

LBSC 690: Information Technology

Homework 08:

Javascript and the DOM

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In this homework, we are going to look at doing some Javascript programming. To start with, download the page:

<http://codalism.com/~wew/lbsc690/imageshift.html>

and the four image files (dog.jpg, flea.jpg, kitten.jpg, and owlet.jpg), and then upload them to your terconnect account. Make sure the image replacement function is still work.

The following tasks are arranged in order of increasing complexity. Perform them one at a time. When you are complete, submit the one file incorporating all of the tasks.

Question 1:

Add another image of your choice to the list of images that can be rolled over and which then dynamically appear.

Question 2:

Make it so that if the user clicks on the large image, it goes back to being the kitten.

Question 3:

Add three buttons, marked “Big”, “Medium”, and “Small”. Make it so that if the user clicks the “Big” button, the main image changes to being 500 pixels high; if the “Medium” button, to 400 pixels; and if the “Small” button, to 300 pixels. (Hint: you need to update the CSS values of the element. Each object’s CSS values are available in the “.style” property of the object. Do a search on the web for examples of updating this property.)

```
<html>  
<head>
```

```

    <title>Image shifter</title>
</head>

<body>

    <script language="javascript">
        function swImg(name) {
            document.getElementById("image").src = name;
        }
        function szImg(height) {
            document.getElementById("image").style.height = height;
        }
    </script>
    <center>
        
    </center>

    <div style="height: 30px">&nbsp;</div>

    <center>
    
    
    
    
    
    </center>

    <center>
        <input type="button" value="Big" onClick="szImg('500px')">
        <input type="button" value="Medium" onClick="szImg('400px')">
        <input type="button" value="Small" onClick="szImg('300px')">
    </center>
</body>

</html>

```