Build.gradle(Principal)

apply plugin: 'com.android.application'  
android {  
 compileSdkVersion 26  
 buildToolsVersion "26.0.2"  
 defaultConfig {  
 applicationId "com.example.terrn.androidonlinequizapp"  
 minSdkVersion 21  
 targetSdkVersion 26  
 versionCode 1  
 versionName "1.0"  
 testInstrumentationRunner "android.support.test.runner.AndroidJUnitRunner"  
 }  
 buildTypes {  
 release {  
 minifyEnabled false  
 proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'  
 }  
 }  
}  
dependencies {  
 compile fileTree(dir: 'libs', include: ['\*.jar'])  
 androidTestCompile('com.android.support.test.espresso:espresso-core:2.2.2', {  
 exclude group: 'com.android.support', module: 'support-annotations'  
 })  
 compile 'com.firebaseui:firebase-ui-database:1.2.0'  
 compile 'com.squareup.picasso:picasso:2.5.2'  
 compile 'com.google.firebase:firebase-core:10.2.0'  
 compile 'com.google.firebase:firebase-messaging:10.2.0'  
 compile 'com.google.firebase:firebase-database:10.2.0'  
 compile 'com.rengwuxian.materialedittext:library:2.1.4'  
 compile 'com.android.support:cardview-v7:26.+'  
 compile 'com.android.support:design:26.+'  
 compile 'com.android.support:appcompat-v7:26.+'  
 compile 'com.android.support.constraint:constraint-layout:1.0.2'  
 compile 'com.android.support:support-v4:26.+'  
 testCompile 'junit:junit:4.12'  
}  
apply plugin: 'com.google.gms.google-services'

build.gradle(secundario)

// Top-level build file where you can add configuration options common to all sub-projects/modules.  
  
buildscript {  
 repositories {  
 jcenter()  
 }  
 dependencies {  
 classpath 'com.android.tools.build:gradle:2.3.3'  
 classpath 'com.google.gms:google-services:3.1.0'  
  
 // NOTE: Do not place your application dependencies here; they belong  
 // in the individual module build.gradle files  
 }  
}  
  
allprojects {  
 repositories {  
 jcenter()  
 }  
}  
  
task clean(type: Delete) {  
 delete rootProject.buildDir  
}

AndroidManifest.xml

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.terrn.androidonlinequizapp">  
  
 <application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme">  
 <activity android:name=".MainActivity">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 <service android:name=".MyFirebaseMessagingService">  
 <intent-filter>  
 <action android:name="com.google.firebase.MESSAGING\_EVENT"/>  
 </intent-filter>  
 </service>  
 <service android:name=".MyFirebaseInstanceIdService">  
 <intent-filter>  
 <action android:name="com.google.firebase.INSTANCE\_ID\_EVENT"/>  
 </intent-filter>  
 </service>  
 <activity android:name=".Home" />  
 <activity android:name=".Start" />  
 <activity android:name=".Playing" />  
 <activity android:name=".Done" />  
 <activity android:name=".ScoreDetail"></activity>  
 </application>  
  
</manifest>

Common.java

package com.example.terrn.androidonlinequizapp.Common;  
  
 import com.example.terrn.androidonlinequizapp.Model.Question;  
 import com.example.terrn.androidonlinequizapp.Model.User;  
  
 import java.util.ArrayList;  
 import java.util.List;  
  
*/\*\*  
 \* Created by TERRÓN on 30/10/2017.  
 \*/*public class Common {  
 public static String *categoryId*,*categoryName*;  
 public static User *currentUser*;  
 public static List<Question> *questionList*=new ArrayList<>();  
}

ItemClickListener.java(Interface)

package com.example.terrn.androidonlinequizapp.Interface;  
  
import android.view.View;  
  
*/\*\*  
 \* Created by TERRÓN on 29/10/2017.  
 \*/*public interface ItemClickListener {  
 void onClick(View view,int position, boolean isLongClick);  
}

RankingCallBack.java(Interface)

package com.example.terrn.androidonlinequizapp.Interface;  
  
*/\*\*  
 \* Created by TERRÓN on 01/11/2017.  
 \*/*public interface RankingCallBack<T>{  
 void callBack(T ranking);  
}

Category.java

package com.example.terrn.androidonlinequizapp.Model;  
  
*/\*\*  
 \* Created by TERRÓN on 29/10/2017.  
 \*/*public class Category {  
 private String Name;  
 private String Image;  
 public Category() {  
 }  
  
 public Category(String name, String image) {  
 Name = name;  
 Image = image;  
 }  
  
 public String getName() {  
 return Name;  
 }  
  
 public void setName(String name) {  
 Name = name;  
 }  
  
 public String getImage() {  
 return Image;  
 }  
  
 public void setImage(String image) {  
 Image = image;  
 }  
}

Question.java

package com.example.terrn.androidonlinequizapp.Model;  
  
*/\*\*  
 \* Created by TERRÓN on 30/10/2017.  
 \*/*public class Question {  
 private String Question,AnswerA,AnswerB,AnswerC,AnswerD,CorrectAnswer,CategoryId,IsImageQuestion;  
 public Question() {  
 }  
 public Question(String question, String answerA, String answerB, String answerC, String answerD, String correctAnswer, String categoryId, String isImageQuestion) {  
 Question = question;  
 AnswerA = answerA;  
 AnswerB = answerB;  
 AnswerC = answerC;  
 AnswerD = answerD;  
 CorrectAnswer = correctAnswer;  
 CategoryId = categoryId;  
 IsImageQuestion = isImageQuestion;  
 }  
  
 public String getQuestion() {  
 return Question;  
 }  
  
 public void setQuestion(String question) {  
 Question = question;  
 }  
  
 public String getAnswerA() {  
 return AnswerA;  
 }  
  
 public void setAnswerA(String answerA) {  
 AnswerA = answerA;  
 }  
  
 public String getAnswerB() {  
 return AnswerB;  
 }  
  
 public void setAnswerB(String answerB) {  
 AnswerB = answerB;  
 }  
  
 public String getAnswerC() {  
 return AnswerC;  
 }  
  
 public void setAnswerC(String answerC) {  
 AnswerC = answerC;  
 }  
  
 public String getAnswerD() {  
 return AnswerD;  
 }  
  
 public void setAnswerD(String answerD) {  
 AnswerD = answerD;  
 }  
  
 public String getCorrectAnswer() {  
 return CorrectAnswer;  
 }  
  
 public void setCorrectAnswer(String correctAnswer) {  
 CorrectAnswer = correctAnswer;  
 }  
  
 public String getCategoryId() {  
 return CategoryId;  
 }  
  
 public void setCategoryId(String categoryId) {  
 CategoryId = categoryId;  
 }  
  
 public String getIsImageQuestion() {  
 return IsImageQuestion;  
 }  
  
 public void setIsImageQuestion(String isImageQuestion) {  
 IsImageQuestion = isImageQuestion;  
 }  
}

QuestionScore.java

package com.example.terrn.androidonlinequizapp.Model;  
  
*/\*\*  
 \* Created by TERRÓN on 30/10/2017.  
 \*/*public class QuestionScore {  
 private String Question\_Score;  
 private String User;  
 private String Score;  
 private String CategoryId;  
 private String CategoryName;  
  
 public QuestionScore() {  
 }  
  
 public QuestionScore(String question\_Score, String user, String score, String categoryId, String categoryName) {  
 Question\_Score = question\_Score;  
 User = user;  
 Score = score;  
 CategoryId = categoryId;  
 CategoryName = categoryName;  
 }  
 public String getQuestion\_Score() {  
 return Question\_Score;  
 }  
  
 public void setQuestion\_Score(String question\_Score) {  
 Question\_Score = question\_Score;  
 }  
  
 public String getUser() {  
 return User;  
 }  
  
 public void setUser(String user) {  
 User = user;  
 }  
  
 public String getScore() {  
 return Score;  
 }  
  
 public void setScore(String score) {  
 Score = score;  
 }  
  
 public String getCategoryId() {  
 return CategoryId;  
 }  
  
 public void setCategoryId(String categoryId) {  
 CategoryId = categoryId;  
 }  
  
 public String getCategoryName() {  
 return CategoryName;  
 }  
  
 public void setCategoryName(String categoryName) {  
 CategoryName = categoryName;  
 }  
}

Ranking.java

package com.example.terrn.androidonlinequizapp.Model;  
*/\*\*  
 \* Created by TERRÓN on 01/11/2017.  
 \*/*public class Ranking {  
 private String userName;  
 private long score;  
 public Ranking() {  
 }  
 public Ranking(String userName, long score) {  
 this.userName = userName;  
 this.score = score;  
 }  
 public String getUserName() {  
 return userName;  
 }  
 public void setUserName(String userName) {  
 this.userName = userName;  
 }  
 public long getScore() {  
 return score;  
 }  
 public void setScore(long score) {  
 this.score = score;  
 }  
}

User.java

package com.example.terrn.androidonlinequizapp.Model;  
*/\*\*  
 \* Created by TERRÓN on 28/10/2017.  
 \*/*public class User {  
 private String userName;  
 private String password;  
 private String email;  
  
 public User() {  
 }  
  
 public User(String userName, String password, String email) {  
 this.userName = userName;  
 this.password = password;  
 this.email = email;  
 }  
  
 public String getUserName() {  
 return userName;  
 }  
  
 public void setUserName(String userName) {  
 this.userName = userName;  
 }  
  
 public String getPassword() {  
 return password;  
 }  
  
 public void setPassword(String password) {  
 this.password = password;  
 }  
  
 public String getEmail() {  
 return email;  
 }  
  
 public void setEmail(String email) {  
 this.email = email;  
 }  
}

CategoryFragment.java

package com.example.terrn.androidonlinequizapp;  
import android.content.Context;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.support.annotation.Nullable;  
import android.support.v4.app.Fragment;  
import android.support.v7.widget.LinearLayoutManager;  
import android.support.v7.widget.RecyclerView;  
import android.text.method.HideReturnsTransformationMethod;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Toast;  
  
import com.example.terrn.androidonlinequizapp.Common.Common;  
import com.example.terrn.androidonlinequizapp.Interface.ItemClickListener;  
import com.example.terrn.androidonlinequizapp.Model.Category;  
import com.example.terrn.androidonlinequizapp.ViewHolder.CategoryViewHolder;  
import com.firebase.ui.database.FirebaseRecyclerAdapter;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import com.squareup.picasso.Picasso;  
  
import java.util.concurrent.RecursiveAction;  
  
public class CategoryFragment extends Fragment {  
View myFragment;  
 RecyclerView listCategory;  
 RecyclerView.LayoutManager layoutManager;  
 FirebaseRecyclerAdapter<Category,CategoryViewHolder> adapter;  
 FirebaseDatabase database;  
 DatabaseReference categories;  
 public static CategoryFragment newInstance(){  
 CategoryFragment categoryFragment=new CategoryFragment();  
 return categoryFragment;  
}  
//Ctrl O  
 @Override  
 public void onCreate(@Nullable Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 database=FirebaseDatabase.*getInstance*();  
 categories=database.getReference("Category");  
 }  
 @Nullable  
 @Override  
 public View onCreateView(LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {  
 myFragment=inflater.inflate(R.layout.*fragment\_category*,container,false);  
 listCategory=(RecyclerView)myFragment.findViewById(R.id.*listCategory*);  
 listCategory.setHasFixedSize(true);  
 layoutManager=new LinearLayoutManager(container.getContext());  
 listCategory.setLayoutManager(layoutManager);  
 loadCategories();  
 return myFragment;  
 }  
  
 private void loadCategories() {  
 adapter=new FirebaseRecyclerAdapter<Category, CategoryViewHolder>(  
 Category.class,  
 R.layout.*category\_layout*,  
 CategoryViewHolder.class,  
 categories  
 ) {  
 @Override  
 protected void populateViewHolder(CategoryViewHolder viewHolder, final Category model, int position) {  
 viewHolder.category\_name.setText(model.getName());  
 Picasso.*with*(getActivity())  
 .load(model.getImage())  
 .into(viewHolder.category\_image);  
 viewHolder.setItemClickListener(new ItemClickListener() {  
 @Override  
 public void onClick(View view, int position, boolean isLongClick) {  
 //Toast.makeText(getActivity(),String.format("%s|%s",adapter.getRef(position).getKey(),model.getName()),Toast.LENGTH\_SHORT).show();  
 Intent startGame = new Intent(getActivity(),Start.class);  
 Common.*categoryId*=adapter.getRef(position).getKey();  
 Common.*categoryName*=model.getName();  
 startActivity(startGame);  
 }  
 });  
 }  
 };  
 adapter.notifyDataSetChanged();  
 listCategory.setAdapter(adapter);  
 }  
}

Done.java

package com.example.terrn.androidonlinequizapp;  
  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ProgressBar;  
import android.widget.TextView;  
  
import com.example.terrn.androidonlinequizapp.Common.Common;  
import com.example.terrn.androidonlinequizapp.Model.QuestionScore;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
  
public class Done extends AppCompatActivity {  
Button btnTryAgain;  
 TextView txtResultScore,getTxtResultQuestion;  
 ProgressBar progressBar;  
 FirebaseDatabase database;  
 DatabaseReference question\_score;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_done*);  
 database=FirebaseDatabase.*getInstance*();  
 question\_score=database.getReference("Question\_Score");  
 txtResultScore=(TextView)findViewById(R.id.*txtTotalScore*);  
 getTxtResultQuestion=(TextView)findViewById(R.id.*txtTotalQuestion*);  
 progressBar=(ProgressBar)findViewById(R.id.*doneProgressBar*);  
 btnTryAgain=(Button)findViewById(R.id.*btnTryAgain*);  
 btnTryAgain.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent=new Intent(Done.this, Home.class);  
 startActivity(intent);  
 finish();  
 }  
 });  
 Bundle extra = getIntent().getExtras();  
 if (extra != null)  
 {  
 int score=extra.getInt("SCORE");  
 int totalQuestion=extra.getInt("TOTAL");  
 int correctAnswer=extra.getInt("CORRECT");//VARIABLE DE LAS PREGUNTAS QUE SE HAN RESUELTO CORRECTAMENTE  
 txtResultScore.setText(String.*format*("SCORE: %d",score));  
 getTxtResultQuestion.setText(String.*format*("PASSED : %d / %d", correctAnswer,totalQuestion));  
 progressBar.setMax(totalQuestion);  
 progressBar.setProgress(correctAnswer);  
 question\_score.child(String.*format*("%s\_%s", Common.*currentUser*.getUserName(),  
 Common.*categoryId*))  
 .setValue(new QuestionScore(String.*format*("%s\_%s", Common.*currentUser*.getUserName(),  
 Common.*categoryId*),  
 Common.*currentUser*.getUserName(),  
 String.*valueOf*(score),  
 Common.*categoryId*,  
 Common.*categoryName*));  
 }  
 }  
}

Home.java

package com.example.terrn.androidonlinequizapp;  
import android.support.annotation.NonNull;  
import android.support.design.internal.BottomNavigationItemView;  
import android.support.design.widget.BottomNavigationView;  
import android.support.v4.app.Fragment;  
import android.support.v4.app.FragmentTransaction;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.MenuItem;  
  
import com.example.terrn.androidonlinequizapp.Model.Category;  
  
public class Home extends AppCompatActivity {  
 BottomNavigationView bottomNavigationView;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_home*);  
 bottomNavigationView=(BottomNavigationView)findViewById(R.id.*navigation*);  
 bottomNavigationView.setOnNavigationItemSelectedListener(new BottomNavigationView.OnNavigationItemSelectedListener() {  
 @Override  
 public boolean onNavigationItemSelected(@NonNull MenuItem item) {  
 Fragment selectedFragment=null;  
 switch (item.getItemId())  
 {  
 case R.id.*action\_category*:  
 selectedFragment= CategoryFragment.*newInstance*();  
 break;  
 case R.id.*action\_ranking*:  
 selectedFragment= RankingFragment.*newInstance*();  
 break;  
 }  
 FragmentTransaction transaction=getSupportFragmentManager().beginTransaction();  
 transaction.replace(R.id.*frame\_layout*,selectedFragment);  
 transaction.commit();  
 return true;  
 }  
 });  
 setDefaultFragment();  
 }  
 private void setDefaultFragment() {  
 FragmentTransaction transaction=getSupportFragmentManager().beginTransaction();  
 transaction.replace(R.id.*frame\_layout*,CategoryFragment.*newInstance*());  
 transaction.commit();  
 }  
}

MainActivity.java

package com.example.terrn.androidonlinequizapp;  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.support.v7.app.AlertDialog;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
  
import com.example.terrn.androidonlinequizapp.Common.Common;  
import com.example.terrn.androidonlinequizapp.Model.User;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import com.google.firebase.database.ValueEventListener;  
import com.rengwuxian.materialedittext.MaterialEditText;  
public class MainActivity extends AppCompatActivity {  
MaterialEditText edtNewUser,edtNewPassword,edtNewEmail;//PARA REGISTRAR  
MaterialEditText edtUser,edtPasword;//PARA ENTRAR  
Button btnSignUp,btnSignIn;  
 FirebaseDatabase database;  
 DatabaseReference users;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 //FIREBASE  
 database=FirebaseDatabase.*getInstance*();  
 users=database.getReference("Users");  
 edtUser=(MaterialEditText)findViewById(R.id.*edtUser*);  
 edtPasword=(MaterialEditText)findViewById(R.id.*edtPassword*);  
 btnSignIn=(Button)findViewById(R.id.*btn\_sign\_in*);  
 btnSignUp= (Button) findViewById(R.id.*btn\_sign\_up*);  
 btnSignUp.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 showSignUPDialog();  
 }  
 });  
 btnSignIn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 signIn(edtUser.getText().toString(),edtPasword.getText().toString());  
 }  
 });  
 }  
 private void signIn(final String user, final String pwd) {  
 users.addListenerForSingleValueEvent(new ValueEventListener() {  
 @Override  
 public void onDataChange(DataSnapshot dataSnapshot) {  
 if (dataSnapshot.child(user).exists())  
 {  
 if (!user.isEmpty())  
 {  
 User login = dataSnapshot.child(user).getValue(User.class);  
 if (login.getPassword().equals(pwd))  
 {  
 Intent homeActivity=new Intent(MainActivity.this,Home.class);  
 Common.*currentUser*=login;  
 startActivity(homeActivity);  
 finish();  
 }  
 else  
 Toast.*makeText*(MainActivity.this,"Verifica contraseña", Toast.*LENGTH\_SHORT*).show();  
 }  
 else  
 {  
 Toast.*makeText*(MainActivity.this,"Ingresa usuario", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 else  
 Toast.*makeText*(MainActivity.this,"No existe contraseña", Toast.*LENGTH\_SHORT*).show();  
 }  
 @Override  
 public void onCancelled(DatabaseError databaseError) {  
 }  
 });  
 }  
 private void showSignUPDialog() {  
 AlertDialog.Builder alertDialog = new AlertDialog.Builder(MainActivity.this);  
 alertDialog.setTitle("REGISTRATE");  
 alertDialog.setMessage("Rellena todo");  
 LayoutInflater inflater=this.getLayoutInflater();  
 View sign\_up\_layout=inflater.inflate(R.layout.*sign\_up\_layout*,null);  
 edtNewUser=(MaterialEditText)sign\_up\_layout.findViewById(R.id.*edtNewUserName*);  
 edtNewEmail=(MaterialEditText)sign\_up\_layout.findViewById(R.id.*edtNewEmail*);  
 edtNewPassword=(MaterialEditText)sign\_up\_layout.findViewById(R.id.*edtNewPassword*);  
 alertDialog.setView(sign\_up\_layout);  
 alertDialog.setIcon(R.drawable.*ic\_account\_circle\_black\_24dp*);  
 alertDialog.setNegativeButton("NO", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 dialogInterface.dismiss();  
 }  
 });  
 alertDialog.setPositiveButton("SI", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 final User user= new User(edtNewUser.getText().toString(),  
 edtNewPassword.getText().toString(),  
 edtNewEmail.getText().toString());  
 users.addListenerForSingleValueEvent(new ValueEventListener() {  
 @Override  
 public void onDataChange(DataSnapshot dataSnapshot) {  
 if (dataSnapshot.child(user.getUserName()).exists())  
 Toast.*makeText*(MainActivity.this,"EL USUARIO YA EXISTE",Toast.*LENGTH\_SHORT*).show();  
 else  
 {  
 users.child(user.getUserName())  
 .setValue(user);  
 Toast.*makeText*(MainActivity.this,"USUARIO REGISTRADO",Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 @Override  
 public void onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 dialogInterface.dismiss();  
 }  
 });  
 alertDialog.show();  
 }  
}

MyFirebaseInstanceIdService.java

package com.example.terrn.androidonlinequizapp;  
  
import android.util.Log;  
  
import com.google.firebase.iid.FirebaseInstanceId;  
import com.google.firebase.iid.FirebaseInstanceIdService;  
  
*/\*\*  
 \* Created by TERRÓN on 03/11/2017.  
 \*/*public class MyFirebaseInstanceIdService extends FirebaseInstanceIdService {  
 public static final String *TAG*="X";  
 @Override  
 public void onTokenRefresh() {  
 super.onTokenRefresh();  
 String token= FirebaseInstanceId.*getInstance*().getToken();  
 Log.*d*(*TAG*,"Token:"+token);  
 }  
}

MyFirebaseMessaginService.java

package com.example.terrn.androidonlinequizapp;  
  
import android.app.NotificationManager;  
import android.app.PendingIntent;  
import android.content.Context;  
import android.content.Intent;  
import android.media.RingtoneManager;  
import android.net.Uri;  
import android.support.v4.app.NotificationCompat;  
import android.util.Log;  
  
import com.google.firebase.messaging.FirebaseMessagingService;  
import com.google.firebase.messaging.RemoteMessage;  
  
*/\*\*  
 \* Created by TERRÓN on 03/11/2017.  
 \*/*public class MyFirebaseMessagingService extends FirebaseMessagingService {  
 public static String *TAG*="X";  
 @Override  
 public void onMessageReceived(RemoteMessage remoteMessage) {  
 super.onMessageReceived(remoteMessage);  
 String from=remoteMessage.getFrom();  
 Log.*d*(*TAG*,"MNS"+from);  
 if (remoteMessage.getNotification()!=null)  
 {  
 Log.*d*(*TAG*,"NTF:"+remoteMessage.getNotification().getBody());  
 mostrarNotificacion(remoteMessage.getNotification().getTitle(), remoteMessage.getNotification().getBody());  
 }  
 if (remoteMessage.getData().size()>0)  
 {  
 Log.*d*(*TAG*,"D:"+remoteMessage.getData());  
 }  
 }  
  
 private void mostrarNotificacion(String title, String body) {  
 Uri soundUri= RingtoneManager.*getDefaultUri*(RingtoneManager.*TYPE\_NOTIFICATION*);  
 Intent intent=new Intent(this,MainActivity.class);  
 intent.setFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP*);  
 PendingIntent pendingIntent=PendingIntent.*getActivity*(this,0,intent,PendingIntent.*FLAG\_ONE\_SHOT*);  
 NotificationCompat.Builder notificationBuilder= new NotificationCompat.Builder(this)  
 .setSmallIcon(R.drawable.*ic\_question\_answer\_black\_24dp*)  
 .setContentTitle(title)  
 .setContentText(body)  
 .setAutoCancel(true)  
 .setSound(soundUri)  
 .setContentIntent(pendingIntent);  
 NotificationManager notificationManager=(NotificationManager) getSystemService(Context.*NOTIFICATION\_SERVICE*);  
 notificationManager.notify(0,notificationBuilder.build());  
 }  
}

Playing.java

package com.example.terrn.androidonlinequizapp;  
import android.content.Intent;  
import android.os.CountDownTimer;  
import android.provider.ContactsContract;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageView;  
import android.widget.ProgressBar;  
import android.widget.TextView;  
import com.example.terrn.androidonlinequizapp.Common.Common;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import com.squareup.picasso.Picasso;  
public class Playing extends AppCompatActivity implements View.OnClickListener{  
final static long *INTERVAL*=1000;  
 final static long *TIMEOUT*=7000;  
 int progressValue=0;  
 CountDownTimer mCountDown;  
 int index=0,score=0,thisQuestion=0,totalQuestion,correctAnswer;  
 ProgressBar progressBar;  
 ImageView question\_image;  
 Button btnA,btnB,btnC,btnD;  
 TextView txtScore,txtQuestionNum,question\_text;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_playing*);  
 txtScore=(TextView)findViewById(R.id.*txtScore*);  
 txtQuestionNum=(TextView)findViewById(R.id.*txtTotalQuestion*);  
 question\_text=(TextView)findViewById(R.id.*question\_text*);  
 question\_image=(ImageView)findViewById(R.id.*question\_image*);  
 progressBar=(ProgressBar)findViewById(R.id.*progressBar*);  
 btnA=(Button)findViewById(R.id.*btnAnswerA*);  
 btnB=(Button)findViewById(R.id.*btnAnswerB*);  
 btnC=(Button)findViewById(R.id.*btnAnswerC*);  
 btnD=(Button)findViewById(R.id.*btnAnswerD*);  
 btnA.setOnClickListener(this);  
 btnB.setOnClickListener(this);  
 btnC.setOnClickListener(this);  
 btnD.setOnClickListener(this);  
 }  
 @Override  
 public void onClick(View view) {  
mCountDown.cancel();  
 if (index<totalQuestion)  
 {  
 Button clickedButton=(Button)view;  
 if (clickedButton.getText().equals(Common.*questionList*.get(index).getCorrectAnswer()))  
 {  
 score+=10;  
 correctAnswer++;  
 showQuestion(++index);  
 }  
 else  
 {  
 Intent intent=new Intent(this,Done.class);  
 Bundle dataSend=new Bundle();  
 dataSend.putInt("SCORE",score);  
 dataSend.putInt("TOTAL",totalQuestion);  
 dataSend.putInt("CORRECT",correctAnswer);  
 intent.putExtras(dataSend);  
 startActivity(intent);  
 finish();  
 }  
 txtScore.setText(String.*format*("%d",score));  
 }  
 }  
 private void showQuestion(int index) {  
 if (index<totalQuestion)  
 {  
 thisQuestion++;  
 txtQuestionNum.setText(String.*format*("%d / %d",thisQuestion,totalQuestion));  
 progressBar.setProgress(0);  
 progressValue=0;  
 if(Common.*questionList*.get(index).getIsImageQuestion().equals("true"))  
 {  
 Picasso.*with*(getBaseContext())  
 .load(Common.*questionList*.get(index).getQuestion())  
 .into(question\_image);  
 question\_image.setVisibility(View.*VISIBLE*);  
 question\_text.setVisibility(View.*INVISIBLE*);  
 }  
 else  
 {  
 question\_text.setText(Common.*questionList*.get(index).getQuestion());  
 question\_image.setVisibility(View.*INVISIBLE*);  
 question\_text.setVisibility(View.*VISIBLE*);  
 }  
 btnA.setText(Common.*questionList*.get(index).getAnswerA());  
 btnB.setText(Common.*questionList*.get(index).getAnswerB());  
 btnC.setText(Common.*questionList*.get(index).getAnswerC());  
 btnD.setText(Common.*questionList*.get(index).getAnswerD());  
 mCountDown.start();  
 }  
 else  
 {  
 Intent intent=new Intent(this,Done.class);  
 Bundle dataSend=new Bundle();  
 dataSend.putInt("SCORE",score);  
 dataSend.putInt("TOTAL",totalQuestion);  
 dataSend.putInt("CORRECT",correctAnswer);  
 intent.putExtras(dataSend);  
 startActivity(intent);  
 finish();  
 }  
 }  
 @Override  
 protected void onResume() {  
 super.onResume();  
 totalQuestion=Common.*questionList*.size();  
 mCountDown=new CountDownTimer(*TIMEOUT*,*INTERVAL*) {  
 @Override  
 public void onTick(long minisec) {  
 progressBar.setProgress(progressValue);  
 progressValue++;  
 }  
 @Override  
 public void onFinish() {  
 mCountDown.cancel();  
 showQuestion(++index);  
 }  
 };  
 showQuestion(index);  
 }  
}

RankingFragment.java

package com.example.terrn.androidonlinequizapp;  
import android.content.Context;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.support.annotation.Nullable;  
import android.support.v4.app.Fragment;  
import android.support.v7.widget.LinearLayoutManager;  
import android.support.v7.widget.RecyclerView;  
import android.util.Log;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
import com.example.terrn.androidonlinequizapp.Common.Common;  
import com.example.terrn.androidonlinequizapp.Interface.ItemClickListener;  
import com.example.terrn.androidonlinequizapp.Interface.RankingCallBack;  
import com.example.terrn.androidonlinequizapp.Model.QuestionScore;  
import com.example.terrn.androidonlinequizapp.Model.Ranking;  
import com.example.terrn.androidonlinequizapp.ViewHolder.RankingViewHolder;  
import com.firebase.ui.database.FirebaseRecyclerAdapter;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import com.google.firebase.database.ValueEventListener;  
  
public class RankingFragment extends Fragment {  
 View myFragment;  
 RecyclerView rankingList;  
 LinearLayoutManager layoutManager;  
 FirebaseRecyclerAdapter<Ranking,RankingViewHolder> adapter;  
 FirebaseDatabase database;  
 DatabaseReference questionScore,rankingTbl;  
 int sum=0;  
 public static RankingFragment newInstance(){  
 RankingFragment rankingFragment=new RankingFragment();  
 return rankingFragment;  
 }  
 //Ctrl O  
 @Override  
 public void onCreate(@Nullable Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 database=FirebaseDatabase.*getInstance*();  
 questionScore=database.getReference("Question\_Score");  
 rankingTbl=database.getReference("Ranking");  
 }  
  
 @Nullable  
 @Override  
 public View onCreateView(LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {  
 myFragment=inflater.inflate(R.layout.*fragment\_ranking*,container,false);  
 //Inicializamos vista  
 rankingList=(RecyclerView)myFragment.findViewById(R.id.*rankingList*);  
 layoutManager=new LinearLayoutManager(getActivity());  
 rankingList.setHasFixedSize(true);  
 //PQ al ordenar FireBase lo va a ordenar ascendentemente asi que pondremos la vista en modo invertido  
 layoutManager.setReverseLayout(true);  
 layoutManager.setStackFromEnd(true);  
 rankingList.setLayoutManager(layoutManager);  
 updateScore(Common.*currentUser*.getUserName(), new RankingCallBack<Ranking>() {  
 @Override  
 public void callBack(Ranking ranking) {  
 rankingTbl.child(ranking.getUserName())  
 .setValue(ranking);  
 //showRanking();  
 }  
 });  
 adapter=new FirebaseRecyclerAdapter<Ranking, RankingViewHolder>(  
 Ranking.class,  
 R.layout.*layout\_ranking*,  
 RankingViewHolder.class,  
 rankingTbl.orderByChild("score")  
 ) {  
 @Override  
 protected void populateViewHolder(RankingViewHolder viewHolder, final Ranking model, int position) {  
 viewHolder.txt\_name.setText(model.getUserName());  
 viewHolder.txt\_score.setText(String.*valueOf*(model.getScore()));  
 viewHolder.setItemClickListener(new ItemClickListener() {  
 @Override  
 public void onClick(View view, int position, boolean isLongClick) {  
 Intent scoreDetail=new Intent(getActivity(),ScoreDetail.class);  
 scoreDetail.putExtra("viewUser",model.getUserName());  
 startActivity(scoreDetail);  
  
 }  
 });  
 }  
 };  
 adapter.notifyDataSetChanged();  
 rankingList.setAdapter(adapter);  
 return myFragment;  
 }  
  
  
  
 private void updateScore(final String userName, final RankingCallBack<Ranking> callback) {  
 questionScore.orderByChild("user").equalTo(userName)  
 .addListenerForSingleValueEvent(new ValueEventListener() {  
 @Override  
 public void onDataChange(DataSnapshot dataSnapshot) {  
 for (DataSnapshot data:dataSnapshot.getChildren())  
 {  
 QuestionScore ques=data.getValue(QuestionScore.class);  
 sum+=Integer.*parseInt*(ques.getScore());  
 }  
 //Procesamos variable sum ya que FireeBase es asincrona, si lo procesamos fuera de aqui sum regresa a 0  
 Ranking ranking=new Ranking(userName,sum);  
 callback.callBack(ranking);  
 }  
  
 @Override  
 public void onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 }  
}

ScoreDetail.java

package com.example.terrn.androidonlinequizapp;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.support.v7.widget.LinearLayoutManager;  
import android.support.v7.widget.RecyclerView;  
  
import com.example.terrn.androidonlinequizapp.Model.Question;  
import com.example.terrn.androidonlinequizapp.Model.QuestionScore;  
import com.example.terrn.androidonlinequizapp.ViewHolder.ScoreDetailViewHolder;  
import com.firebase.ui.database.FirebaseRecyclerAdapter;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
  
public class ScoreDetail extends AppCompatActivity {  
 FirebaseDatabase database;  
 DatabaseReference question\_score;  
 RecyclerView scoreList;  
 RecyclerView.LayoutManager layoutManager;  
 FirebaseRecyclerAdapter<QuestionScore,ScoreDetailViewHolder>adapter;  
 String viewUser="";  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_score\_detail*);  
 database=FirebaseDatabase.*getInstance*();  
 question\_score=database.getReference("Question\_Score");  
 scoreList=(RecyclerView)findViewById(R.id.*scoreList*);  
 scoreList.setHasFixedSize(true);  
 layoutManager=new LinearLayoutManager(this);  
 scoreList.setLayoutManager(layoutManager);  
  
 if (getIntent()!=null)  
 viewUser=getIntent().getStringExtra("viewUser");  
 if (!viewUser.isEmpty())  
 loadScoreDetail(viewUser);  
 }  
  
 private void loadScoreDetail(String viewUser) {  
 adapter=new FirebaseRecyclerAdapter<QuestionScore, ScoreDetailViewHolder>(  
 QuestionScore.class,  
 R.layout.*score\_detail\_layout*,  
 ScoreDetailViewHolder.class,  
 question\_score.orderByChild("user").equalTo(viewUser)  
 ) {  
 @Override  
 protected void populateViewHolder(ScoreDetailViewHolder viewHolder, QuestionScore model, int position) {  
 viewHolder.txt\_name.setText(model.getCategoryName());  
 viewHolder.txt\_score.setText(model.getScore());  
  
 }  
 };  
 adapter.notifyDataSetChanged();  
 scoreList.setAdapter(adapter);  
  
 }  
}

Start.java

package com.example.terrn.androidonlinequizapp;  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
import com.example.terrn.androidonlinequizapp.Common.Common;  
import com.example.terrn.androidonlinequizapp.Model.Question;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.DatabaseReference;  
import com.google.firebase.database.FirebaseDatabase;  
import com.google.firebase.database.ValueEventListener;  
  
import java.util.Collections;  
  
public class Start extends AppCompatActivity {  
 Button bntPlay;  
 FirebaseDatabase database;  
 DatabaseReference questions;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_start*);  
 database=FirebaseDatabase.*getInstance*();  
 questions=database.getReference("Questions");  
 loadQuestion(Common.*categoryId*);  
 bntPlay=(Button)findViewById(R.id.*btnPlay*);  
 bntPlay.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent=new Intent(Start.this,Playing.class);  
 startActivity(intent);  
 finish();  
 }  
 });  
 }  
 private void loadQuestion(String categoryId) {  
 if (Common.*questionList*.size()>0)  
 Common.*questionList*.clear();  
 questions.orderByChild("CategoryID").equalTo(categoryId)  
 .addValueEventListener(new ValueEventListener() {  
 @Override  
 public void onDataChange(DataSnapshot dataSnapshot) {  
 for (DataSnapshot postSnapshot : dataSnapshot.getChildren())  
 {  
 Question ques=postSnapshot.getValue(Question.class);  
 Common.*questionList*.add(ques);  
 }  
 }  
  
 @Override  
 public void onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 Collections.*shuffle*(Common.*questionList*);  
 }  
}

activity\_done.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/back"  
 tools:context="com.example.terrn.androidonlinequizapp.Done">  
<RelativeLayout  
 android:layout\_centerInParent="true"  
 android:layout\_margin="30dp"  
 android:padding="20dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <LinearLayout  
 android:orientation="vertical"  
 android:id="@+id/btnGroup"  
 android:padding="10dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:id="@+id/txtTotalScore"  
 android:text="SCORE:"  
 android:textSize="30sp"  
 android:textColor="@android:color/white"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent" />  
 <TextView  
 android:id="@+id/txtTotalQuestion"  
 android:text="PASSED: 0/30"  
 android:textSize="30sp"  
 android:textColor="@android:color/white"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent" />  
 <ProgressBar  
 style="@style/Widget.AppCompat.ProgressBar.Horizontal"  
 android:id="@+id/doneProgressBar"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <Button  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:id="@+id/btnTryAgain"  
 android:layout\_margin="8dp"  
 android:background="#AD1457"  
 android:foreground="?android:attr/selectableItemBackground"  
 android:text="RE-INTENTAR"  
 android:textColor="@android:color/white"  
 android:textStyle="bold"  
 android:theme="@style/MyButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
</RelativeLayout>  
</RelativeLayout>

Activity\_home.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/back"  
 tools:context="com.example.terrn.androidonlinequizapp.Home">  
 <FrameLayout  
 android:id="@+id/frame\_layout"  
 android:animateLayoutChanges="true"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_above="@+id/navigation"  
 />  
 <android.support.design.widget.BottomNavigationView  
 android:id="@+id/navigation"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:background="@color/colorPrimary"  
 app:itemIconTint="@drawable/nav\_item\_color\_state"  
 app:itemTextColor="@drawable/nav\_item\_color\_state"  
 app:menu="@menu/bottom\_menu"  
 />  
</RelativeLayout>

activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/back"  
 tools:context="com.example.terrn.androidonlinequizapp.MainActivity">  
<ImageView  
 android:layout\_marginBottom="20dp"  
 android:layout\_centerHorizontal="true"  
 android:src="@drawable/logo"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_above="@+id/wrap\_login"/>  
 <RelativeLayout  
 android:id="@+id/wrap\_login"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:layout\_margin="8dp"  
 >  
  
 <android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:id="@+id/info\_login"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="8dp"  
 app:cardElevation="4dp">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:padding="16dp">  
  
 <com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtUser"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Usuario"  
 android:textColorHint="@color/colorPrimary"  
 android:textSize="24sp"  
 app:met\_baseColor="@color/colorPrimary"  
 app:met\_floatingLabel="highlight"  
 app:met\_primaryColor="@color/colorPrimary"  
 app:met\_singleLineEllipsis="true" />  
  
 <com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:textColorHint="@color/colorPrimary"  
 android:textSize="24sp"  
 app:met\_baseColor="@color/colorPrimary"  
 app:met\_floatingLabel="highlight"  
 app:met\_primaryColor="@color/colorPrimary"  
 app:met\_singleLineEllipsis="true" />  
  
  
 </LinearLayout>  
 </android.support.v7.widget.CardView>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/info\_login"  
 android:layout\_margin="8dp"  
 android:orientation="horizontal"  
 android:weightSum="2">  
  
 <Button  
 android:id="@+id/btn\_sign\_up"  
 android:text="Reegistrate"  
 style="@style/Widget.AppCompat.Button.Colored"  
 android:layout\_weight="1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
  
 />  
  
 <Button  
 android:id="@+id/btn\_sign\_in"  
 android:text="Iniciar sesion"  
 style="@style/Widget.AppCompat.Button.Colored"  
 android:layout\_weight="1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 />  
 </LinearLayout>  
  
 </RelativeLayout>  
  
</RelativeLayout>

Activity\_playing.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/back"  
 tools:context="com.example.terrn.androidonlinequizapp.Playing">  
 <ImageView  
 android:id="@+id/question\_image"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="25dp"  
 android:gravity="center"  
 android:layout\_width="300dp"  
 android:layout\_height="200dp" />  
<TextView  
 android:id="@+id/question\_text"  
 android:visibility="invisible"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="25dp"  
 android:gravity="center"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <RelativeLayout  
 android:layout\_alignParentBottom="true"  
 android:layout\_margin="30dp"  
 android:paddingTop="20dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content">  
<LinearLayout  
 android:orientation="vertical"  
 android:id="@+id/group"  
 android:paddingTop="10dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <LinearLayout  
 android:weightSum="2"  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:id="@+id/txtScore"  
 android:textColor="@android:color/white"  
 android:gravity="center\_horizontal"  
 android:text="0"  
 android:textSize="36sp"  
 android:layout\_weight="1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 <TextView  
 android:id="@+id/txtTotalQuestion"  
 android:textColor="@android:color/white"  
 android:gravity="center\_horizontal"  
 android:text="1/30"  
 android:textSize="36sp"  
 android:layout\_weight="1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
 <ProgressBar  
 android:id="@+id/progressBar"  
 style="@style/Widget.AppCompat.ProgressBar.Horizontal"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:max="5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <Button  
 android:id="@+id/btnAnswerA"  
 android:text="A"  
 android:textColor="@android:color/white"  
 android:textStyle="bold"  
 android:theme="@style/MyButton"  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:background="#FF8A80"  
 android:layout\_margin="8dp"  
 android:foreground="?android:attr/selectableItemBackground"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <Button  
 android:id="@+id/btnAnswerB"  
 android:text="B"  
 android:textColor="@android:color/white"  
 android:textStyle="bold"  
 android:theme="@style/MyButton"  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:background="#FF8A80"  
 android:layout\_margin="8dp"  
 android:foreground="?android:attr/selectableItemBackground"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <Button  
 android:id="@+id/btnAnswerC"  
 android:text="C"  
 android:textColor="@android:color/white"  
 android:textStyle="bold"  
 android:theme="@style/MyButton"  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:background="#FF8A80"  
 android:layout\_margin="8dp"  
 android:foreground="?android:attr/selectableItemBackground"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <Button  
 android:id="@+id/btnAnswerD"  
 android:text="D"  
 android:textColor="@android:color/white"  
 android:textStyle="bold"  
 android:theme="@style/MyButton"  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:background="#FF8A80"  
 android:layout\_margin="8dp"  
 android:foreground="?android:attr/selectableItemBackground"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
</LinearLayout>  
  
 </RelativeLayout>  
</RelativeLayout>

activity\_score\_detail.xml

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/back"  
 tools:context="com.example.terrn.androidonlinequizapp.RankingFragment">  
 <android.support.v7.widget.CardView  
 android:id="@+id/title"  
 android:padding="16dp"  
 android:layout\_margin="16dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:cardBackgroundColor="@color/colorPrimaryDark"  
 app:cardElevation="4dp"  
 >  
 <LinearLayout  
 android:orientation="horizontal"  
 android:weightSum="10"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:text="Name"  
 android:textSize="24sp"  
 android:textColor="@android:color/white"  
 android:layout\_weight="8"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 <TextView  
 android:text="Score"  
 android:textSize="24sp"  
 android:textColor="@android:color/white"  
 android:layout\_weight="2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
 </android.support.v7.widget.CardView>  
 <android.support.v7.widget.RecyclerView  
 android:id="@+id/scoreList"  
 android:layout\_below="@id/title"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"></android.support.v7.widget.RecyclerView>  
</RelativeLayout>

activity\_start.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/back"  
 tools:context="com.example.terrn.androidonlinequizapp.Start">  
<ImageView  
 android:id="@+id/logo"  
 android:src="@drawable/logo"  
 android:layout\_centerHorizontal="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="25dp"  
 android:layout\_width="300dp"  
 android:layout\_height="200dp" />  
 <android.support.v7.widget.CardView  
 android:layout\_centerInParent="true"  
 android:layout\_margin="16dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <Button  
 style="@style/Widget.AppCompat.Button.Borderless"  
 android:id="@+id/btnPlay"  
 android:layout\_margin="8dp"  
 android:background="#AD1457"  
 android:foreground="?android:attr/selectableItemBackground"  
 android:text="JUGAR"  
 android:textColor="@android:color/white"  
 android:textStyle="bold"  
 android:theme="@style/MyButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 </android.support.v7.widget.CardView>  
</RelativeLayout>

activity\_layout.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="300dp">  
 <ImageView  
 android:id="@+id/category\_image"  
 android:scaleType="centerCrop"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" />  
 <TextView  
 android:id="@+id/category\_name"  
 android:text="Nombre de la categoria"  
 android:textColorHint="@android:color/white"  
 android:textSize="24sp"  
 android:gravity="center"  
 android:layout\_alignParentBottom="true"  
 android:background="#4F0e0d0e"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
</RelativeLayout>

fragment\_category.xml

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context="com.example.terrn.androidonlinequizapp.CategoryFragment">  
  
 <android.support.v7.widget.RecyclerView  
 android:id="@+id/listCategory"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"></android.support.v7.widget.RecyclerView>  
  
</FrameLayout>

fragment\_ranking.xml

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context="com.example.terrn.androidonlinequizapp.RankingFragment">  
<android.support.v7.widget.CardView  
 android:id="@+id/title"  
 android:padding="16dp"  
 android:layout\_margin="16dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:cardBackgroundColor="@color/colorPrimaryDark"  
 app:cardElevation="4dp"  
 >  
 <LinearLayout  
 android:orientation="horizontal"  
 android:weightSum="10"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:text="Name"  
 android:textSize="24sp"  
 android:textColor="@android:color/white"  
 android:layout\_weight="8"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 <TextView  
 android:text="Score"  
 android:textSize="24sp"  
 android:textColor="@android:color/white"  
 android:layout\_weight="2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
</android.support.v7.widget.CardView>  
 <android.support.v7.widget.RecyclerView  
 android:id="@+id/rankingList"  
 android:layout\_below="@id/title"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"></android.support.v7.widget.RecyclerView>  
</RelativeLayout>

layout\_ranking.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="100dp"  
 android:padding="16dp"  
 android:layout\_margin="16dp"  
 app:cardElevation="4dp"  
 >  
 <LinearLayout  
 android:orientation="horizontal"  
 android:weightSum="10"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:id="@+id/txt\_name"  
 android:text="Name"  
 android:layout\_marginLeft="10dp"  
 android:textSize="24sp"  
 android:textColor="@color/colorPrimary"  
 android:layout\_weight="8"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 <TextView  
 android:id="@+id/txt\_score"  
 android:text="Score"  
 android:textSize="24sp"  
 android:textColor="@color/colorPrimary"  
 android:layout\_weight="2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
  
</android.support.v7.widget.CardView>

sign\_up\_layout.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="8dp"  
 app:cardElevation="4dp"  
 >  
  
 <LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtNewUserName"  
 android:hint="Usuario"  
 android:textColorHint="@color/colorPrimary"  
 android:textSize="24sp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@color/colorPrimary"  
 app:met\_floatingLabel="highlight"  
 app:met\_primaryColor="@color/colorPrimary"  
 app:met\_singleLineEllipsis="true"  
 />  
  
 <com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtNewPassword"  
 android:hint="Password"  
 android:textColorHint="@color/colorPrimary"  
 android:textSize="24sp"  
 android:inputType="textPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@color/colorPrimary"  
 app:met\_floatingLabel="highlight"  
 app:met\_primaryColor="@color/colorPrimary"  
 app:met\_singleLineEllipsis="true"  
 />  
  
 <com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtNewEmail"  
 android:hint="Email"  
 android:textColorHint="@color/colorPrimary"  
 android:textSize="24sp"  
 android:inputType="textEmailAddress"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@color/colorPrimary"  
 app:met\_floatingLabel="highlight"  
 app:met\_primaryColor="@color/colorPrimary"  
 app:met\_singleLineEllipsis="true"  
 />  
  
 </LinearLayout>  
</android.support.v7.widget.CardView>

score\_detail\_layout.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="100dp"  
 android:padding="16dp"  
 android:layout\_margin="16dp"  
 app:cardElevation="4dp"  
 >  
 <LinearLayout  
 android:orientation="horizontal"  
 android:weightSum="10"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:id="@+id/txt\_name"  
 android:text="Category Name"  
 android:layout\_marginLeft="10dp"  
 android:textSize="24sp"  
 android:textColor="@color/colorPrimary"  
 android:layout\_weight="8"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 <TextView  
 android:id="@+id/txt\_score"  
 android:text="Score"  
 android:textSize="24sp"  
 android:textColor="@color/colorPrimary"  
 android:layout\_weight="2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
  
</android.support.v7.widget.CardView>

Bottom\_menu.xml

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
 <item  
 android:id="@+id/action\_category"  
 android:enabled="true"  
 android:title="Tema"  
 android:icon="@drawable/ic\_question\_answer\_black\_24dp"  
 app:showAsAction="ifRoom"/>  
 <item  
 android:id="@+id/action\_ranking"  
 android:enabled="true"  
 android:title="Rank"  
 android:icon="@drawable/ic\_star\_black\_24dp"  
 app:showAsAction="ifRoom"/>  
</menu>

LINEAS DEE CODIGO 1558 SIN CONTAR LAS DEL GRADLE