

Camera app source code for android studio

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On Android, Camera is a hardware device that allows you to capture images and videos in your applications. Follow this tutorial to easily understand how to use a camera in your own Android application. The Android frame provides the ease of working with the camera in two ways: 1. With the existing chamber application 2. Using the API camera # 1 using the camera using the Appearance of the camera We can capture photos without using the instance of the chamber class. Here you will use a type of MediaStore intention action. ACTION_Image_Capture to launch an existing chamber application in your phone. At Android MediaStore is a type of database that stores images and videos on Android. Intencionintente Camera = new intent (android.provider.mediastore.action.Image_capture); # 2 Using the camera using the API camera This class is used to control the camera's cameras. It can be used to take photos when it is building a camera application. API camera works as follows: 1.Camera Manager: This is used to get all the cameras available on the device as a rear camera of the front camera each having the ID Camera. 2.CamerSpositive: You can get it from the Camera Manager class for your ID. 3.CaptureEquest: You can create a capture request from the camera device to capture images. 4.CameraCaptureSession: To obtain the capture request from the chamber device Create a cackmap. 5.CameraCaptureSession.capturecallback: This will provide the results of the capture session. Camera permit statements Promote first, you must declare the camera's requirement in your File Manifest if the camera is mandatory for your application and does not want your application to be installed on a device that does not support the CA Mara Before starting the development in your application, you have to make sure that your manifesto Appropriate statements in it that will allow you to use the chamber function in its application. Identified Yroide of Use Permission: Name = "Android.Permission.Camera" / EXAMPLE OF CAMERA IN ANDROID STUDIO By using the intention of the camera chamber la cAjmara Imagen en DataBase Local En este ejemplo de la cAjmara en Android, te mostrarÃ© cÃ³mo capturar la imagen de la cAjmara del dispositivo usando Intent y almacenar esa imagen de la cAjmara en la base de datos local y mostrar un brindis cuando una imagen se almacena con Ã©xito o cuando se produce algÃºn error al almacenar una imagen. A continuaciÃ³n puede descargar el cÃ³digo, ver la salida final y la explicaciÃ³n paso a paso del ejemplo: Descargar Camera Ejemplo en Android Code De Github Paso 1: Crear un nuevo proyecto en Android Studio y nombrarlo CameraCodeExample Paso 2:Abrir res - concesionario - xml o (actividad_main.xml) y

aÃ±adir el siguiente cÃ³digo AquÃ¡ he utilizado el diseÃ±o de marcos para cargar mis fragmentos. "RelativeLayout xmlns:android="" android:orientation=""vertical"" android:layout_width=""fill parent"" android:layout_height=""fill parent"" < > > > > paquete - tÃ­tulo MainActivity.java AquÃ¡. Estoy cargando mi fragmento predeterminado en el diseÃ±o de marcos en MainActivity; importa android; Manifesto; importaciÃ³n android.app.Activity; importaciÃ³n android.content; IntenciÃ³n; importaciÃ³n android.content.pm.PackageManager; importaciÃ³n android.graphics; Bitmap; import android.os.Build; import android.support.annotation.NonNull; import android.support.annotation.Nullable; import android.support.annotation.RequiresApi; import android.support.v4.app.Fragment; import android.support.v4.appos.Transaction; import android.support.7.appos. AgrupaciÃ³n; importaciÃ³n android.view; Vista; importaciÃ³n android.widget; FrameLayout; importaciÃ³n eroid. widget; ImageView; import android.widget; TextView; importaciÃ³n android.widget; Toast; import com.example.camercacodeexample.Fragments.CameraFragment; public class MainActivity extends AppCompatActivity { FrameLayout frameLayout; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState).load load (new chamber fragment (), false); } Public charging vacuum (fragment fragment, bool Booleano) (fragmentTransaction Transaction = GetSupportFragmentManager (). BEGINTRANSACTION (); transaction.Replace (r.id.frameLayout, fragment); IF (BOOL) transaction.addtobackstack (null); Transaction.commit (); } } Step 4: Open Resolution -> Design -> XML O (chamber. fragment.xml) I used two text views, where you can click on an image and save it in the database and one for See that stored image. TextView Step 5: Now explain the methods used in the chamber fragment: Verify the permissions of the camera: for the first we have Used function requests (new chain [] {manifesto.Permission.Camera}, my. camera. permission_code); We will verify if the user has given permissions or not, if not, first, we will ask you user permissions if a user is using the Android version of Android Marshmallow (API 23), since from Android Marshmallow (API 23) and superior for Defect, all dangerous permission disabled. When the application opens for the first time after the installation, you must grant permissions. But if the Android version is below Marshmallow, then this function will not be called. (NewString [] {manifest.permission.camera}, my. camera. permission_code) StartactivityForResult (Cameraintent, Camera. Request) MÃ¡todo: Ahora vamos a llamar a la funciÃ³n funciÃ³n Camera. Request); When you start an activity for the result, request a chamber to take a photo and then return it to your call activity, a unique integer value or anything that has not been used in that class. The request code helps him identify as intention he returned. Therefore, that the camera request could be any value that was defined in your class like this: Private Static Final INT camera. request = 1888 @Override Void Void OnactivityResult (INT request code, int, all of lugs. @ Nullable Intent Data) (If (Request code == camera. request && ResultOPode = = activity.result. ok) {TheImage = (Bitmap) data.getExtras (). Get ("data"); photo = GetenCodeString (Theimage); Setdatatodatabase (); } } getncodestring (bitmap bitmap) method: since now I can click on an image of the camera, but that image is in the form of a bitmap, but I want to store it as a string in the database. So I'm going to codify it using the BytearrayOutPutstream class. This class has a copy of the data and send it to multiple flows. Private Chain GetInCodedString (Bitmap Bitmap Map) {bytearrayoutPutstream OS = new bytearrayouttream (); bitmap.compress (bitmap.compressformat.jpeg, 100, OS); / * or use then if you want images of 32 bit bitmap.compress (bitmap.compressformat.png, 100, OS); * / byte [] ImageArr = OS.Tobytearray (); Returve base64.eteteTering (ImageArr, Base64.url. Safe); } Setdatatodasabase () method: Now I am storing data (image) to a database (I have used SQLITE). Here, the Class ContentValues helps to inform information within an object in the form of key value pairs for columns. To insert or update your writing, the object can be passed to an instance of the SQLitadosAbase class. SetDatatodatabase () {db = databasehandlerbase (db = databasehandleraspase (), contentValues â € xml o (local. fragment.xml) En este fragmento, he utilizado la vista Recycler para mostrar los datos almacenados en la DataBase. Local. fragment.xml Step 8:Open src -> package -> LocalResponse.java This is the model class that populates the data in adapter here String represents the encoded String(image) that was saved in the database and int represents the respective data that we will be populating. public class LocalResponse { String image; int uid; public int getUid() { return uid; } public void setUid(int uid) { this.uid = uid; } public String getImage() { return image; } public void set El cursor es una interfaz que contiene el conjunto de resultados de la consulta realizada contra la base de datos en android. Cuando recuperamos algunos datos, la base de datos creaAr, primero el objeto Cursor, el puntero de este objeto es to the 0th position. InflateIntangible. JLinearLayout xmlns:android="" android:layout_width=""match parent"" android:layout_height=""match parent"" xmlns:app="" android:orioriori Step 11: Open SRC -> Package -> LocalDatabaseadAdapter.java here I have used two methods. One is getbitmapfromencodedstring (codidstring chain) that is used to decode the base64 class in the byte matrix and then we use this byte matrix to convert Bitmap DecodidByte. The second is deletedata (Final Int position, List of Singleroswarraylist Final ArrayList) This method is used to eliminate data from a particular position in the database. We can delete selected rows from the database using the WHERE clause with the elimination query, otherwise, all records will be deleted. Import android.content.Context; Import android.content.dialoginterface; Import android.database.sqlite.sqlitedatabase; Import android.graphics.bitmap; Import android.graphics.bitmapFactory; Import Android.Support.Annotation.null; Import android.support.v7.app.alertdialog; Import android.support.v7.widget.recyclerview; Import android.util.base64; Import Android.View.LayoutInflater; Import Android.View.View; Import Android.View.ViewGroup; Import Android.widget.ImageView; Import com.squareup.picasso.picasso; Import java.util.arraylist; Public class LocalDatabaseapter extends recycling. Adapter {context context; Arraylist Singleerowarraylist; Sqllitedatabase DB; Databasehandler mydatabase; LocalDatabaseapter Public LocalDatabaseapter (context, arraylist singleerowarraylist, sqllitedatabase db, databasehandler mydatabase) {east.context = context; This. este.db = dB; This.MyDatabase = MyDatabase; @Nonnull @Override Public MyViewHermeder oncreeEemiewholder (@nonnull viewgroup viewgroup, int i) {see view = LayoutInflater.from (context) .inflate (R.Layout.Local_Database_Items, Null); MyVIENHERMER MYVIEWHERMER = NEW MYVIENHERMERMER (VIEW); Return to MyViewHermeder; }. myViewHolder.delete.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View v) { removedata(i,singleRowArrayList); } }) @Override public int getItemCount() { return singleRowArrayList.size(); Clase MyViewHolder extiende RecyclerView. ViewHolder { AlertDialog.Builder(context) .set. setPositiveButton("SÃ¡", nuevo DialogInterface.OnClickListener() { @Override public void onClick(DialogInterface dialog, int which) { /* Esto es donde las borraciones deben ser manejadas */ myDatabase.deleteIntroducciÃ³n(singleRowArrayList.get(position).getUid()); singleRowArrayList.remove(position); notifyItRemoved(position); notifiquDataSetChanged(); myDatabase.close(); //(MainActividad) tienda.

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