

WMDD 4835 Assignment 5: Scroll and fadeToggle

Task 1:

Create a header that has two distinct styles: one style that displays when the user is viewing the top of the site, and one header that displays in a fixed position at the top of the window when the user scrolls down. For a demonstration, see the video **demo.mp4** that has been included with the files for this assignment.

The strategy for implementing this functionality is to use jQuery to add a class called **sticky** to the header element when the user has scrolled down the page a certain amount. This class will set the position property of the header to **fixed** and will change a few other properties of the style. This class should then be removed, using jQuery, when the user scrolls back up to the top of the page.

- Download the starter files from D2L. You will need to write the jQuery code and the CSS code for the **sticky** class.
- Get the code linking to the jQuery library from the following source and paste it into the head of your page: <https://developers.google.com/speed/libraries/>
- There is a script tag in the head section of your document. This is where your jQuery code will go.
 - Use the **ready()** method to make sure your document is ready to go before the other functions are run. Your jQuery code will go inside the function of this method. See the following resource for an explanation of this method: https://www.w3schools.com/jquery/event_ready.asp
- Use the **scroll()** method in jQuery to detect when the user scrolls down the page. The jQuery selector you will use is **\$(window)**.
https://www.w3schools.com/jquery/event_scroll.asp
- When the user scrolls on the page, check the distance that the user has scrolled so far by using the **\$(window).scrollTop()** function. This will return the distance from the top of the screen that the user has scrolled. Use **if** and **else** statements to either add or remove the **sticky** class depending on whether **\$(window).scrollTop()** is above or below a certain distance. You can use the methods **addClass()** and **removeClass()** to achieve this.

More info:

- https://www.w3schools.com/jquery/css_scrolltop.asp
- https://www.w3schools.com/js/js_if_else.asp
- https://www.w3schools.com/jquery/jquery_css_classes.asp

Task2:

Configure the search window to display when the search icon in the menu is clicked (The magnifying glass icon).

- To do this, use the **click()** method (or the **on()** method) to detect when the user clicks on the icon, and use the **fadeToggle()** method on the form element.
 - o More information: https://www.w3schools.com/jquery/event_on.asp
- Using the same technique, configure the search screen to close when the user clicks on the **x** in the top right corner. Remember that we can select elements in jQuery by placing the CSS selector inside the jQuery function like this: **\$("CSSselector")**
- Make sure the search functionality is fully keyboard accessible:
 - o When the user clicks the magnifying glass and expands the search screen, use the **focus()** method to make sure the focus is placed on the search bar.

Task 3:

You've probably noticed the layout for this page uses the **float** property. Remove the float property declarations from the CSS and redo the layout using **flexbox**.