

## Week 10: Sliding/Toggle Menus

### DHTML & the (W3C) Document Object Model

- Now that we find ourselves needing to use Cascading Style Sheet more often and referring to objects as elements with ID names, we will also need to use a newer (W3C) Document Object Model that the newer browsers comply to:

```
W3C DOM = document.getElementById(objectID)
```

- The W3C's ID DOM allows you to write scripts that access any element on the screen thus you have the power to change any element's properties via CSS while maintaining the properties of the JavaScript that is applied to the objects.
- To use the DOM to address an object we can now create a variable as an object and access that object thru the W3C's ID Document Object Model:

```
object = document.getElementById(objectID)
```

### To create a Toggle Menu:

```
<script>
```

```
function toggleMenu(currMenu) {
    if (document.getElementById) {

// First we need to create the function "toggleMenu()" which is passed a
reference to the current menu (currMenu) that will be defined later in
the user event (menu1, menu2, menu3)
// We also need to write a test to see "if" the browser will support
"document.getElementById"

        thisMenu = document.getElementById(currMenu).style

// "if" the browser does support "document.getElementById" then we set up
a variable, "this Menu" which will be given the value of
"document.getElementById(currMenu).style" which will let the next part of
the script find our current menu

        if (thisMenu.display == "block") {
            thisMenu.display = "none"
        }

// Our next "if" statement asks "if" our current menu that we find via
"document.getElementById(currMenu).style" or "thisMenu" is equal to
"block" or "visible" then set the menu to "none" or "not-visible."

        else {
            thisMenu.display = "block"
        }
    }
}
```

```

// "if" our current menu or "thisMenu" is "not-visible" (or set to "none"
via our style-sheet) then set the menu to "block" or "visible."

        return false
    }
    else {
        return true
    }
}

</script>

<style type="text/css">

.menu {
    display:none;
    margin-left:20px;
}

<!-- Here is where we set our menu to not display on load -->

</style>

<body>
    <h1>Shakespeare's Plays</h1>
    <h3><a href="page1.html" onclick="return
toggleMenu('menu1')">Comedies</a></h3>

    <!-- Here is where we use the link "Comedies" to call the function
"toggleMenu('menu1')" on click -->

    <span class="menu" id="menu1">
        All's Well That Ends Well<br />
        As You Like It<br />
        Love's Labour's Lost<br />
        The Comedy of Errors
    </span>

    <!-- The span set to the class of "menu" and given the id of "menu1"
is the menu that opens when the link "Comedies" calls the function
"toggleMenu('menu1')" on click -->

    <h3><a href="page2.html" onclick="return
toggleMenu('menu2')">Tragedies</a></h3>
    <span class="menu" id="menu2">
        Anthony & Cleopatra<br />
        Hamlet<br />
        Romeo & Juliet

```

```
</span>
<h3><a href="page3.html" onclick="return
toggleMenu('menu3')">Histories</a></h3>
<span class="menu" id="menu3">
    Henry IV, Part 1<br />
    Henry IV, Part 2
</span>
</body>
```