Integrando Web Services a nuestra aplicación

Como se explica en el curso en el año 2016, la integración del API de Instagram en Android es diferente a la actualidad, imagino que en aquellas fechas Instagram aún no pertenecia a Facebook, en la actualidad para integrar esta API en un proyecto Android hay que hacerlo a través de https://developers.facebook.com/?locale=es_ES

La filosofía es la misma prácticamente, acompaño capturas en donde se puede ver el client_id, el client_secret y el token, así mismo los datos obtenidos desde el explorador.

Más la implementación de estas claves dentro del proyecto.

*token.txt: Bloc de notas
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https://graph.facebook.com/v8.0/oauth/access_token?
    grant_type=fb_exchange_token&
    client_id=349761509586352&
    client_secret=8f7e74b83887c54f169893d292b72a1a&
    fb_exchange_token=EAAEZBGzKI9bABALWSFdS3JfkSSbBdPtq05s19JZC7tyYY15QPF3MAEZAMZC46ZAYf3x5ZClT8ujAFu834qi2ijeF7XGXfn8fr1mVCPKU34LAU9J8kRAuD4XpxZAP0XhqHkakqmDljvDnMlUxiXhSUogwRdw3hmdrq4Fg2IYQ3RVWTj7RwKX8YXfKC6ZAuwLRq0uayNd6o6FNpoat5RZBIty3t

long lived token =
EAAEZBGzKI9bABAHT9z1ZBJsN4ZA3VU3YHUS6R0DiK0ZCIa0GL670ousB1clErePIug9aSvtPA07XVAYre5qhnSMbPZBiTEznK1DvgLbtvxZCNjaN1Q1U2yshlWHo5r6pxuUi1ZCYZCa9VfIrjSX2axu9K1hhIZCIjgqsVwX0WPbzbeAZDZD

https://graph.facebook.com/v8.0/17841401163453985?fields=biography%2Cid%2Cusername%2Cwebsite&access_token=https://graph.facebook.com/v8.0/17841401163453985?fields=biography%2Cid%2Cusername%2Cwebsite&access_token=EAAEZBGzKI9bABAHT9z1ZBJsN4ZA3VU3YHUS6R0DiK0ZCIa0GL670ousB1clErePIug9aSvtPA07XVAYre5qhnSMbPZBiTEznK1DvgLbtvxZCNjaN1Q1U2yshlWHo5r6pxuUi1ZCYZCa9VfIrjSX2axu9K1hhIZCIjgqsVwX0WPbzbeAZDZD

https://graph.facebook.com/v8.0/17841401163453985/media?fields=id,media_type,media_url,like_count,owner,timestamp&access_token=https://graph.facebook.com/v8.0/17841401163453985?fields=biography%2Cid%2Cusername%2Cwebsite&access_token=https://graph.facebook.com/v8.0/17841401163453985?fields=biography%2Cid%2Cusername%2Cwebsite&access_token=EAAEZBGzKI9bABAHT9z1ZBJsN4ZA3VU3YHUS6R0DiK0ZCIa0GL670ousB1clErePIug9aSvtPA07XVAYre5qhnSMbPZBiTEznK1DvgLbtvxZCNjaN1Q1U2yshlWHo5r6pxuUi1ZCYZCa9VfIrjSX2axu9K1hhIZCIjgqsVwX0WPbzbeAZDZD

graph.facebook.com/v8.0/17841401163453985/media?fields=id,media_type,media_url,like_count,owner,timestamp&access_token=https://grap

{
    "data": [
        {
            "id": "17870559407050462",
            "media_type": "IMAGE",
            "media_url": "https://scontent-mad1-1.cdninstagram.com/v/t51.29350-15/122517493_694762684489318_647232290564219053_n.jpg?_nc_cat=107&ccb=2&_nc_sid=8ae9d6&_nc_ohc=IUZJHDnc5xcAX_Z-E3x&_nc_ht=scontent-mad1-1.cdninstagram.com&oh=70a60c450a0ee430ddee0884bb89f081&oe=5F
            "like_count": 1,
            "owner": {
                "id": "17841401163453985"
            },
            "timestamp": "2020-10-22T19:44:44+0000"
        },
        {
            "id": "17891053042709186",
            "media_type": "IMAGE",
            "media_url": "https://scontent-mad1-1.cdninstagram.com/v/t51.29350-15/122154183_386660862476313_3239544915016829032_n.jpg?_nc_cat=107&ccb=2&_nc_sid=8ae9d6&_nc_ohc=S8uTTmVEKNEAX9PAXid&_nc_ht=scontent-mad1-1.cdninstagram.com&oh=29e6fc3a158112c6a3e80e94a8cf30c6&oe=5F
            "like_count": 2,
            "owner": {
                "id": "17841401163453985"
            },
            "timestamp": "2020-10-22T19:37:22+0000"
        },
        {
            "id": "17849945258347567",
            "media_type": "IMAGE",
            "media_url": "https://scontent-mad1-1.cdninstagram.com/v/t51.29350-15/122154182_782671915848859_2384368169909614808_n.jpg?_nc_cat=100&ccb=2&_nc_sid=8ae9d6&_nc_ohc=4novxdSQWfYAX_dWE7I&_nc_ht=scontent-mad1-1.cdninstagram.com&oh=b79aa9e6497ceb19c00454abfec0f60b&oe=5F

```java
package com.ramasolutions.petagramins.RestApi;


public final class ConstantsRestApi {

    public static final String VERSION = "/v8.0/";
    public static final String ROOT_URL = "https://graph.facebook.com" + VERSION;
    public static final String ACCESS_TOKEN = "EAAEZBGzKI9bABAHT9z1ZBJsN4ZA3VU3YHUS6R0DiK0ZCIa0GL670ousB1clErePIug9aSvtPA07XVAYre5qhnSMbPZBiTEznK
    public static final String KEY_ACCESS_TOKEN = "&access_token=";
    public static final String USER_ID = "17841401163453985";
    public static final String KEY_USER_MEDIA = "/media?fields=id,caption,media_type,media_url,owner,username,like_count";
    public static final String URL_USER_MEDIA = USER_ID + KEY_USER_MEDIA + KEY_ACCESS_TOKEN + ACCESS_TOKEN;

    public static final String KEY_BIO_URL = "?fields=biography,followers_count,follows_count,name,media_count,username,profile_picture_url";
    public static final String URL_USER_BIO = USER_ID + KEY_BIO_URL+ KEY_ACCESS_TOKEN + ACCESS_TOKEN;
}
```

dit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help   PetagramIns - EndpointsAPI.java [PetagramIns.app] - Android Studio

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EndpointsAPI.java ×   JsonKeys.java ×   ConstantsRestApi.java ×

```
app
  build
  libs
  src
    androidTest
    main
      java
        com.ram
          activi
          adap
          db
          fragm
          main
          mode
          pojo
          prese
          RestA
            a
            de
            C
```

```java
1   package com.ramasolutions.petagramins.RestApi;
2
3   import ...
8
9   public interface EndpointsAPI {
10
11      @GET(com.ramasolutions.petagramins.RestApi.ConstantsRestApi.URL_USER_MEDIA)
12      Call<PetResponse> getRecentMedia();
13
14      @GET(com.ramasolutions.petagramins.RestApi.ConstantsRestApi.URL_USER_BIO)
15      Call<BioResponse> getBioInfo();
16  }
17
```

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help   PetagramIns - JsonKeys.java [PetagramIns.app] - Android Studio

PetagramIns › app › src › main › java › com › ramasolutions › petagramins › RestApi › JsonKeys   app ▾   samsung SM-A505FN ▾

Project ▾   EndpointsAPI.java ×   JsonKeys.java ×   ConstantsRestApi.java ×

```
        androidTest
        main
          java
            com.ramasolutions.petagramins
              activities
              adapter
              db
              fragments
              main
              model
              pojo
              presentador
              RestApi
                adapter
                deserializador
                ConstantsRestApi
                EndpointsAPI
                JsonKeys
                MainActivity
          res
```

```java
1   package com.ramasolutions.petagramins.RestApi;
2
3   public final class JsonKeys {
4
5       public static final String MEDIA_RESPONSE_ARRAY    = "data";
6       public static final String USER_ID                = "id";
7       public static final String USER_USER_NAME         = "username";
8       public static final String MEDIA_URL              = "media_url";
9       public static final String MEDIA_LIKES            = "like_count";
10
11      public static final String BIOGRAPHY = "biography";
12      public static final String FOLLOWERS_COUNT = "followers_count";
13      public static final String FOLLOWS_COUNT = "follows_count";
14      public static final String MEDIA_COUNT = "media_count";
15      public static final String NAME = "name";
16      public static final String PROFILE_PICTURE_URL = "profile_picture_url";
17      public static final String USERNAME = "username";
18  }
19
```