3 Grading

This assignment will count 15% toward your assignment grades. It will be graded as follows:

- 100 points for entire page
 - 70 points for functionality
 - 10 points for changing the URL
 - 10 points for changing the case of characters in a paragraph
 - 10 points for making an element invisible
 - 10 points for moving the last element
 - 10 points for deleting the middle element
 - 10 points for creating the new paragraph
 - 10 points for duplicating the new paragraph
 - 10 points for portability
 - 20 points for specific DOM functionality
 - 5 points for using `getElementById()`
 - 5 points for using `getElementsByName()`
 - 5 points for using `childNodes[]`
 - 5 points for using `parentNode`