Workshop 3 – AngularJS Application

Topics:

1. Using tools
2. Create Angular application

Demo:

1. Create new project in WebStorm('angularhr');
2. Copy from GitHub project from the folder 'day2-files' the following files: 'bower.json', 'Gruntfile.js' and 'package.json';
3. Run from CMD(inside the project folder) the following commands:
   - 'npm install'
   - 'bower install'
4. Create file 'index.html';
5. Create folder 'scripts';
6. Create folder 'templates';
7. File 'index.html' should have the following content:

```html
<!DOCTYPE html>

<html ng-app="hrApp">

<head>

    <meta charset="UTF-8">

    <title>HR APP</title>

    <link rel="stylesheet" type="text/css"
href="bower_components/bootstrap/dist/css/bootstrap.css"/>

    <link rel="stylesheet" type="text/css"
href="bower_components/bootstrap/dist/css/bootstrap-theme.css"/>

</head>

<body>

<div ng-include="'templates/menu.html'"></div>

<div ng-view></div>

<script type="text/javascript"
src="bower_components/jquery/jquery.js"></script>
```

```
            <script type="text/javascript"
            src="bower_components/bootstrap/dist/js/bootstrap.js"></script>

            <script type="text/javascript"
            src="bower_components/angular/angular.js"></script>

            <script type="text/javascript" src="bower_components/angular-
            resource/angular-resource.js"></script>

            <script type="text/javascript" src="bower_components/angular-
            route/angular-route.js"></script>

            </body>

            </html>
```

8. Inside 'templates' folder create 'menu.html':
    ```html
    <nav class="navbar navbar-default" role="navigation" ng-controller="MenuController">
      <div class="container-fluid">
        <div class="navbar-header">
          <button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
              data-target="#bs-example-navbar-collapse-1">
            <span class="sr-only">Toggle navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
          </button>
          <a class="navbar-brand">Menu</a>
        </div>
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
          <ul class="nav navbar-nav">
            <li><a href="#">Home</a></li>
          </ul>
          <ul class="nav navbar-nav navbar-right">
            <li><a>Date: {{currentDate | date:'dd-MM-yyyy'}}</a></li>
          </ul>
        </div>
      </div>
    </nav>
    ```
9. Inside 'scripts' folder create 'controllers' folder;
10. Create 'MenuController.js' in 'scripts/controllers':
    ```javascript
    hrApp.controller('MenuController', ['$scope', function($scope){
      $scope.currentDate = new Date();
    }]);
    ```
11. In folder 'scripts' create 'app.js' file(we define the AngularJS application):

    ```javascript
    var hrApp = angular.module('hrApp', ['ngRoute', 'ngResource']);
    ```

12. Add inside 'app.js'(configure default route):
    ```javascript
    hrApp.config(['$routeProvider',
    ```

```
        function($routeProvider) {
          $routeProvider
            .otherwise({
                templateUrl: 'templates/main.html',
                controller: 'MainController'
            });
        }]);
```

13. Create 'main.html' in folder 'templates':

```html
<div class="container">
    <div class="jumbotron" ng-show="descriptionShow">
      <h1>{{title}}</h1>
      <p class="lead">
        A simple demo application.
      </p>
      <p class="lead">
        In this application we will use AngularJS framework.
      </p>
    </div>
    <p>
      <a class="btn btn-primary btn-lg" role="button" ng-click="toggleDescriptionShow()">Show/Hide Description</a>
    </p>
</div>
```

14. Create 'MainController.js' in folder 'scripts/controllers':

```js
hrApp.controller('MainController', ['$scope', function($scope) {
    $scope.title = 'HR Application';
    $scope.descriptionShow = true;
    $scope.toggleDescriptionShow = function() {
      if($scope.descriptionShow == true) {
        $scope.descriptionShow = false;
      } else {
        $scope.descriptionShow = true;
      }
    };
}]);
```

15. Load your JS scripts in your application…..
16. Run in CMD: 'grunt server'

Exercises:

1. Create a new AngularJs route '/contactus': show on this page a heading and a description.
2. Use the directive 'ng-hide' to show/hide the description;