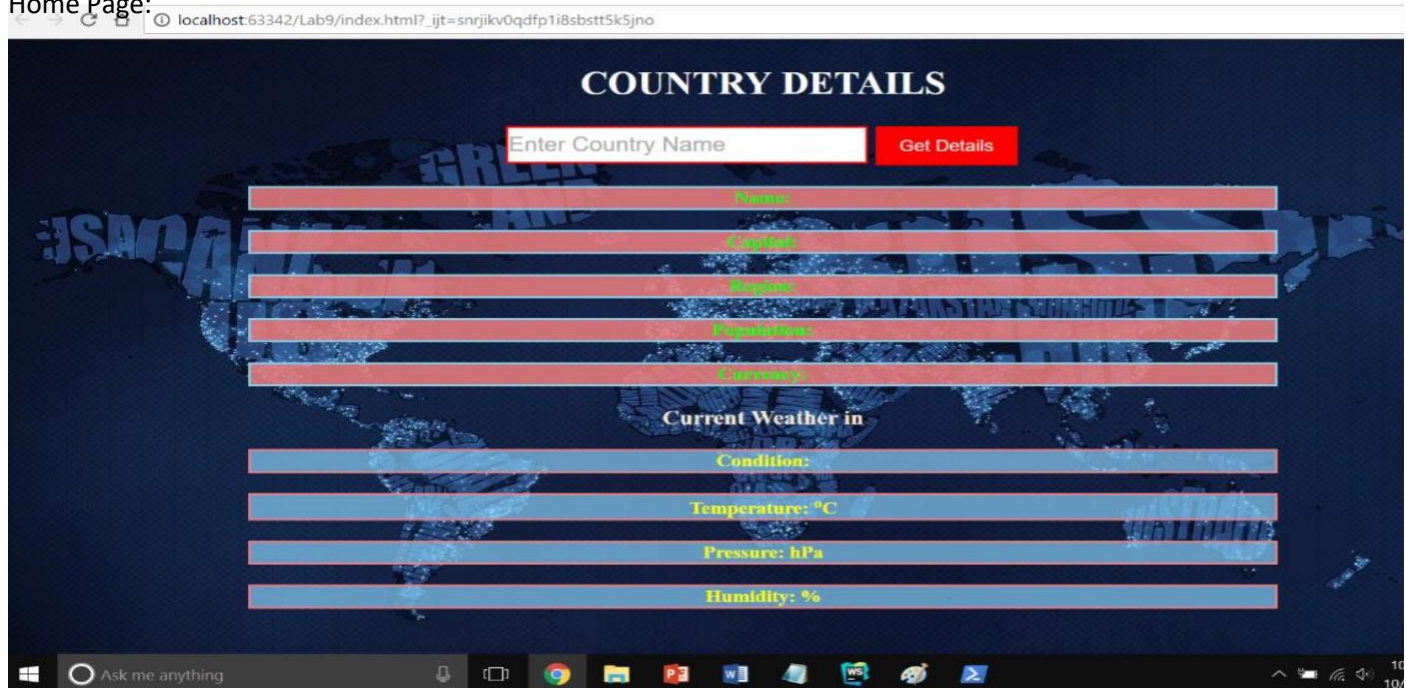


Mash up

Restcountries, OpenweatherMap

Screen Shots:

Home Page:



Enter Country Name: USA, Get Details:

```
{ "body": [{"name": "United States", "capital": "Washington, D.C.", "region": "Americas", "population": 321645000, "weather": "clear sky", "temp": 18.6, "press": 976.1, "humidity": 43, "currencies": "USD"}]}
```



Entered Country Name: Mexico, Get Details:

127.0.0.1:8081/getdata/ Country

localhost:63342/Lab9/index.html?_ijt=snrjiv0qdfp1i8sbstt5k5jno

COUNTRY DETAILS

mexico [Get Details](#)

Name: Mexico

Capital: Mexico City

Region: Americas

Population: 121740000

Currency: MXN

Current Weather in Mexico

Condition: broken clouds

Temperature: 13.5 °C

Pressure: 806.04 hPa

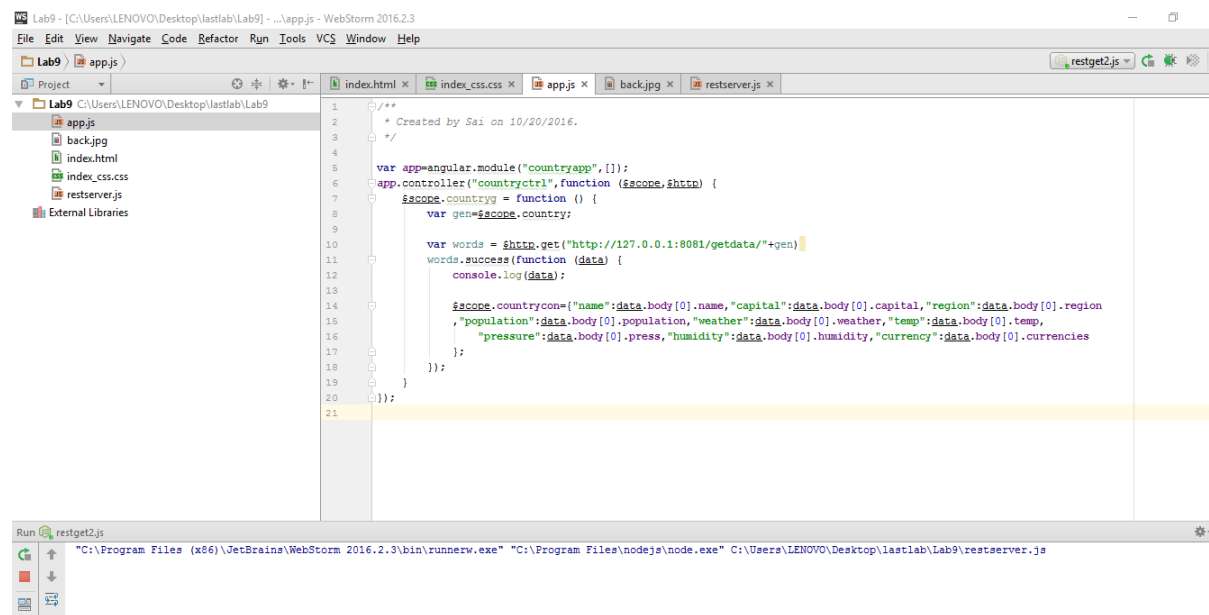
Humidity: 78 %

nothing

127.0.0.1:8081/getdata/mexico

```
{
  "body": [
    {
      "name": "Mexico",
      "capital": "Mexico City",
      "region": "Americas",
      "population": 121740000,
      "weather": "broken clouds",
      "temp": 13.5,
      "press": 806.04,
      "humidity": 78,
      "currencies": "MXN"
    }
  ]
}
```

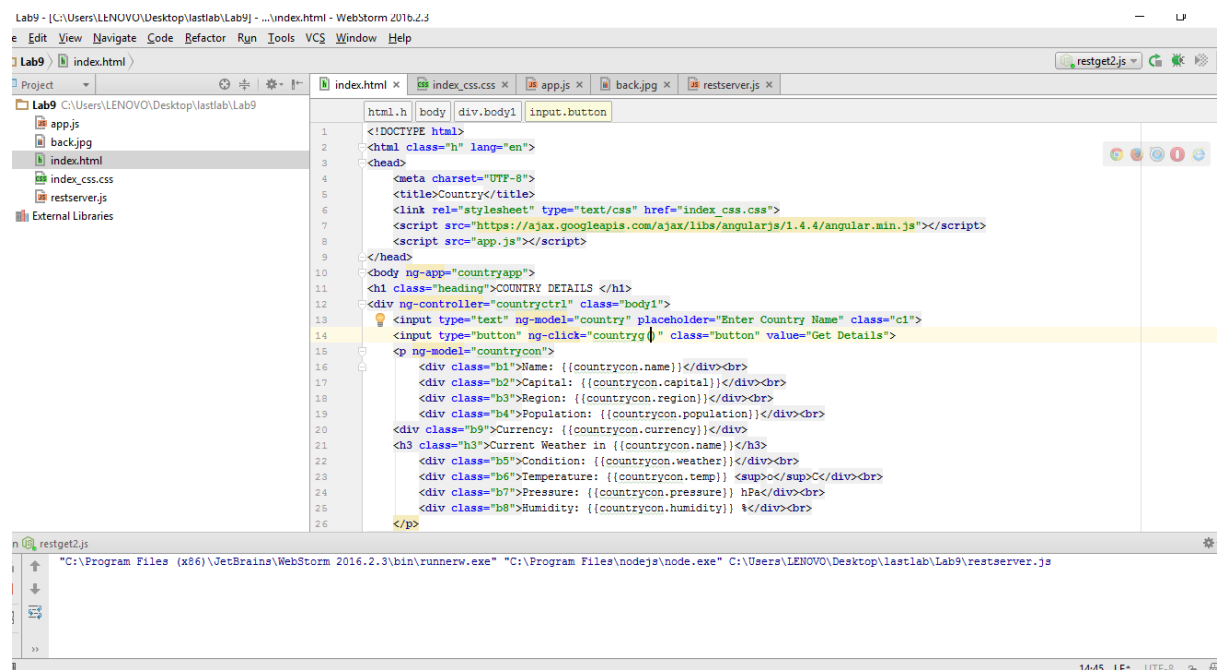
app.js



The screenshot shows the WebStorm IDE with the 'app.js' file open. The file contains an AngularJS application module named 'countryapp'. It includes a controller 'countryctrl' with a function '\$scope.country' that makes an HTTP GET request to 'http://127.0.0.1:8081/getdata/' + gen. The response is logged to the console and assigned to '\$scope.countrycon'. The controller also defines a function 'countrycon' that updates the scope with country details like name, capital, region, population, weather, temperature, pressure, and humidity.

```
1  /**
2   * Created by Sai on 10/20/2016.
3   */
4
5   var app=angular.module("countryapp", []);
6   app.controller("countryctrl",function ($scope,$http) {
7       $scope.country = function () {
8           var gen=$scope.country;
9
10          var words = $http.get("http://127.0.0.1:8081/getdata/"+gen)
11          words.success(function (data) {
12              console.log(data);
13
14              $scope.countrycon={"name":data.body[0].name,"capital":data.body[0].capital,"region":data.body[0].region
15              ,"population":data.body[0].population,"weather":data.body[0].weather,"temp":data.body[0].temp,
16              "pressure":data.body[0].press,"humidity":data.body[0].humidity,"currency":data.body[0].currencies
17              };
18          });
19      }
20  });
21
```

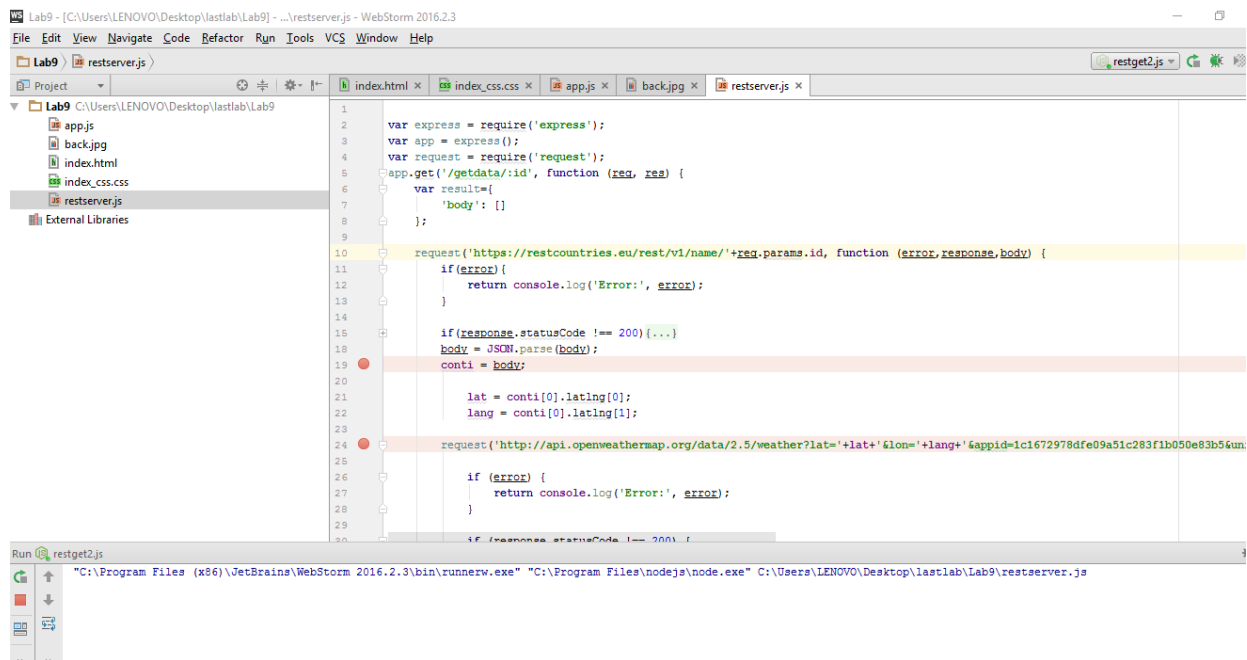
HTML:



The screenshot shows the WebStorm IDE with the 'index.html' file open. The HTML document is structured to display country details. It includes a form with a text input for the country name and a button to 'Get Details'. The form is bound to the 'country' property of the '\$scope' and the 'countrycon' function. The data is displayed in a series of divs with classes 'b1' through 'b8', each showing a different attribute of the selected country.

```
1  <!DOCTYPE html>
2  <html class="h" lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Country</title>
6      <link rel="stylesheet" type="text/css" href="index_css.css">
7      <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.4/angular.min.js"></script>
8      <script src="app.js"></script>
9  </head>
10 <body ng-app="countryapp">
11 <h1 class="heading">COUNTRY DETAILS </h1>
12 <div ng-controller="countryctrl" class="body1">
13     <input type="text" ng-model="country" placeholder="Enter Country Name" class="c1">
14     <input type="button" ng-click="countrycon" class="button" value="Get Details">
15     <div ng-model="countrycon">
16         <div class="b1">Name: {{countrycon.name}}</div><br>
17         <div class="b2">Capital: {{countrycon.capital}}</div><br>
18         <div class="b3">Region: {{countrycon.region}}</div><br>
19         <div class="b4">Population: {{countrycon.population}}</div><br>
20         <div class="b5">Currency: {{countrycon.currency}}</div>
21         <h3 class="b3">Current Weather in {{countrycon.name}}</h3>
22         <div class="b5">Condition: {{countrycon.weather}}</div><br>
23         <div class="b6">Temperature: {{countrycon.temp}}<sup>C</sup></div><br>
24         <div class="b7">Pressure: {{countrycon.pressure}} hPa</div><br>
25         <div class="b8">Humidity: {{countrycon.humidity}} %</div><br>
26     </div>
27 </body>
28 </html>
```

Rest Server:



Mash up:

