# COM S/SE 319 : Construction of User Interfaces
# Spring 2020

# Homework 5

**[Total Points: 25]**

**Assignment Due:** Sunday, March 1, 2020, 11:59 PM

Required frameworks: **AngularJS**

The focus of this part of the homework is on AngularJS. Implementing the following parts using plain JavaScript is not accepted.

Check out the files cars.html and cars.js. cars.js provides an array of cars owned by a certain dealership. Your task will be to display the cars in an html table and apply filtering techniques to the results.

1. Show the list of cars in a table with columns "Manufacturer, Model, Year, Stock, Price, Option". Prices should be shown in the right format like $7800.00. (Use AngularJS Filters) **[8 points]**.

2. In the "option" column, each row should have a button with the text "increment" that whenever it is clicked, it will increase the stock number of that specific car on that row by one. (Use ng-click) **[4 points].**

3. Make the header of column "Year" clickable, such that it lists the cars in ascending order. Click it again and it must reverse the list (descending order) **[4 points]**.

4. Create a drop-down menu with the names of manufacturers and an "All" option. When a manufacturer is selected, it filters the table to only show the cars that are manufactured by that company. (Use AngularJS filters) **[4 points]**.

**Please find the attached HW 5 zip files HW5-Files.zip on Canvas.**

**Submit requirement [5 points]**
Submit via Canvas a **compressed file (.zip)** [rename it with your LAST NAME] containing the following folders and files:
- **src** folder**:** Attaching all files of your implementation
- **README** file explaining how to compile and run your program & a
- **Report** (.docx or .pdf) file describing your solution approach and **screenshots** of every required output.