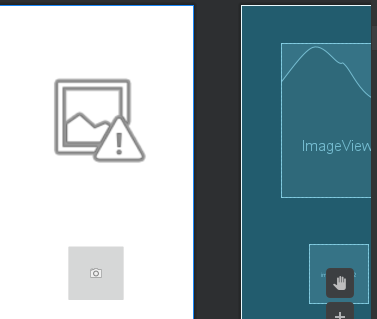
Tomar fotografia y guardarla



manifest

package="com.example.foto">  
  
 <uses-feature android:name="android.hardware.camera2" android:required="true" />  
 <uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE" />  
  
  
  
 <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/Theme.Foto">  
 <activity android:name=".MainActivity">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
  
 <provider  
 android:name="androidx.core.content.FileProvider"  
 android:authorities="com.example.myapp.fileprovider"  
 android:grantUriPermissions="true"  
 android:exported="false">  
 <meta-data  
 android:name="android.support.FILE\_PROVIDER\_PATHS"  
 android:resource="@xml/filepaths" />  
 </provider>  
 </application>  
  
</manifest>

MainActiviy

package com.example.foto;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.app.ActivityCompat;  
import androidx.core.content.ContextCompat;  
import androidx.core.content.FileProvider;  
  
import android.Manifest;  
import android.app.usage.StorageStatsManager;  
import android.content.Context;  
import android.content.ContextWrapper;  
import android.content.Intent;  
import android.content.pm.PackageManager;  
import android.graphics.Bitmap;  
import android.graphics.BitmapFactory;  
import android.graphics.drawable.BitmapDrawable;  
import android.net.Uri;  
import android.os.Bundle;  
import android.os.Environment;  
import android.provider.MediaStore;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageButton;  
import android.widget.ImageView;  
import android.widget.Toast;  
  
import java.io.File;  
import java.io.FileNotFoundException;  
import java.io.FileOutputStream;  
import java.io.IOException;  
import java.net.HttpURLConnection;  
import java.net.URL;  
import java.text.SimpleDateFormat;  
import java.util.Calendar;  
import java.util.Date;  
  
public class MainActivity extends AppCompatActivity {  
 static final int *REQUEST\_TAKE\_PHOTO* = 1;  
 private static final int *REQUEST\_IMAGE\_CAPTURE* = 1;  
 private ImageView img;  
 private ImageButton btn;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 img=findViewById(R.id.*imageView2*);  
 btn=findViewById(R.id.*imageButton2*);  
  
  
 if (ContextCompat.*checkSelfPermission*(MainActivity.this, Manifest.permission.*WRITE\_EXTERNAL\_STORAGE*) != PackageManager.*PERMISSION\_GRANTED* && ActivityCompat.*checkSelfPermission*(MainActivity.this, Manifest.permission.*CAMERA*) != PackageManager.*PERMISSION\_GRANTED*) {  
 ActivityCompat.*requestPermissions*(MainActivity.this, new String[]{Manifest.permission.*WRITE\_EXTERNAL\_STORAGE*, Manifest.permission.*CAMERA*}, 1000);  
 }  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 TomarFoto();  
 }  
 });  
  
  
 }  
  
  
  
  
  
 public void TomarFoto() {  
 Intent takePictureIntent = new Intent(MediaStore.*ACTION\_IMAGE\_CAPTURE*);  
 // Ensure that there's a camera activity to handle the intent  
// Toast.makeText(this,"antes en if",Toast.LENGTH\_LONG).show();  
// if (takePictureIntent.resolveActivity(getPackageManager()) != null) {  
// Toast.makeText(this,"entro en if",Toast.LENGTH\_LONG).show();  
// // Create the File where the photo should go  
// File photoFile = null;  
// try {  
// photoFile = createImageFile();  
// } catch (IOException ex) {  
// // Error occurred while creating the File  
// }  
// // Continue only if the File was successfully created  
// if (photoFile != null) {  
// Uri photoURI = FileProvider.getUriForFile(this,  
// "com.example.android.fileprovider",  
// photoFile);  
// takePictureIntent.putExtra(MediaStore.EXTRA\_OUTPUT, photoURI);  
 startActivityForResult(takePictureIntent, *REQUEST\_TAKE\_PHOTO*);  
// }  
// }  
 }  
  
// public void Grabar(View v){  
 public void Grabar(Bitmap imagen){  
 // Bitmap imagen = ((BitmapDrawable)img.getDrawable()).getBitmap();  
 String ruta = guardarImagen(getApplicationContext(), "myfoto\_"+getCurrentDateAndTime()+".jpg", imagen);  
 Toast.*makeText*(getApplicationContext(), ruta, Toast.*LENGTH\_LONG*).show();  
  
 }  
 private String guardarImagen (Context context, String nombre, Bitmap imagen){  
// ContextWrapper cw = new ContextWrapper(context);  
// File dirImages = cw.getDir("Images", Context.MODE\_PRIVATE);  
// String file\_path=Environment.getExternalStorageDirectory().getAbsolutePath()+"/miappfoto";  
// String file\_path=Environment.getExternalStorageDirectory()+"/miappfoto";  
// String file\_path=Environment.getExternalStorageDirectory().toString();  
 String file\_path=Environment.*getExternalStorageDirectory*().toString();  
 File filepath=new File (file\_path+"/Download");  
 if (!*existDirectory*(filepath)){  
 *createDirectory*(filepath);  
 }  
// String file\_path=Environment.DIRECTORY\_PICTURES+"/miappfoto";  
// String CurrentDateAndTime=getCurrentDateAndTime();  
// Toast.makeText(this,file\_path,Toast.LENGTH\_LONG).show();  
// Toast.makeText(this,dirImages.getAbsolutePath(),Toast.LENGTH\_LONG).show();  
// File myPath = new File(dirImages, nombre );  
// File myPath = new File(file\_path+"/miappfoto");  
 File myPath = new File(filepath.toString()+"/miappfoto");  
// File myPath = new File(file\_path);  
// Toast.makeText(this,myPath.toString(),Toast.LENGTH\_LONG).show();  
  
 if (!*existDirectory*(myPath)){  
 Toast.*makeText*(this,"crear"+myPath.toString(),Toast.*LENGTH\_LONG*).show();  
 *createDirectory*(myPath);  
 }  
  
 File file=new File(myPath,nombre);  
 //File file=new File(filepath,nombre);  
 Toast.*makeText*(this,"despues de file:"+file.toString(),Toast.*LENGTH\_LONG*).show();  
  
 FileOutputStream fos = null;  
 try{  
// Toast.makeText(getApplicationContext(), "antes de fos", Toast.LENGTH\_LONG).show();  
 fos = new FileOutputStream(file);  
 // Toast.makeText(getApplicationContext(), file.toString(), Toast.LENGTH\_LONG).show();  
 imagen.compress(Bitmap.CompressFormat.*JPEG*, 100, fos);  
 Toast.*makeText*(getApplicationContext(), "entro a flush", Toast.*LENGTH\_LONG*).show();  
 fos.flush();  
 fos.close();  
 AbleToSave();  
 }catch (FileNotFoundException ex){  
 //ex.printStackTrace();  
 UnableToSave();  
 }catch (IOException ex){  
 //ex.printStackTrace();  
 AbleToSave();  
 }  
 //return myPath.getAbsolutePath();  
 return file.getAbsolutePath();  
 }  
  
  
  
 public static boolean existDirectory(File dir){  
 return (!dir.exists() && dir.isDirectory());  
 }  
 public static boolean createDirectory(File dir){  
 boolean mBool;  
 // return (!existDirectory(dir)&& dir.mkdir());  
 return dir.mkdir();  
 }  
 public String getCurrentDateAndTime(){  
 Calendar c=Calendar.*getInstance*();  
 SimpleDateFormat df=new SimpleDateFormat("yyyy-MM-dd-HH-mm-ss");  
 String formattedDate=df.format(c.getTime());  
 return formattedDate;  
 }  
 private void UnableToSave(){  
 Toast.*makeText*(this,"Error, No se ha grabado",Toast.*LENGTH\_LONG*).show();  
 }  
 private void AbleToSave(){  
 Toast.*makeText*(this,"se ha grabado con exito",Toast.*LENGTH\_LONG*).show();  
 }  
/\* private void MakeSureFileWasCreatedThenMakeAvailable(File file){  
  
 }  
  
 \*/  
  
  
  
  
 @Override  
 protected void onActivityResult(int requestCode, int resultCode, Intent data) {  
 super.onActivityResult(requestCode, resultCode, data);  
 if (requestCode == *REQUEST\_IMAGE\_CAPTURE* && resultCode == *RESULT\_OK*) {  
 Bundle extras = data.getExtras();  
 Bitmap imageBitmap = (Bitmap) extras.get("data");  
 img.setImageBitmap(imageBitmap);  
 Grabar(imageBitmap);  
 }  
 }  
  
}