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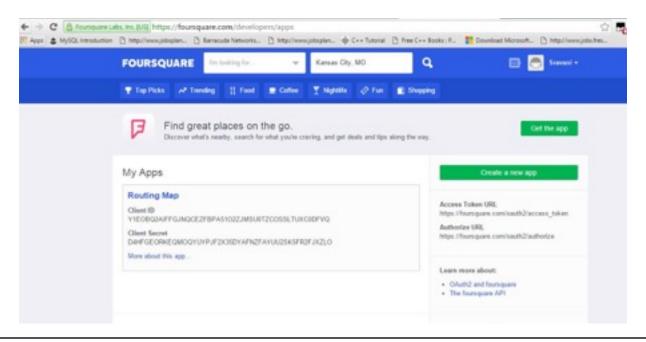
Class ID : 34 Date : 2nd Mar 2016

## **About Application**

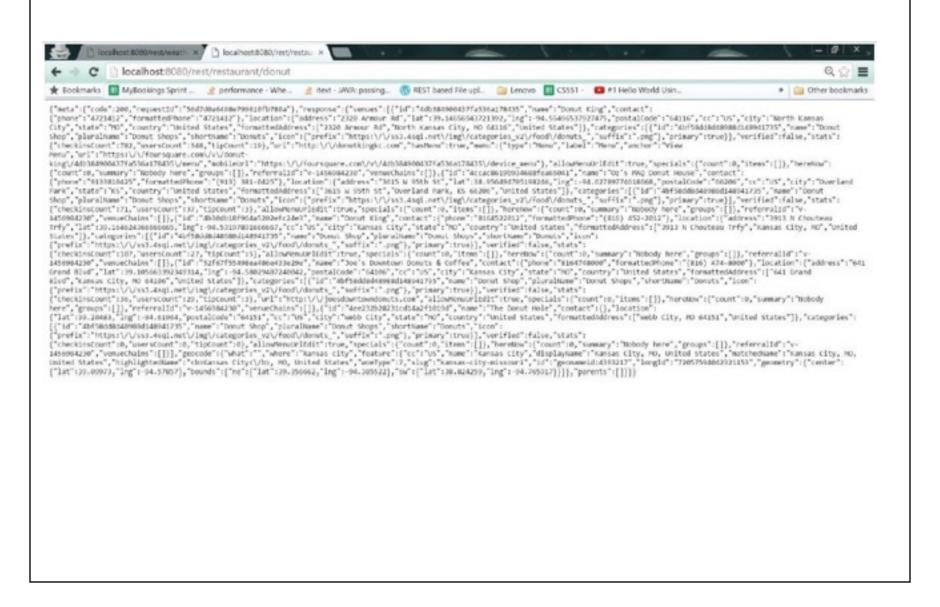
In this project we provide details about restaurants and weather in a given location using Foursquare API. Main aim is integrating these two services in a single servlet using REST(Representational State Transfer) services. And also for the developed services we have used Junit testing to know the working result of the application. For this we used the tools Eclipse and Apache Tomcat Server.

## **Application Steps:**

<u>Step: 1 Foursquare ID creation:</u> To use Foursquare API services we initially create a client ID and client secret by creating an account in the website to get the information for restaurants.



<u>Step: 2 Foursquare Details about Restaurant:</u> In this we get all the details related to restaurants from Foursquare API in the following format.



Step: 3 OpenWeather API ID creation: To use OpenWeather API services we initially create a API key by creating an account in the website to get the information for weather. ← → C home.openweathermap.org 🖽 Apps ಿ MySQL Introduction 🕑 http://www.jobsplan... 🕒 Barracuda Netvorks... 🕒 http://www.jobsplan... 🐵 C++ Tutonial 🕒 Free C++ Books : P... 📑 Download Microsoft... 🕒 http://www.jobs.fres. OpenWeatherMap Map editor Setup My Weather Stations My Services My Payments Billing plans Username Sravani murakondasravani64@gmail.com Full name Save 4abfba92c8f67fbedd1c22d789206dc8 API key Report APPID Password Confirm Password Change Password

Step: 4 OpenWeather Details about weather: In this we get all the details related to restaurants from Foursquare API in the following format. | localhost 6060/rest/weath × | | localhost 6060/rest/reste: × calhost:8080/rest/weather/londo Q O 🛊 Bookmarks 🔳 MyBookings Sprint ... 🎐 performance - Whe... 🎐 Rest - JAW: passing... 😗 REST based Rile upl... 👛 Lenovo 🔝 CSSS1 - 🚾 #1 Hello World Usin... Other bookmarks {"coord":{"loo": 0.13,"lat":51.51}, "weather":[{"id":500, "main": "Rain", "description":"light rain", "icoo":"lon"}], "base": "stations", "main":
{"temp":277.48, "pressure":1003, "humidity":75, "temp\_min":270.15, "temp\_max":270.55}, "visibility":10000, "wind":{"speed":8.2, "deg":330, "gust":13.0), "rain":{"ih":0.3}, "clouds":
{"all":92}, "dt":1455084605, "sys":{"type":1, "id":5091, "mase":0.0431, "country":"08", "suerise":1450987202, "sunset":1457027126}, "id":2643743, "name": "London", "cod":200)

Step: 5 Junit Test: After developing the application for each service done the Junit testing. For each section that is weatherTest() and restaurantTest(). 10 public class ServiceTest { 11 120 @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( 17 18 190 @Test public void restaurantTest() throws Exception{ 20 RestaurantService restaurantService - new RestaurantService(); 21 22 Response resp = restaurantService.getRestaurants("donut"); System.out.println("The Restaurant Service is executed successfully-----"+Response.status(200).entit 23 24 25 1 26 Markers □ Properties ■ Servers ※ Data Source Explorer ▷ Snippets ※ Problems □ Console は ※ 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