1. Add a app.module.js file inside the app directory

--ELearnz

----bower\_components

----bower.json

----index.html

----app

------module.js

--components(this directory will contain all the modules)

-----basic(basic module directory to load static pages)

----- BasicServices.js

------BasicController.js

-------home.html

-----app.route.js

1. Type the following code inside the app.module.js file:

var app=angular.module("CollaborationApp",

[

'ngRoute',

'BasicModule'

]

);

1. Open index.html page and type the following code:

<html lang="en" ng-app="CollaborationApp">

<head>

<title></title>

<!-- Loading the angular library -->

<script src="./bower\_components/angular/angular.js"></script>

<script src="./bower\_components/angular-route/angular-route.js"></script>

<!-- Loading the main module -->

<script src="./app/app.module.js"></script>

<script src="./app/app.route.js"></script>

<script src="./app/components/basic/BasicServices.js"></script>

<script src="./app/components/basic/BasicController.js"></script>

</head>

<body>

<div ng-view></div>

</div>

</body>

</html>

1. Create “components” folder inside the app folder and add another folder “basic” and make files BasicController.js, BasicController.js, home.html.
2. Open BasicController.js and type the following code:

BasicModule.controller('BasicController',['BasicService','$scope', function(BasicService,$scope){

var me=this;

//me.greeting='This message is comming from angular controller';

//if it resolve from backend then only the value would be assigned to this variable

BasicService.getGreeting().then(

function(greeting){

me.greeting=greeting;

},

function(error){

console.log(error);

}

);

}

]

);

1. Open BasicServices.js and type the following code:

var BasicModule=angular.module('BasicModule',[

]

);

BasicModule.service('BasicService',['$http','$q','REST\_URI',function($http,$q,REST\_URI){

this.getGreeting=function(){

//get the defer object

var deffered=$q.defer();

$http.get(REST\_URI+'/greeting')

.then(

//success callback function

function(response){

deffered.resolve(response.data.responseMessage);

},

//error callback

function(error){

deffered.reject(error);

}

);

return deffered.promise;

}

}

]

);

1. Add angular-route module and create an app.route.js file inside the app folder and add following code:

window.routes={

"/home":{

templateUrl:'app/components/basic/home.html',

controller: 'BasicController',

controllerAs: 'basicCtrl',

requiredLogin:'false',

roles:['GUSET','ADMIN','STAFF','STUDENT']

},

"/about":{

templateUrl:'app/components/basic/about.html',

controller: 'BasicController',

controllerAs: 'basicCtrl',

requiredLogin:'false',

roles:['GUSET','ADMIN','STAFF','STUDENT']

},

"/login":{

templateUrl:'app/components/authentication/login.html',

controller: 'AuthenticationController',

controllerAs: 'authCtrl',

requiredLogin:'false',

roles:['GUSET','ADMIN','STAFF','STUDENT']

}

};

//specify the the backend url from where you are going to get the values

app.constant('REST\_URI','http://localhost:8080/Online-Collaborate');

app.config(['$routeProvider',function($routeProvider){

for (var path in window.routes){

$routeProvider.when(path,window.routes[path]);

}

$routeProvider.otherwise({redirectTo:'/login'});

}]);

1. Open home.html and type the following code:

<div >

{{basicCtrl.greeting}}

</div>

1. Open Eclipse and open the greeting app and create a package named “filter” and create a filter class named “CORSFilter” and add following code inside the doFilter() before chain.doFilter() method.

HttpServletResponse resp=(HttpServletResponse)response;

resp.setHeader("Access-Control-Allow-Origin", "\*");

resp.setHeader("Access-Control-Allow-Methods", "POST,GET, PUT,OPTIONS,DELETE");

resp.setHeader("Access-Control-Max-Age", "3600");

resp.setHeader("Access-Control-Allow-Headers", "X-requested-with,Content-Type");

1. Open the pom.xml file add dependencies of Jackson. As following:

<jackson.version>2.8.7</jackson.version>

<!-- JACKSON -->

<dependency>

<groupId>com.fasterxml.jackson.core</groupId>

<artifactId>jackson-core</artifactId>

<version>${jackson.version}</version>

</dependency>

<dependency>

<groupId>com.fasterxml.jackson.core</groupId>

<artifactId>jackson-databind</artifactId>

<version>${jackson.version}</version>

</dependency>

<dependency>

<groupId>com.fasterxml.jackson.core</groupId>

<artifactId>jackson-annotations</artifactId>

<version>${jackson.version}</version>

</dependency>

1. Open postmaster and paste the url <http://localhost:8080/Online-Collaborate/greeting> and test whether the backend project is running. If all ok then will get following out put.

{"responseCode":200,"responseMessage":"Welcome from spring RestController"}

1. Run Web Server and run the frontend project.