

**Advanced Web Development and Web Scraping**  
**Fall 2018**  
**Assignment #5 – Chrome Browser Extension**

Note: To turn in this assignment, create one or more zip files of your extensions and e-mail them to me.

1. Create a Chrome browser extension that lists all *external* links when the user clicks on the extension icon. In order to consider only external links, you can ignore links with URLs that begin with a “/”. The links should be displayed in a modal that appears on the page. An example modal can be seen here:  
[https://www.w3schools.com/howto/howto\\_css\\_modals.asp](https://www.w3schools.com/howto/howto_css_modals.asp)
2. Modify the highlighter extension as follows:
  - a. Allow the user to enter multiple keywords (up to 4), by including a button that lets the user add additional keywords. When this button is clicked, a new textbox is displayed and the user can enter an additional keyword. However, this button is *disabled* if one or more of the textboxes are empty. If textboxes 2-4 lose focus and are empty, then the textbox is removed.
  - b. The *highlight.js* script highlights finds and highlights multiple keywords. The easiest way to do this is to create a regular expression with all keywords separated by the OR symbol ('|'). In this case, qry should have the following form when the regular expression is created: "word1|word2|another word"
  - c. In addition to highlighting the words, a summary is displayed on the top right corner of the screen, listing each keyword and the number of matches found.