Tutorial 6

The Document Object Model (DOM) – the sequel

1. Create a new folder on your W drive, e.g. w:\ci135\sem2\session06, and in it create a HTML page called index.html and a JavaScript file script.js. Link the JavaScript file to the HTML using a <script> element.
2. Add an anchor <a> to your HTML with the id q2 and a href to a webpage of your choice, and attach to it a click event listener that uses getAttribute to log the value of href to the console. The listener should prevent the default action of the anchor.
3. Create a paragraph <p> element with a title attribute. Add a click event listener so that when the paragraph is clicked the value in the title attribute is swapped with the paragraphs content.  
     
   **HINT**: Consider giving the paragraph an appropriate id so it can be easily addressed by JavaScript. The code should turn a paragraph like this:  
   <p title="Title text">Content text</p>  
   into this:  
   <p title="Content text">Title text</p>  
   and back again.
4. Find two images of the same size (e.g. 300x300 pixels) and use them to implement the image rollovers in your HTML as seen in the slides.
5. Implement a text field, button and list so that when the button is clicked the text entered by the user is inserted into the list as a new list item.  
     
   **HINT**: See lecture slides.
6. Implement a button and table so that when the button is clicked the table contents are generated based on an array of strings.  
     
   **HINT**: See lecture slides.
7. Copy and extend your solution to question 6 (be sure to change ids and function names so that there are no conflicts) so that the form also includes a text <input>. Your revised generate() function should fetch the user entered value of this text field and split the string into an array on the comma (",") character.  
     
   **HINT**: String.split() Splits a string by a given character and returns an array of strings, e.g.  
   "Tom,Jane,Dave".split(",") === ["Tom", "Jane", "Dave"]; // true
8. Implement a text field and button so that when the button is clicked the text entered by the user is retrieved, split into an array by commas (","), and a new unordered list <ul> is created containing each of those elements.  
     
   **HINT**: You’ll need to identify a place in the page to insert each new unordered list <ul>.