

## Objective

The objective of this workshop is learn how to use client-side routing in an application.

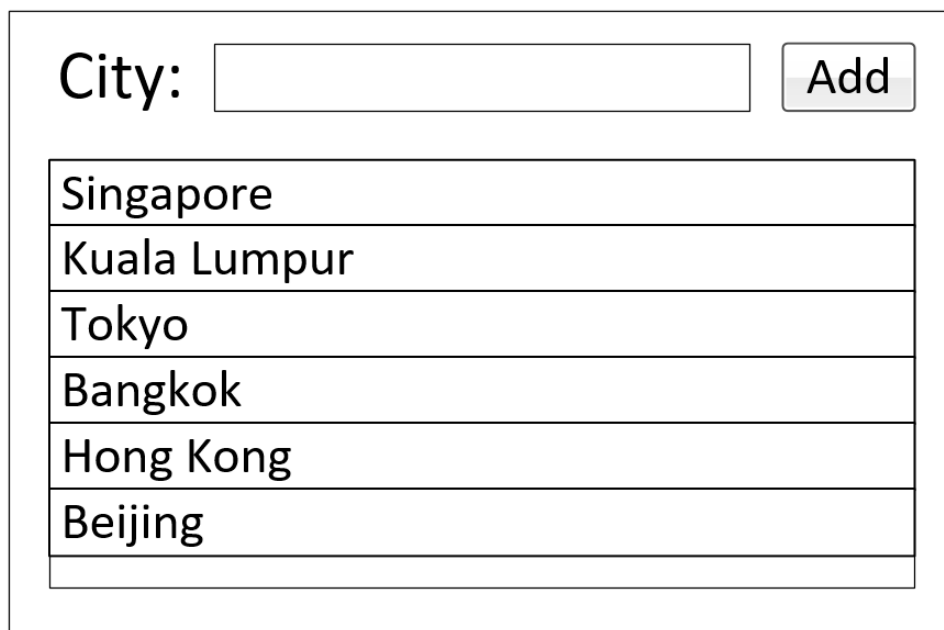
## Setup

- Generate a new Angular application
- Generate a API from <https://openweathermap.org>

## Workshop

### Task 1

You are to write a weather application in Angular which consist of 2 views; the first (Figure 1) display a list of cities. This list should be pre-populated with a set of default cities of your choice.

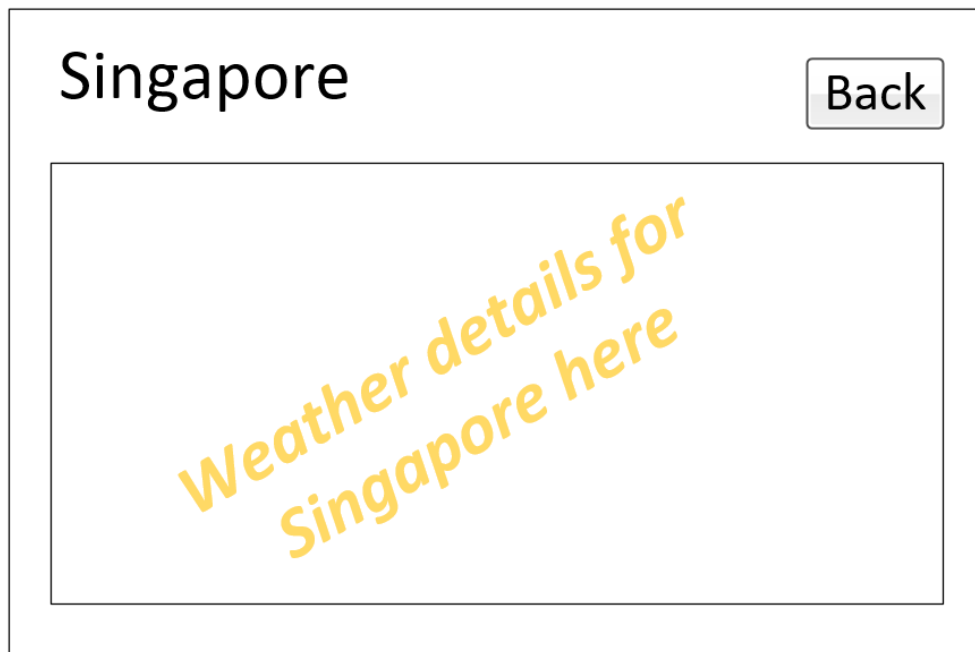


City: <input type="text"/>	Add
Singapore	
Kuala Lumpur	
Tokyo	
Bangkok	
Hong Kong	
Beijing	

*Figure 1*

The Add button allows you to add new cities to the list from the input box. The city list should not have duplicate cities.

When a city is selected (eg. Singapore), the application should transition to a new route and display the weather of the selected city



*Figure 2*

Use the following openweathermap endpoint to get the weather details

```
https://api.openweathermap.org/data/2.5/weather?q=<city>&appid=<API key>
```

You can display any amount of detail from the result.

A Back button returns to the city list (Figure 1).

### **Task 2**

Generate a PWA application manifest for your weather application

### **Task 3**

Deploy the application to Vercel

## Optional Workshop

*Only attempt this if you have completed the workshop.*

Allow a user to delete one or more cities from the city list.

Save the list of cities to local storage. When the application starts, it should check if local storage has a city list. If it has, it should load the city list and display it.