移动互联网开发(7): Intent

Atidote 已干 2023-12-09 20:16:23 修改



移动互联网开发 专栏收录该内容

0 订阅 7 篇文章

订阅专栏

一、实验目的

掌握Intent启动外部应用并交互数据的方法,了解Android权限和访问外部文件的方法。

二、实验内容

在SQLite版本的班级名单基础上实现以下功能

- 1. 设计修改列表项的 Fragment Q 页面,支持调用相机和读取图库中照片;
- 2. 将拍摄的或选中的照片设置为该名单对应的头像,并在列表中更新显示;
- 3. 将名单和图片文件的对应关系保存在 SQLite数据库Q中,下次重启应用的时候可以看到名单的头像;
- 4. 将名单对应的头像照片保存在web服务器上, 启动时批量下载头像(异步任务或独立工作线程)。
- 2,3是一组功能, 4是一组功能, 选做一组。
- 三、具体实现

AndroidManifest.xml

人谷米源:csdn.net

HEIDEN. Allable

原文链接:https://blog.csdn.net/qq_56204872/article/details/134899795

乍者主页: https://blog.csdn.net/qq 56204872

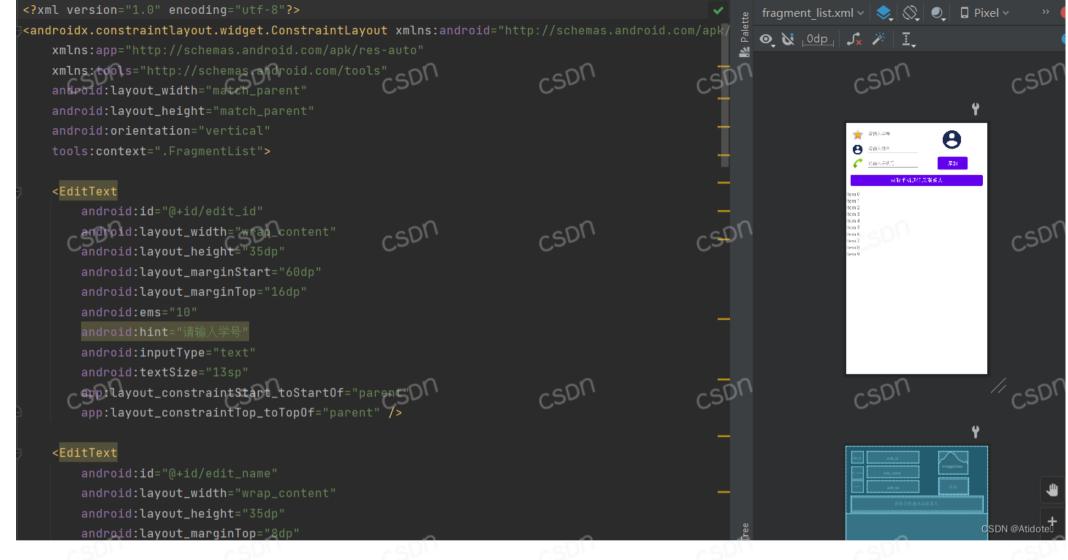
```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
                                                                                csDN
   package="com.example.Decyclerstudentsglitephone">
    <uses-permission android:name="android.permission.WRITE_CONTACTS" />
    <uses-permission android:name="android.permission.READ_CONTACTS" />
    <uses-permission android:name="android.permission.GET_ACCOUNTS" />
    <uses-permission android:name="android.permission.CALL_PHONE" />
    <uses-permission android:name="android.permission.CAMERA" />
    <uses-permission android name="android permission READ_EXTERNAL_STORAGE" />
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"</pre>
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="RecyclerStudentSQLitePhone"
        android:roundIcon="@mipmap/ic_launcher_round"
     c Sandroid:supportsRt[]"true"
        android:theme="@style/Theme.RecyclerStudentSQLitePhone"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
     CSDN <intent-filter⊱n
                                                                                C.SDN
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
                                                                                     内容来源: csdn.net
                                                                                     原文链接:https://blog.csdn.net/qq_56204872/a
                                                                                    作者主页:https://blog.csdn.net/qq_56204872
 /manifest>
```

fragment_list.xml

内容来源: csdn.net 作者昵称: Atidote

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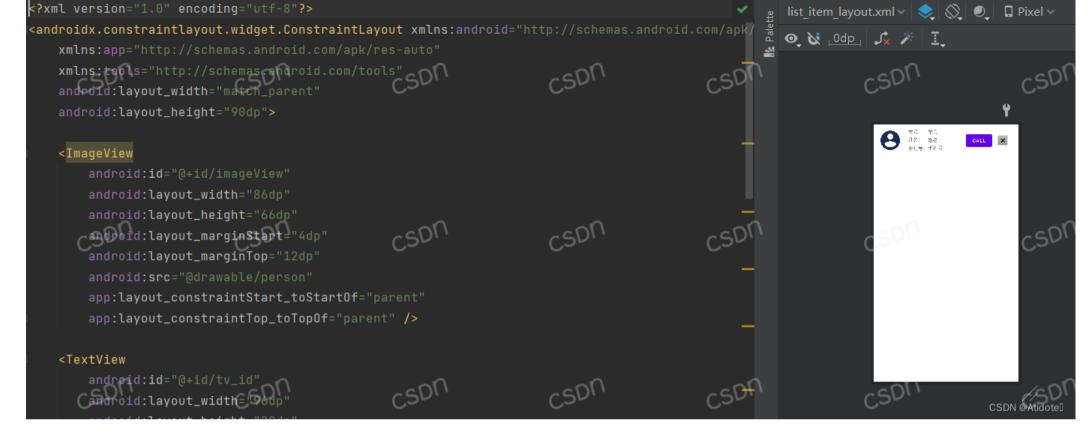


list item layout.xml

内容来源: csdn.net

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MainActivity



```
package com.example.recyclerstudentsqlitephone;
import ...
public class MainActivity extends AppCompatActivity {
   @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        FragmentManager fm = getSupportFragmentManager();
        Fragment fragment = fm.findFragmentById(R.id.fragment_list);
        if (fragment == null) {
            fragment = new FragmentList();
            fm.beginTransaction()
                    .add(R.id.fragment_list, fragment)
   @Override
   protected void onStart() {
       Getpermission.checkPermission( activity: this);
                                                           CSDN @Atidote[]
```

FragmentList

cspn cspn

内容来源: csdn.ne

原文链接: https://blog.csdn.net/qq_56204872/article/details/13489979

作者主面: https://blog.csdn.net/gg_5620487

```
//判断是否有权限
    if (ContextCompat.checkSelfPermission(getContext(), Manifest.permission.READ_CONTACTS)
            != PackageManager.PERMISSION_GRANTED) {
        ActivityCompat.requestPermissions(getActivity(), new String[]{Manifest.permission.READ_CONTACTS}, requestCode: 201)
        return;
@Nullable
@Override
public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {
   //1.获取fragment_list视图 S
   View view = inflater.inflate(R.layout.fragment_list, container, attachToRoot: false);
   initView(view);
   initData();
    return view;
@SuppressLint("Range")
public void refreshList() {
   //清空学生列表
   dataStu.clear();
   //cursor游标读取数据库内容
   Cursor cursor = readableDatabase.query( table: "shudents", columns: null, selection: null, selectionArgs: null, groupBy: null, having: null, orderBy
    while (cursor.moveToNext()) {
                                                                                                                                      CSDN @Atidote
```

PhoneInfo

cspn cspn cspn

内容来源:csdn.net 作者昵称:Atidote 原文链接:https://blog.csdn.net/qq_56204872/article/details/134899795

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```
ublic class PhoneInfo {
  public final static String ID = ContactsContract.CommonDataKinds.Phone.CONTACT_ID;
  public final static String NUM = ContactsContract.CommonDataKinds.Phone.NUMBER
  public final static String NAME = ContactsContract.CommonDataKinds.Phone.DISPLAY_NAME;
  private Context context;
  private Uri phoneUri = ContactsContract.CommonDataKinds.Phone.CONTENT_URI;
  public PhoneInfo(Context context) { this.context = context; }
  public List<Student> getPhone() {
      List<Student> dataStu = new ArrayList<>();
      ContentResolver cr = context.getContentResolver();
      Cursor cursor = cr.query(phoneUri, new String[]{ID, NUM, NAME}, selection: null, selectionArgs: null, sortOrder: null);
      while (cursor.moveToNext()) {
          @SuppressLint("Range") Student student = new Student(cursor.getString(cursor.getColumnIndex(ID)), cursor.getString(cursor.getColumnIndex(
          dataStu.add(student);
      return dataStu;
                                                                                                                                             CSDN @Atidote
```

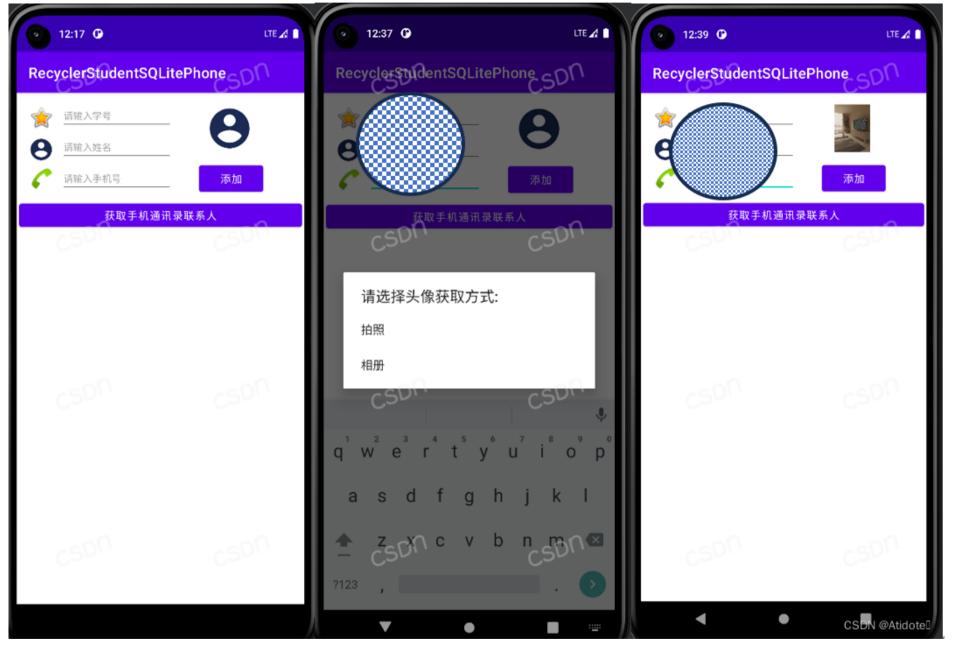
四、运行结果

内容来源: csdn.net

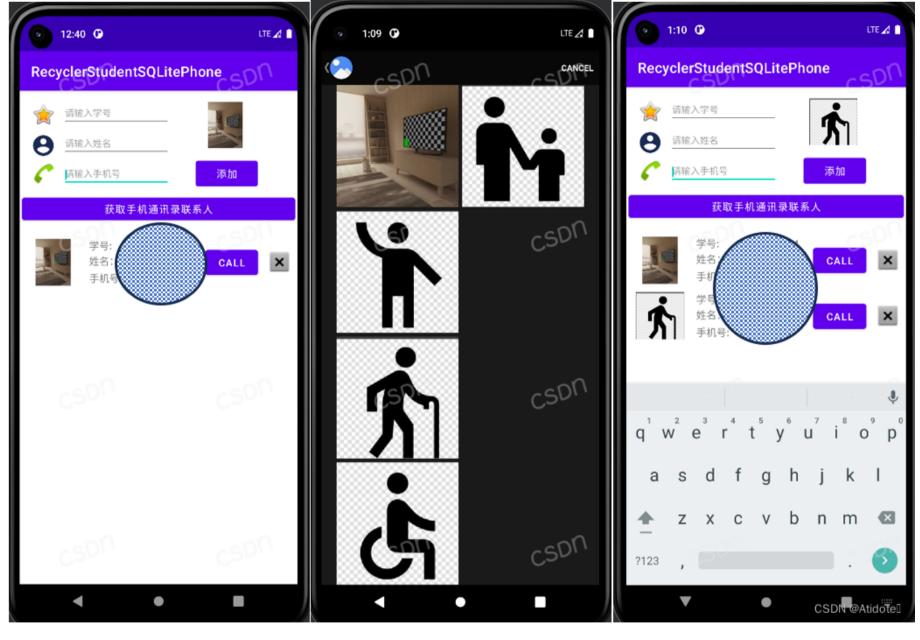
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添加完成 添加图库头像

cspn cspr

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SQLite数据库中头像及其对应关系

四、反思与总结

本实验实现2,3功能,从本地相册添加头像,在upload图片到虚拟机的过程中始终出现无法在图库中扫描到图片的问题,尝试mount Virtual SD卡未能解决,最终查阅资料通过长按关机键重启虚拟机实现本地资源更新(真机无需烦恼),进而实现在本地图库上传头像。

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