Assignmet-6

Weather API:

{"coord":{"lon":-0.13,"lat":51.51},"weather":[{"id":500,"main":"Rain","description":"light rain","icon":"10n"}],"base":"stations","main":
{"temp":277.48,"pressure":1003,"humidity":75,"temp_min":276.15,"temp_max":278.55},"visibility":10000,"wind":{"speed":8.2,"deg":330,"gust":13.9},"rain":{"1h":0.3},"clouds":
{"all":92},"dt":1456984695,"sys":{"type":1,"id":5091,"message":0.0431,"country":"GB","sunrise":1456987202,"sunset":1457027126},"id":2643743,"name":"London","cod":200}

Restaurant API:

{"meta":{"code":200,"requestId":"56d7d0a6498e799610fb780a"},"response":{"venues":[{"id":"4db384900437fa536a178435","name":"Donut King","contact":
{"phone":"4721412","formattedPhone":"4721412"},"location":{"address":"2320 Armour Rd","lat":39.14656943721392,"lng":-94.55496537927475,"postalCode":"64116","cc":"US","city":"North Kansas
City","state":"MO","country":"United States","formattedAddress":["2320 Armour Rd","North Kansas City, MO 64116","United States"]},"categories":[{"id":"4bf58dd8d48988d148941735","name":"Donut
Shop","pluralName":"Donut Shops","shortName":"Donuts","icon":{"prefix":"https:\/\/ss3.4sqi.net\/img\/categories_v2\/food\/donuts_","suffix":".png"},"primary":true}],"verified":false,"stats":
{"checkinsCount":782,"usersCount":348,"tipCount":19},"url":"http:\/\/donutkingkc.com","hasMenu":true,"menu":{"type":"Menu","label":"Menu","anchor":"View
Menu","url":"https:\/\/foursquare.com\/v\/donut-
king\/4db384900437fa536a178435\/menu","mobileUrl":"https:\/\/foursquare.com\/v\/4db384900437fa536a178435\/device_menu"},"allowMenuUrlEdit":true,"specials":{"count":0,"items":[]},"hereNow":
{"count":0,"summary":"Nobody here","groups":[]},"referralId":"v-1456984230","venueChains":[]},{"id":"4ccac8619b934688fea65041","name":"Oz's MAQ Donut House","contact":
{"phone":"9133810425","formattedPhone":"(913) 381-0425"},"location":{"address":"3615 W 95th St","lat":38.95649470519246,"lng":-94.62789774618668,"postalCode":"66206","cc":"US","city":"Overland
Park","state":"KS","country":"United States","formattedAddress":["3615 W 95th St","Overland Park, KS 66206","United States"]},"categories":[{"id":"4bf58dd8d48988d148941735","name":"Donut
Shop","pluralName":"Donut Shops","shortName":"Donuts","icon":{"prefix":"https:\/\/ss3.4sqi.net\/img\/categories_v2\/food\/donuts_","suffix":".png"},"primary":true}],"verified":false,"stats":
{"checkinsCount":71,"usersCount":37,"tipCount":3},"allowMenuUrlEdit":true,"specials":{"count":0,"items":[]},"hereNow":{"count":0,"summary":"Nobody here","groups":[]},"referralId":"v-
1456984230","venueChains":[]},{"id":"4b30db18f964a5202efc24e3","name":"Donut King","contact":{"phone":"8164522012","formattedPhone":"(816) 452-2012"},"location":{"address":"3913 N Chouteau
Trfy","lat":39.16462436666665,"lng":-94.53197891666667,"cc":"US","city":"Kansas City","state":"MO","country":"United States","formattedAddress":["3913 N Chouteau Trfy","Kansas City, MO","United
States"]},"categories":[{"id":"4bf58dd8d48988d148941735","name":"Donut Shop","pluralName":"Donut Shops","shortName":"Donuts","icon":
{"prefix":"https:\/\/ss3.4sqi.net\/img\/categories_v2\/food\/donuts_","suffix":".png"},"primary":true}],"verified":false,"stats":
{"checkinsCount":107,"usersCount":27,"tipCount":5},"allowMenuUrlEdit":true,"specials":{"count":0,"items":[]},"hereNow":{"count":0,"summary":"Nobody here","groups":[]},"referralId":"v-
1456984230","venueChains":[]},{"id":"52f67f55498ea486e433e29e","name":"Joe's Downtown Donuts & Coffee","contact":{"phone":"8164748000","formattedPhone":"(816) 474-8000"},"location":{"address":"641
Grand Blvd","lat":39.105663392349314,"lng":-94.58029487240042,"postalCode":"64106","cc":"US","city":"Kansas City","state":"MO","country":"United States","formattedAddress":["641 Grand
Blvd","Kansas City, MO 64106","United States"]},"categories":[{"id":"4bf58dd8d48988d148941735","name":"Donut Shop","pluralName":"Donut Shops","shortName":"Donuts","icon":
{"prefix":"https:\/\/ss3.4sqi.net\/img\/categories_v2\/food\/donuts_","suffix":".png"},"primary":true}],"verified":false,"stats":
{"checkinsCount":36,"usersCount":29,"tipCount":3},"url":"http:\/\/joesdowntowndonuts.com","allowMenuUrlEdit":true,"specials":{"count":0,"items":[]},"hereNow":{"count":0,"summary":"Nobody
here","groups":[]},"referralId":"v-1456984230","venueChains":[]},{"id":"4ee232b28231cd14a2f1019d","name":"The Donut Hole","contact":{},"location":
{"lat":39.20483,"lng":-94.61964,"postalCode":"64151","cc":"US","city":"Webb City","state":"MO","country":"United States","formattedAddress":["Webb City, MO 64151","United States"]},"categories":
[{"id":"4bf58dd8d48988d148941735","name":"Donut Shop","pluralName":"Donut Shops","shortName":"Donuts","icon":
{"prefix":"https:\/\/ss3.4sqi.net\/img\/categories_v2\/food\/donuts_","suffix":".png"},"primary":true}],"verified":false,"stats":
{"checkinsCount":0,"usersCount":0,"tipCount":0},"allowMenuUrlEdit":true,"specials":{"count":0,"items":[]},"hereNow":{"count":0,"summary":"Nobody here","groups":[]},"referralId":"v-
1456984230","venueChains":[]}],"geocode":{"what":"","where":"kansas city","feature":{"cc":"US","name":"Kansas City","displayName":"Kansas City, MO, United States","matchedName":"Kansas City, MO,
United States","highlightedName":"Kansas City, MO, United States","woeType":7,"slug":"kansas-city-missouri","id":"geonameid:4393217","longId":"72057594042321153","geometry":{"center":
{"lat":39.09973,"lng":-94.57857},"bounds":{"ne":{"lat":39.356662,"lng":-94.385522},"sw":{"lat":38.824259,"lng":-94.765917}}}},"parents":[]}}}

Junit Test case:

```java
 5 import org.junit.Test;
 6
 7 import edu.umkc.service.RestaurantService;
 8 import edu.umkc.service.WeatherService;
 9
10 public class ServiceTest {
11
12     @Test
13     public void weatherTest() throws Exception{
14         WeatherService weather = new WeatherService();
15         Response s = weather.getWeather("london");
16         System.out.println("The Weather Service is executed successfully-------"+Response.status(200).entity(s
17     }
18
19     @Test
20     public void restaurantTest() throws Exception{
21         RestaurantService restaurantService = new RestaurantService();
22         Response resp = restaurantService.getRestaurants("donut");
23         System.out.println("The Restaurant Service is executed successfully-------"+Response.status(200).entit
24     }
25 }
26
```

Markers   Properties   Servers   Data Source Explorer   Snippets   Problems   **Console**   JUnit

`<terminated> ServiceTest [JUnit] C:\Program Files\Java\jdk1.7.0_02\jre\bin\javaw.exe (Mar 2, 2016, 11:48:51 PM)`

```
The Restaurant Service is executed successfully-------org.apache.cxf.jaxrs.impl.ResponseImpl@76f90793
The Weather Service is executed successfully-------org.apache.cxf.jaxrs.impl.ResponseImpl@35282bf2
```