**Add quyền**

<**uses-permission android:name="android.permission.INTERNET"** />  
<**uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"**/>

**Thêm thư viện (https://github.com/cloudinary/cloudinary\_android)**

implementation **'com.cloudinary:cloudinary-android:2.3.1'**

**Cấp quyền cho ứng dụng truy cập vào thư viện hình ảnh và chọn hình ảnh cần upload**

**private final int PERMISSION\_CODE** = 1;

**private void** requestPermission() {  
 **if** (ContextCompat.*checkSelfPermission*(**this**, android.Manifest.permission.***READ\_EXTERNAL\_STORAGE***) == PackageManager.***PERMISSION\_GRANTED***) {  
 accessTheGallery();  
 } **else** {  
 ActivityCompat.*requestPermissions*(**this**, **new** String[]{android.Manifest.permission.***READ\_EXTERNAL\_STORAGE***}, ***PERMISSION\_CODE***);  
 }  
}  
  
@Override  
**public void** onRequestPermissionsResult(**int** requestCode, @NonNull String[] permissions, @NonNull **int**[] grantResults) {  
 **super**.onRequestPermissionsResult(requestCode, permissions, grantResults);  
 **if** (requestCode == ***PERMISSION\_CODE***) {  
 **if** (grantResults.**length** > 0 && grantResults[0] == PackageManager.***PERMISSION\_GRANTED***) {  
 accessTheGallery();  
 } **else** {  
 Toast.*makeText*(**this**, **"permission denied"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
}  
  
**public void** accessTheGallery() {  
 Intent i = **new** Intent(Intent.***ACTION\_PICK***, android.provider.MediaStore.Images.Media.***EXTERNAL\_CONTENT\_URI***);  
 i.setType(**"image/\*"**);  
 **myLauncher**.launch(i);  
}  
  
**private** ActivityResultLauncher<Intent> **myLauncher** = registerForActivityResult(**new** ActivityResultContracts.StartActivityForResult(), **new** ActivityResultCallback<ActivityResult>() {  
 @Override  
 **public void** onActivityResult(ActivityResult result) {  
 *//get the image's file location* **filePath** = getRealPathFromUri(result.getData().getData(), MainActivity2.**this**);  
  
 **if** (result.getResultCode() == ***RESULT\_OK***) {  
 **try** {  
 *//set picked image to the mProfile* Bitmap bitmap = MediaStore.Images.Media.*getBitmap*(getContentResolver(), result.getData().getData());  
 **mProfile**.setImageBitmap(bitmap);  
 } **catch** (IOException e) {  
 e.printStackTrace();  
 }  
 }  
 }  
});  
  
**private** String getRealPathFromUri(Uri imageUri, Activity activity) {  
 Cursor cursor = activity.getContentResolver().query(imageUri, **null**, **null**, **null**, **null**);  
  
 **if** (cursor == **null**) {  
 **return** imageUri.getPath();  
 } **else** {  
 cursor.moveToFirst();  
 **int** idx = cursor.getColumnIndex(MediaStore.Images.ImageColumns.***DATA***);  
 **return** cursor.getString(idx);  
 }  
}

**Config Cloudinary**

HashMap<String, String> **config** = **new** HashMap<>();  
  
**private void** configCloudinary() {  
 **config**.put(**"cloud\_name"**, **"cloud\_name\_của\_bạn"**);  
 **config**.put(**"api\_key"**, **"api\_key\_của\_bạn"**);  
 **config**.put(**"api\_secret"**, **"api\_secret\_của\_bạn"**);  
 MediaManager.*init*(MainActivity2.**this**, **config**);  
}

**Upload hình ảnh**

**private void** uploadToCloudinary(String filePath) {  
 Log.*d*(**"A"**, **"sign up uploadToCloudinary- "**);  
 MediaManager.*get*().upload(filePath).callback(**new** UploadCallback() {  
 @Override  
 **public void** onStart(String requestId) {  
 **mText**.setText(**"Bắt đầu upload"**);  
 }  
  
 @Override  
 **public void** onProgress(String requestId, **long** bytes, **long** totalBytes) {  
 **mText**.setText(**"Đang upload... "**);  
 }  
  
 @Override  
 **public void** onSuccess(String requestId, Map resultData) {  
 **mText**.setText(**"Thành công: "** + resultData.get(**"url"**).toString());  
 }  
  
 @Override  
 **public void** onError(String requestId, ErrorInfo error) {  
 **mText**.setText(**"Lỗi "** + error.getDescription());  
 }  
  
 @Override  
 **public void** onReschedule(String requestId, ErrorInfo error) {  
 **mText**.setText(**"Reshedule "** + error.getDescription());  
 }  
 }).dispatch();  
}