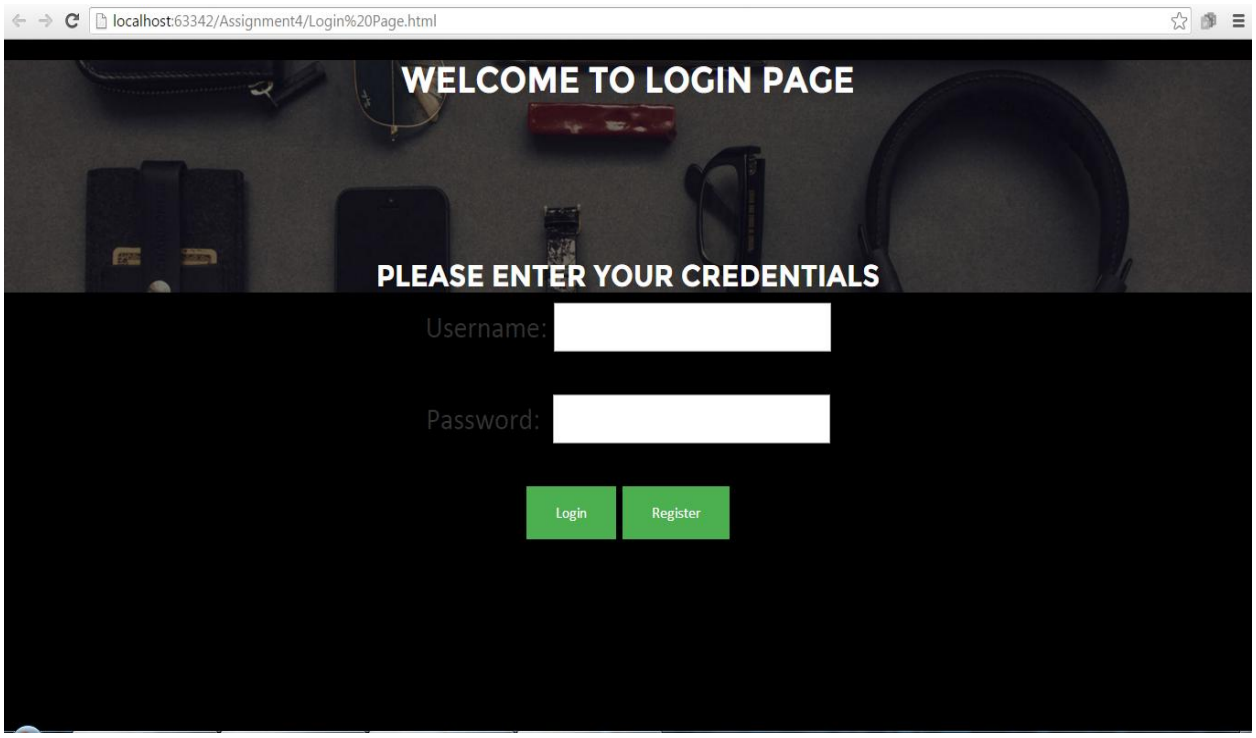
ASSIGNMENT 4

Login Page:

Creating a login page.



This login page contains:

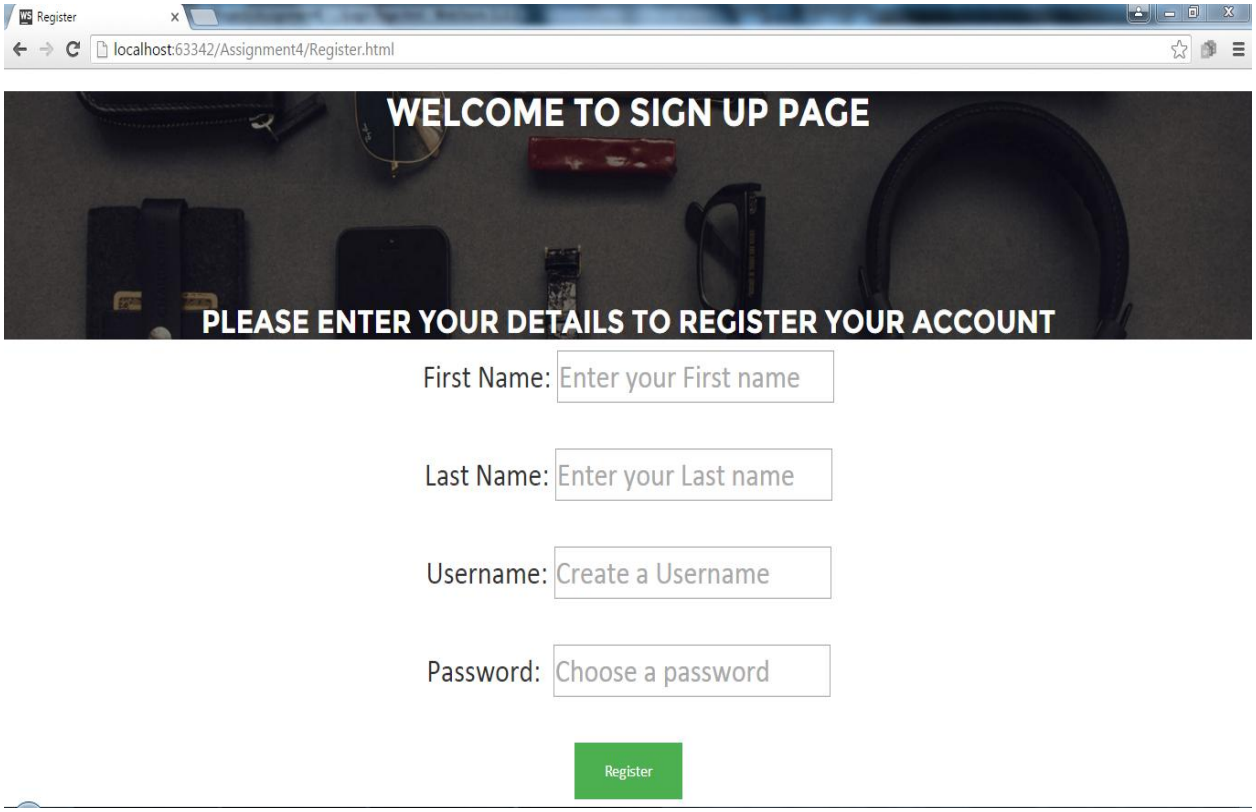
2 labels

2 text fields for username and password

2 buttons for Login and Register.

Register Page:

On clicking register in login page, register page appears.



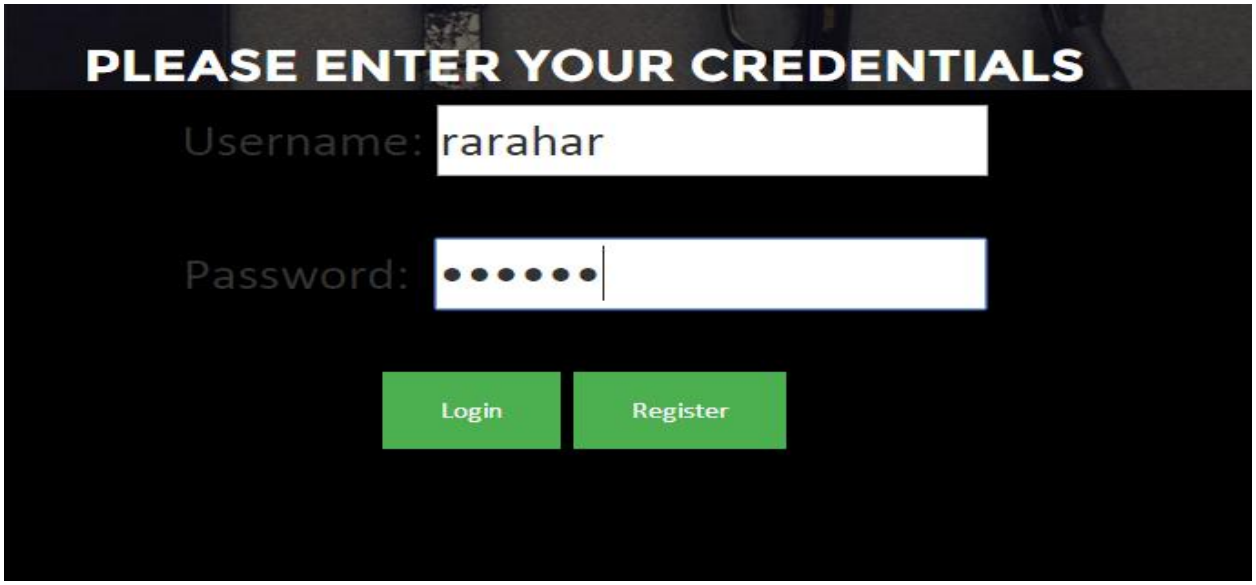
4 labels

4 text fields: Each for First name, last name, username, password

1Button: For Register

Home Page:

On successfyl login



A home page appears that shows

- 2 Text fields for source and destination and a button for results
- A map that gives directions from source to destination.
- A table which gives weather conditions in both the cities.

atlanta chicago Get Direction and weather

Weather

	Source	Destination
Location	Atlanta, US	Chicago, US
Temperature	41°F	24°F
Description	Sky is Clear	Sky is Clear
Pressure	995.32 mb	1005.21 mb
Wind Speed	3.21 mph	3.46 mph

The weather part gives temperature,pressure and windspeed,etc.

HTML Part:

```
<body style="background-color: lightgoldenrodyellow">

<div class="wrapp" ng-controller="Mapcontroller">
    <div class="row">
        <form ng-submit="showDirection()">
        <input type="text"  ng-model="fromlocation" id="fromlocation" placeholder="Source location"/>
        <input type="text"  ng-model="tolocation" id="tolocation" placeholder="Destination location"/>
        <button id="btn" ng-click="getfromData();gettoData()">
            Get Direction and weather
        </button>
            </form>
        <br/>

            <div id="map-canvas" style="height: 300px;"></div>

        <br/>


        <h1>Weather</h1>
        <table style="text-align: center;" cellpadding="5px" border="1px">

            <tr>
                <th></th>
                <th>Source</th>
                <th>Destination</th>
            </tr>
            <tr>
                <td>Location</td>
                <td><span id="result">{{ fromdata.data.name }}, {{ fromdata.data.sys.country }}</span></td>
                <td><span id="result">{{ todata.data.name }}, {{ todata.data.sys.country }}</span></td>
            </tr>

            <tr>
                <td>Temperature</td>
                <td><span id="result">{{ fromdata.data.main.temp | kelvinToFahrenheit | number: 0 }}&deg;F</span></td>
                <td><span id="result">{{ todata.data.main.temp | kelvinToFahrenheit | number: 0 }}&deg;F</span></td>
            </tr>
            <tr>
                <td>Description</td>
                <td><span id="result">{{ fromdata.data.weather[0].description }}</span></td>
                <td><span id="result">{{ todata.data.weather[0].description }}</span></td>
            </tr>
            <tr>
                <td>Pressure</td>
                <td><span id="result">{{ fromdata.data.main.pressure }} mb</span></td>
                <td><span id="result">{{ todata.data.main.pressure }} mb</span></td>
            </tr>
            <tr>
                <td>Wind Speed</td>
                <td><span id="result">{{ fromdata.data.wind.speed }} mph</span></td>
                <td><span id="result">{{ todata.data.wind.speed }} mph</span></td>
            </tr>
            </table>

        </div>
</div>
```

JS part:

```
<script>
    var app = angular.module('MapApp', [])
            app.controller('Mapcontroller', function ($scope , $http) {

                var map;
                var mapOptions;
                var directionsDisplay = new google.maps.DirectionsRenderer({
                    draggable: true
                });
                var directionsService = new google.maps.DirectionsService();

                $scope.getfromData = function () {
                    $http.get("http://api.openweathermap.org/data/2.5/weather?q=" + document.getElementById('fromlocation').value +
                            ",uk&appid=44db6a862fba0b067b1930da0d769e98")
                            .then(function (response) {
                                $scope.fromdata = response;
                            }, function (response) {
                                $scope.fromdata = "Something went wrong";
                            });}

                $scope.gettoData = function () {
                    $http.get("http://api.openweathermap.org/data/2.5/weather?q=" + document.getElementById('tolocation').value +
                            ",uk&appid=44db6a862fba0b067b1930da0d769e98")
                            .then(function (response) {
                                $scope.todata = response;
                            }, function (response) {
                                $scope.todata = "Something went wrong";
                            });
                }
```

```
    $scope.initialize = function () {
        var pos = new google.maps.LatLng(0, 0);
        var mapOptions = {
            zoom: 3,
            center: pos
        };

        map = new google.maps.Map(document.getElementById('map-canvas'),
                mapOptions);
    };
    $scope.showDirection = function () {
        var end = document.getElementById('tolocation').value;
        var start = document.getElementById('fromlocation').value;

        var request = {
            origin: start,
            destination: end,
            travelMode: google.maps.TravelMode.DRIVING
        };

        directionsService.route(request, function (response, status) {
            if (status == google.maps.DirectionsStatus.OK) {
                directionsDisplay.setMap(map);
                directionsDisplay.setDirections(response);
                console.log(status);
            }

        });
    };

    google.maps.event.addDomListener(window, 'load', $scope.initialize);
```

```
            google.maps.event.addDomListener(window, 'load', $scope.initialize);

        });
app.filter('kelvinToFahrenheit', function() {
    return function(kelvin) {
        return (parseFloat(kelvin) - 273.15) * 1.80 + 32.00;
    };
});
 </script>
```