

ASE CS 5551 Lab Assignment 4

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Application Name: Route & Weather

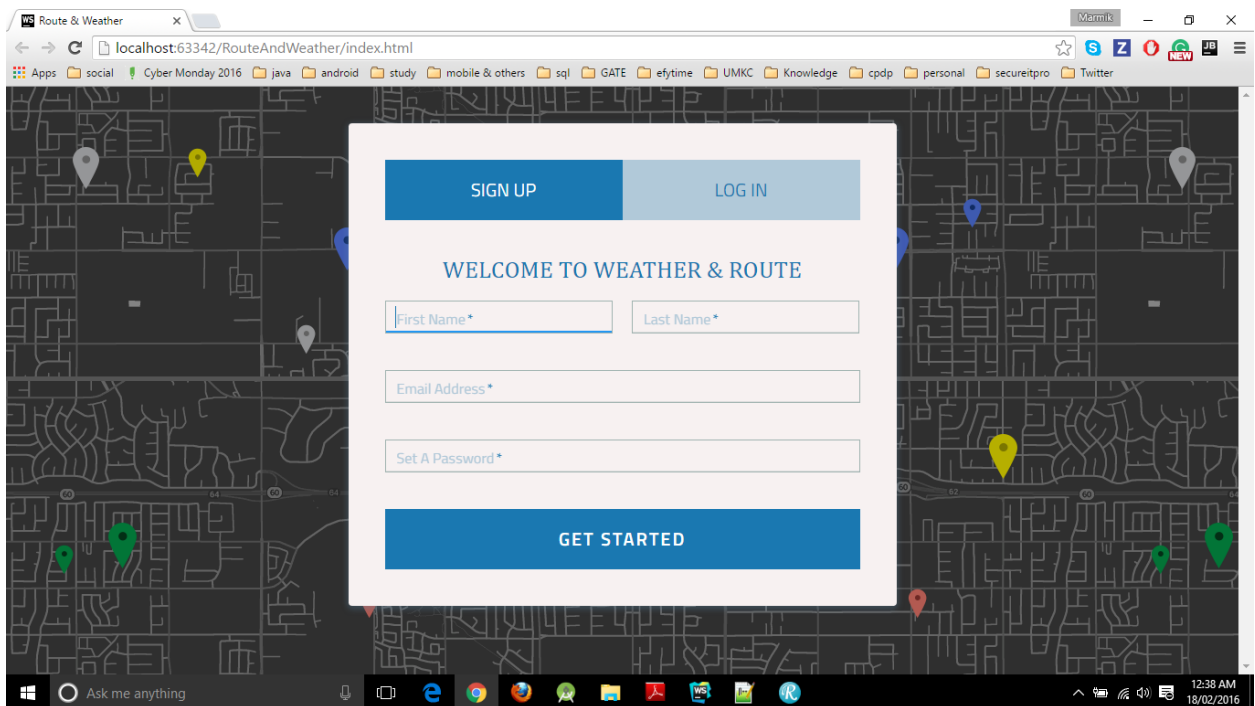
Purpose:

This web application demonstrate how to use google map API to find route between two places and how to use world weather online API to check weather between this two places. This also demonstrate use of local storage, bootstrap, angular JS to building dynamic application.

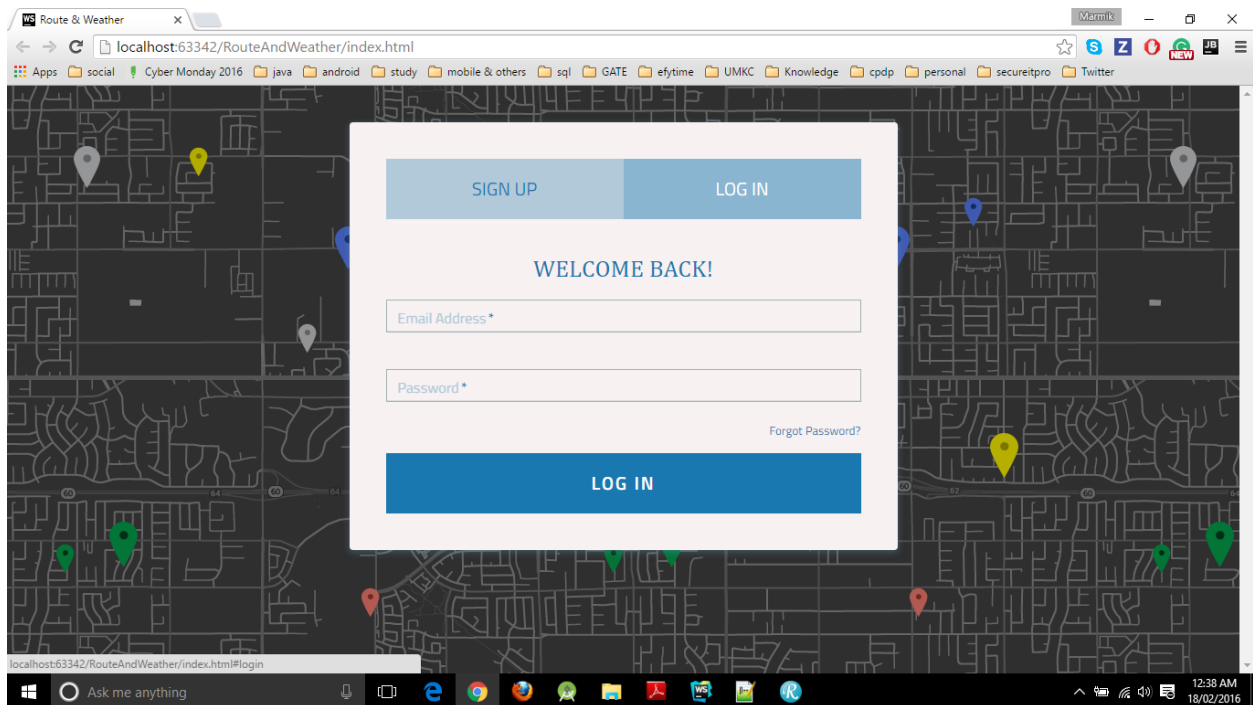
In sign up form user enters details which are stores in local storage and used to for future login. After sign up or login, in home page user select two places for finding route and weather at that places.

Here is the screenshot of web application.

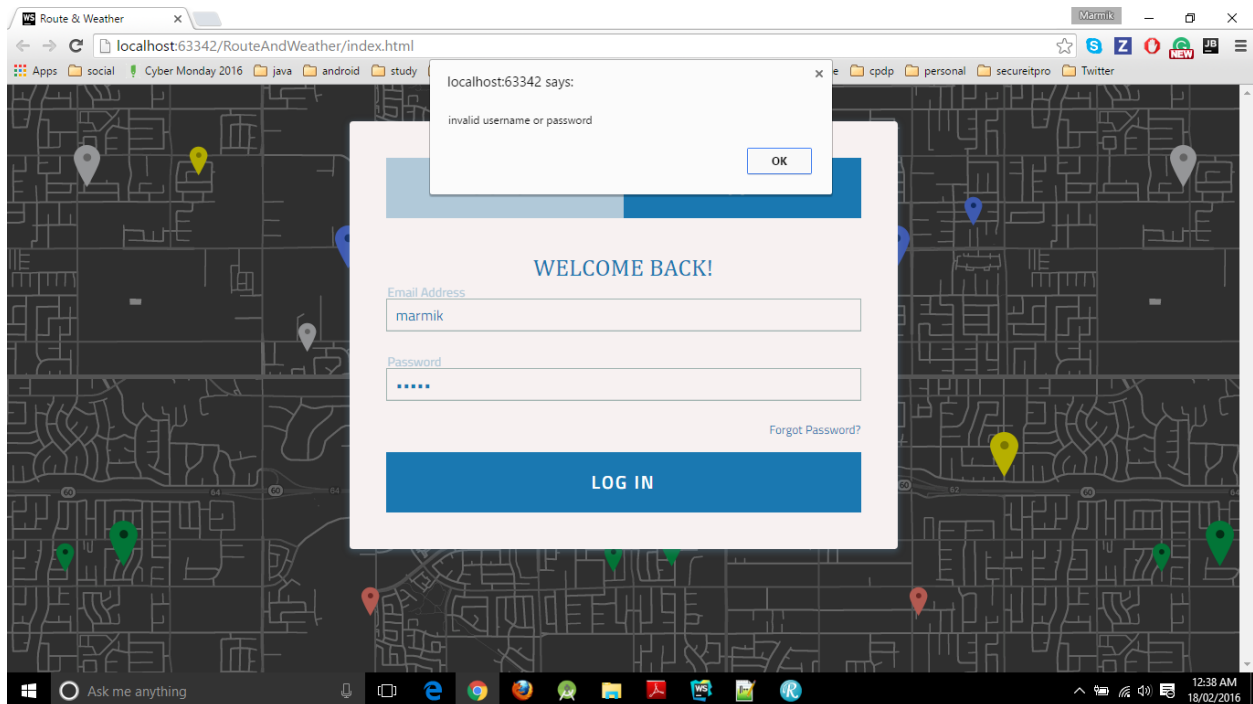
1. Sign Up Page :



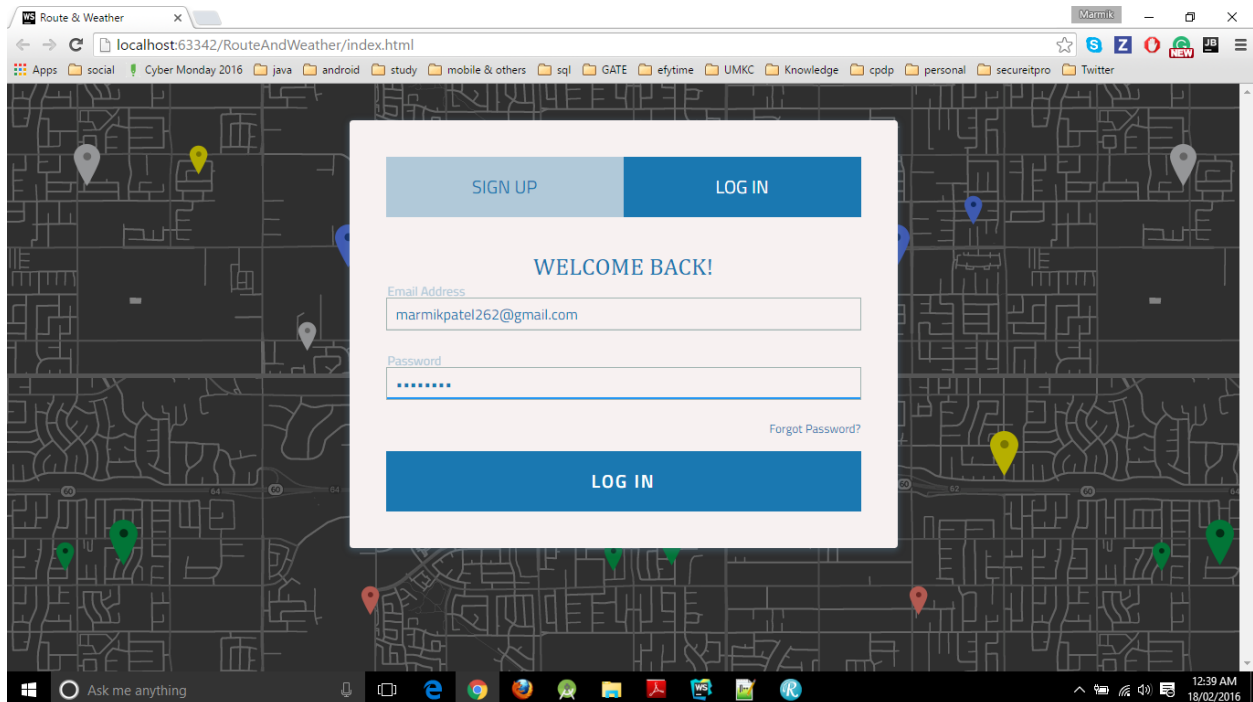
2. Login Page:



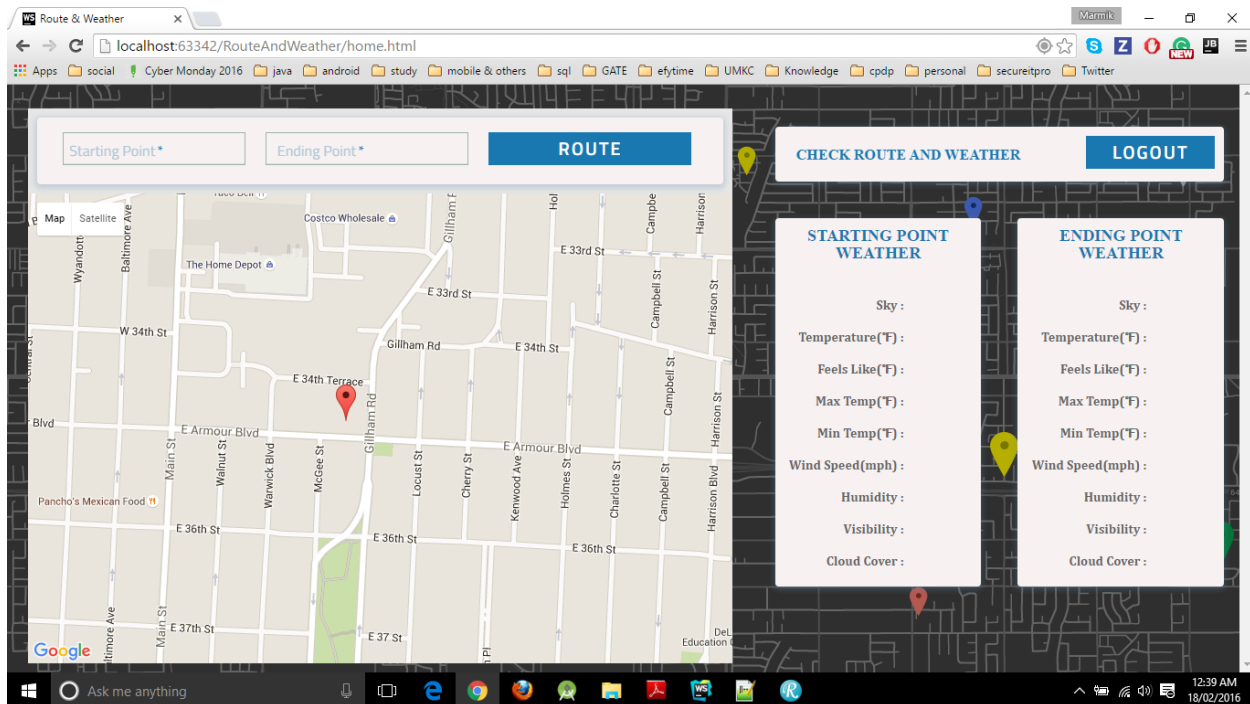
3. Alert on Invalid Username or Password (Localstorage Data)



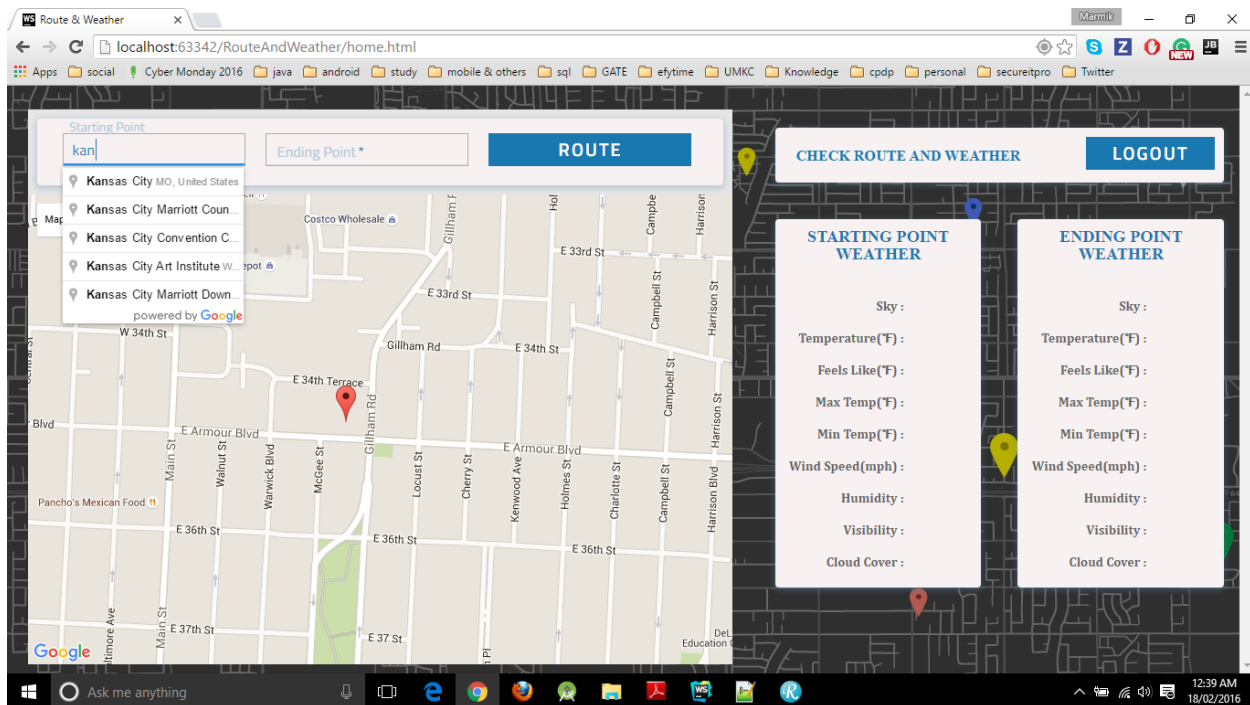
4. Valid Login and Password(Redirect to Next Page):



5. Home Page which shows Current Location:



6. Entering Starting Point (Google Autocomplete) :



7. On Selecting Starting Point Weather of that place is shown (ng-blur):

The screenshot shows a web browser window with the URL `localhost:63342/RouteAndWeather/home.html`. The application has a map on the left with a red pin at E 34th Terrace. The 'Starting Point' input field contains 'Kansas City, MO, United St'. The 'Ending Point' field is empty. A 'ROUTE' button is visible. On the right, there are two panels: 'STARTING POINT WEATHER' and 'ENDING POINT WEATHER'. The 'STARTING POINT WEATHER' panel shows a sunny sky icon and the following data:

| Starting Point Weather |
|------------------------|
| Sky : Sunny |
| Temperature(°F) : 63 |
| Feels Like(°F) : 63 |
| Max Temp(°F) : 107 |
| Min Temp(°F) : 70 |
| Wind Speed(mph) : 0 |
| Humidity : 34 |
| Visibility : 10 |
| Cloud Cover : 0 |

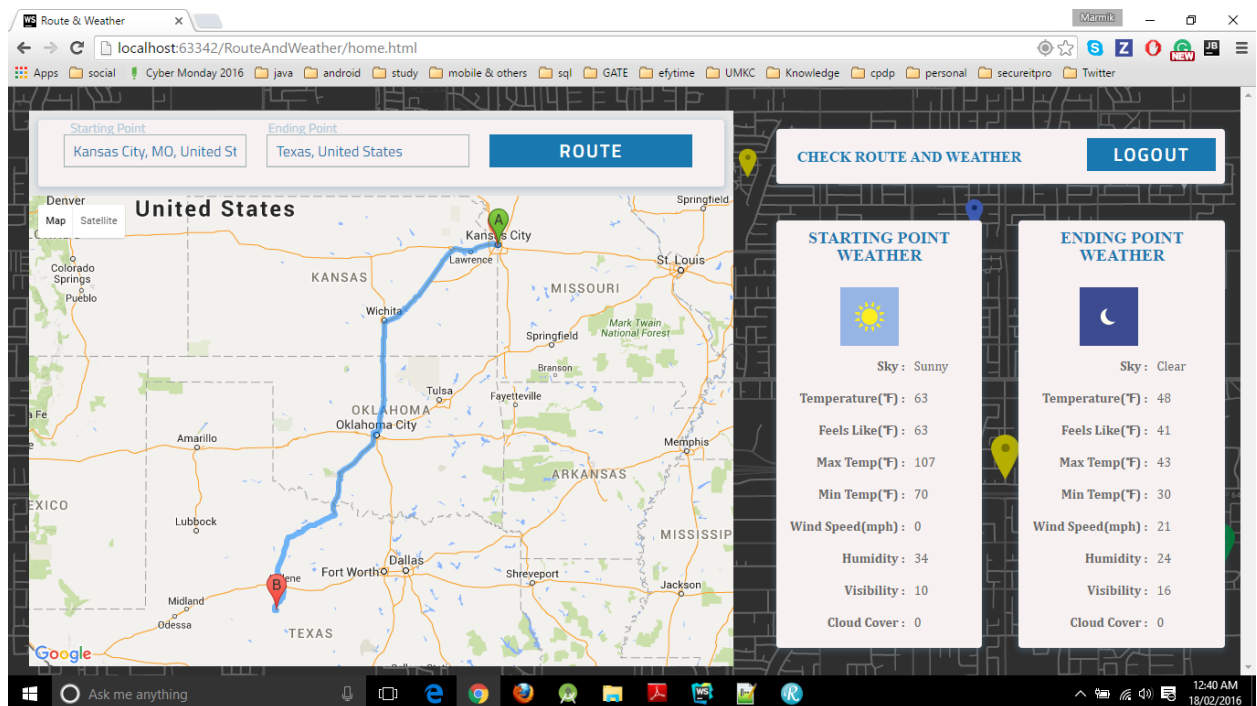
The 'ENDING POINT WEATHER' panel is currently empty.

8. On Selecting Ending Point Weather of that place is shown (ng-blur):

The screenshot shows the same web application as in the previous image, but the 'Ending Point' input field now contains 'Texas, United States'. The 'ROUTE' button is still visible. The 'STARTING POINT WEATHER' panel remains the same. The 'ENDING POINT WEATHER' panel now shows a clear night sky icon and the following data:

| Ending Point Weather |
|----------------------|
| Sky : Clear |
| Temperature(°F) : 48 |
| Feels Like(°F) : 41 |
| Max Temp(°F) : 43 |
| Min Temp(°F) : 30 |
| Wind Speed(mph) : 21 |
| Humidity : 24 |
| Visibility : 16 |
| Cloud Cover : 0 |

9. Route between two places (ng-click) :



References:

- <https://snazzymaps.com/style/83/muted-blue>
- <http://stackoverflow.com/questions/14201753/angular-js-how-when-to-use-ng-click-to-call-a-route>
- <http://bootsnipp.com/snippets/ypb01>
- <http://us.worldweatheronline.com/api/local-city-town-weather-api.aspx>
- <http://stackoverflow.com/questions/10594197/divide-content-area-into-two-columns>
- <https://gist.github.com/VictorBjelholm/6687484>
- <https://docs.angularjs.org/api/ng/directive/ngBlur>
- <https://jsfiddle.net/ragunandanrao/n3zhun66/>