

# WEB 303 - Javascript 2

## Assignment 8

### Chapter 12: Filtering and Searching

Create a web page with a table containing a list of fictional characters from a show, movie or book series that you're interested in. Store the data for these characters in a JSON file, and retrieve it using a jQuery ajax method of your choosing. There must be at least 10 characters with at least 4 pieces of information on each character, one of which is the characters name.

Add the ability for a user to search for a character by name at the top of the page, above the table. If any part of the string the user enters is contained in any characters name, highlight all the applicable characters rows by setting the background colour of the cells in the row to yellow, and the text to black. Remove the highlight once the search term is no longer contained in the characters name.

Add two filter buttons below your table, one that narrows down your table of characters to only ones where their name starts with a letter between A and M inclusively, and another that narrows down your table of characters if their name starts with a letter between N and Z inclusively. This filter should not remove or destroy the table rows that are outside of the filters range, but should just hide and show them.

Inside of each button, include a number in brackets that indicates how many characters fall into that filter. For example, if you have 4 names that start with a letter from A to M, and 6 that start with N to Z, your buttons would look something like this:

```
<button>A - M (4)</button>  
<button>N - Z (6)</button>
```

Create a branch on your github repository called `Assignment 8`. Add your code from this assignment to your repository on that branch. Submit the link to your branch on blackboard.