

## MINI PROJECT 4: DREAMWEAVER BEHAVIOR

### **Effect 1: Image Swap**

I choose to use an image swap on two of the images on my page. The small MU logo in the footer will change color when the mouse hovers over it. Also, Mizzou ltiger in the top-right corner will open its mouth to “roar” on mouse over. This is accomplished primarily by using `onmouseover="MM_swapImage` and `MM_swapImgRestore`.

When the html is parsed by the browser, the `<script>` tag in the head loads the external JavaScript document “young\_behaviorscript.js”. “Onload” is also activated when the body loads and calls the “MM\_preloadImages” function from the external JavaScript. This preloads the two “swap” images from my “images” folder so that they are ready for the “onmouseover” event. Otherwise, the user would have to wait for the images to download after the “onmouseover” event occurs which would seriously hinder the interactive effect. Hovering over either of the two swappable images activates “onmouseover” which triggers `MM_swapImage` thus replacing the default image with the designated alternate preloaded image. Moving the mouse away restores the default images by activating “onmouseout” and triggering `MM_swapImgRestore`.

### **Effect 2: Form Verification**

When a user clicks on the “Comments to this student” button to reveal the form, the form will automatically verify if the fields have been filled and if the email field contains an email address. Uses an Event Listener for “Submit” and `FormValidation`.

### **Effect 3: Opening New Browser Window**

When a user clicks on the “Resources” button to reveal the unordered list of links, clicking on the links will cause a new browser window to open with the specified URL. Uses `onclick="MM_openBrWindow` and `MM_goToURL`.

### **Effect 4: Accordion Menu**

Since I had a limited amount of space on my page, I decided to see if I could find some JavaScript to help me create expandable/collapsible areas in my right column. The textbook had some excellent code for creating an accordion menu. The very complex code came straight from the book but it took considerable tweaking to make it work with my page. I don’t pretend to understand how it works, but I think the effect is very nice. I only wish that I could have figured out how to make the “Resources” menu open by default when the browser loads the page, but that was beyond me.