

## **Web Service Read Me:**

The web service code file is com.example.rest.zip. We have removed the username and password for RDS instance. We have hosted the web service on the EC2 machine. All the calls to the web service are written in the android application code. Below are the links to test the results from my web service if you don't want to run android application and test the web application directly.

<http://finalrestapi-env.elasticbeanstalk.com/mywebservice/signup?email=&password=&username=>

<http://finalrestapi-env.elasticbeanstalk.com/mywebservice/signup?email=&password=&isfacebook=true/false>

<http://finalrestapi-env.elasticbeanstalk.com/mywebservice/getelasticdeals?location=40.6431880,-74.0084290&radius=20&page=2&keyword=>

<http://finalrestapi-env.elasticbeanstalk.com/mywebservice/getelasticdealsbycategory?category=categor&location=40.6431880,-74.0084290&radius=20&page=2>

## **Crone Job Read Me:**

The crone job code code is elasticsearch.zip. You can run this on local host by making your own elastic search and passing its address.

## **Database:**

We are attaching cloudlogin\_2015-1-25.sql. This is an SQL dump file for saving credentials.

Android Read me :

Android application consists of Activities and Fragments. When the application is opened **MainActivity** is seen. MainActivity contain all views for login and registration. When clicked on Signup Button at the bottom a new Activity '**RegistartionActivity**' is called. This activity gets all the information for registering the user. Once the user has signed up successfully or have logged in successfully. The application brings up **MainScreen** activity. This Activity is the holder of all the fragments which show all the information. Fragments are used in the application so as that it could be easily be reused for creating application for larger screens. Following are important fragments and its functionality

**Category** : This fragment is used to show list of all the categories.

**DealsFragment**: Holds local deals.

**MapFrgament:** Holds google map, textbox and seekbar to get information from user about radius, location and keyword to search.

**MapDealFragment :** Holds all the deals resulting from the information provided by the user about location, keyword and radius

**Profile:** Holds profile management information.

**WebFragment:** It is used to bring up webview of the deal.

**EventFragment:** It is used to notify the user of new deals on moving 100m.

Apart from the fragments and Activities there are adapters that binds data of the list with the respective views. There are couple of adapters namely **CategoryAdapter**, **CategoryDealsAdapater**, **DealAdapater**, **EventAdapter**, **MerchantDealsAdapter**, **NavigationDrawerAdapter**, **SpinnerAdapter**.

In Addition to the adapters there are some classes like **MyGCMLListenerService**, **RegistrationIntentService**, **MyInstanceIdListenerService** and **QuickStartPreferences** which is used to intergrate google cloud messaging service in the application.

Moreover, there are model classes like **CategoryDealHolder**, **DealHolder**, **DealQuery**, **GenericClass** and **Test** for holding data which is received from the server.

Last but not the least, **Network.java** class in used to make Network calls to the server to fetch the data.

Note :

LoganSquare library is used to parse JSON data

Volley Library is used to make HTTP calls.

GooglePlayServices library is used to get google play services.

FacebookSDK is used to integrate login with Facebook

CircularImageView library is used to get circularImage

