

# CMPT 661 Web Development - Fall 2017

## Homework 3 – Building SPA Web Application using Angular

Due date: midnight Sunday 7<sup>th</sup> January

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### Objective

The objective of this homework is to practice building SPA Web Application using Angular.

In this homework, you will implement an application that allows users to record their overseas trips and the rate the landmarks they have visited.

To populate countries and cities dropdown, you may use the following JSON files:

- Countries list <https://gist.githubusercontent.com/keeguon/2310008/raw/bdc2ce1c1e3f28f9cab5b4393c7549f38361be4e/countries.json#>
- Cities <https://raw.githubusercontent.com/lutangar/cities.json/master/cities.json>

### Requirements

You are requested to design and build a Travel Tracker App that allows users to record their overseas trips and the rate the landmarks they have visited. The system requirements are summarized as follows:

- Enter the trip details including the Country, the City, the Visit Date, Visit Type (Business or Holiday) and Total Cost.
  - The user can select / search a visited country from a countries dropdown. Once a country is selected then the system should fill the cities dropdown with the cities of the selected country.
  - For each trip, the user can enter one or more landmarks they have visited. They can enter the landmark name and a rating from 1 to 5.
  - Delete a landmark visit associated with the trip.
- Get list of trips.
- Update a trip details (similar to add).
- Delete a trip and its associated landmark visits.
- The data should be managed using MongoDB

You are required to complete the ***Hw3-TestingDoc-Grading-Sheet.docx*** and save it inside **Hw3-JavaScript** subfolder. As you progress, sync your repository to push your work to Github.