**基于Android的读书笔记软件**

1. **系统的需求分析**

**1.1系统目标**

目本程序旨在开发一款简单实用、易操作的一款读书笔记软件。

**1.2功能需求**

该记事本软件应该具有以下功能：

（1）登录

（2）书籍分类管理

（3）书籍管理

（4）我的读书笔记

（5）汇总每个用户的笔记数量

（6）统计某一个用户的每一本书的笔记数量

1. **系统的概要设计**

该软件是一款是基于Android开发的手机应用，简单实用，易于上手。

* 1. 运行环境

1.Android手机或平板电脑：主频在1Ghz及以上，内存为1GB以上，系统版本为Android4.4.2及以上。

2.在android studio平台下安装了安卓android SDK 插件的电脑：Window All

* 1. 数据库表设计

classification表

|  |  |  |
| --- | --- | --- |
| 列名 | 数据类型 | 是否允许空 |
| \_Id | integer | 不允许 |
| classname | text | 不允许 |

book表

|  |  |  |
| --- | --- | --- |
| 列名 | 数据类型 | 是否允许空 |
| \_Id | integer | 不允许 |
| bookName | text | 不允许 |
| author | text | 不允许 |
| publish | text | 不允许 |
| ISBN | text | 不允许 |
| classname | text | 不允许 |

note表

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| --- | --- | --- |
| 列名 | 数据类型 | 是否允许空 |
| userID | integer | 不允许 |
| bookID | integer | 不允许 |
| date | integer | 不允许 |
| content | text | 不允许 |

user表

|  |  |  |
| --- | --- | --- |
| 列名 | 数据类型 | 是否允许空 |
| \_Id | integer | 不允许 |
| userName | text | 不允许 |
| password | text | 不允许 |

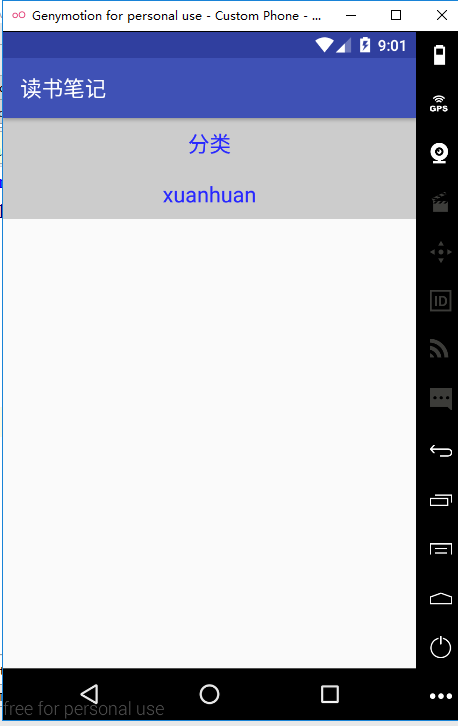
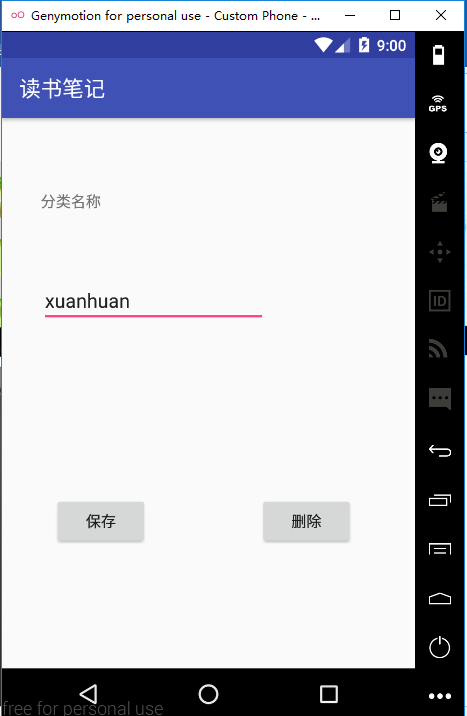
* 1. 数据库表语句

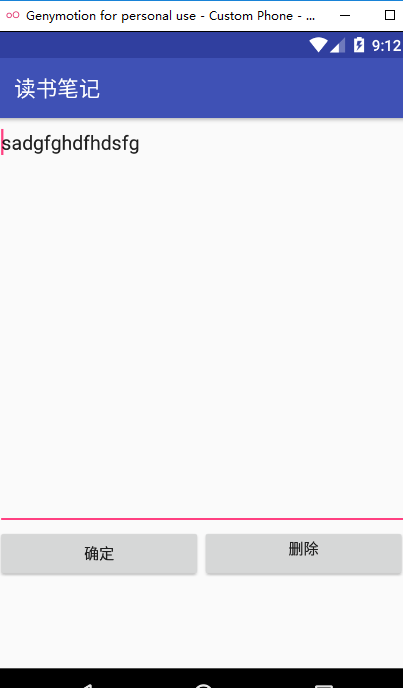
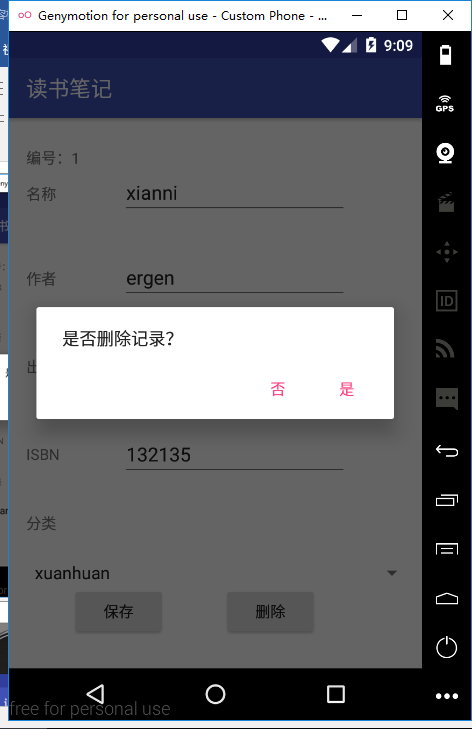
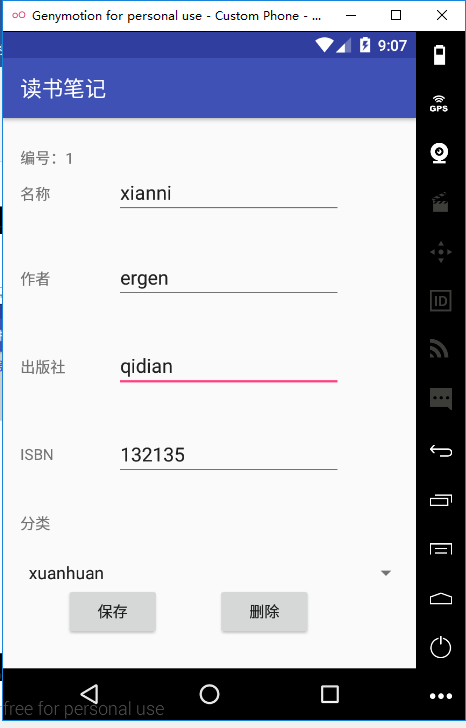
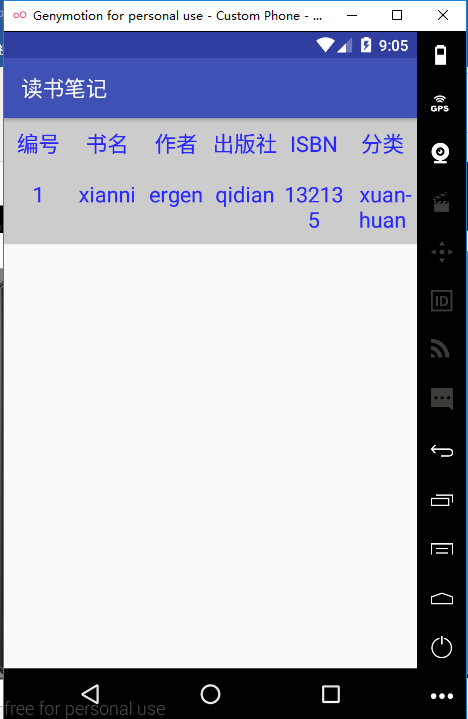
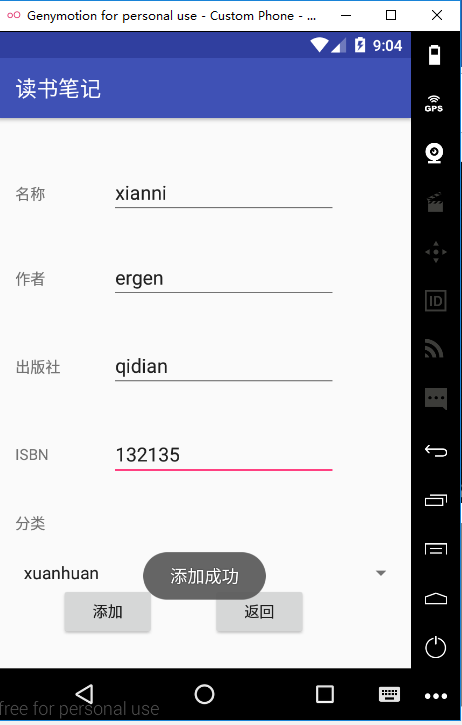
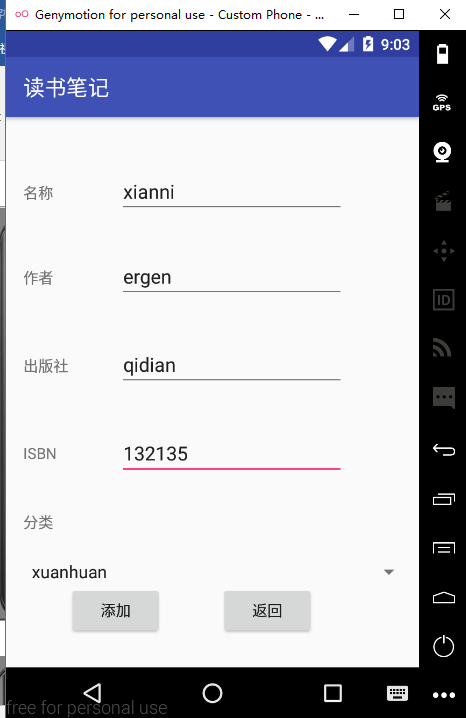
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| String classSQL =  "create table classification("  + "\_id INTEGER PRIMARY KEY,"  + "classname text not null"  + ");";  String bookSQL = "create table book("  + "\_id INTEGER PRIMARY KEY,"  + "bookName text not null,"  + "author text ,"  + "publish text ,"  + "ISBN text,"  + "classname text"  + ");";  String userSQL ="create table user("  + "\_id INTEGER PRIMARY KEY, "  + "username text not null,"  + "password text not null"  + ");";  String noteSQL ="create table note("  + "userID INTEGER not null, "  + "bookID INTEGER not null,"  + "date text not null,"  + "content text,"  + "primary key(userID,bookID,date),"  +"foreign key(userID) references user(\_id) on delete cascade on update cascade,"  +"foreign key(bookID) references book(\_id) on delete cascade on update cascade"  + ")"; |

1. **设计与实现部分**

运行画面截图









关键代码：

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| Data |
| **public class** Data **extends** Application {  **private static** String *application\_userID*;   **public** String getApplication\_userID(){  **return this**.*application\_userID*;  }  **public void** setApplication\_userID(String c){  **this**.*application\_userID*= c;  }  @Override  **public void** onCreate(){  *application\_userID* = **""**;  **super**.onCreate();  } |

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| DB |
| **package** com.dingcheng365.book;  **import** android.content.ContentValues; **import** android.content.Context; **import** android.database.Cursor; **import** android.database.sqlite.SQLiteDatabase; **import** android.database.sqlite.SQLiteOpenHelper; **import** android.util.Log;  */\*\*  \* Created by Administrator on 2017/4/13 0013.  \*/* **public class** DB **extends** SQLiteOpenHelper {  *// 函数 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\** **private** SQLiteDatabase **db**;  *// 构造* **public** DB(Context context)  {  **super**(context, **"book.db"**, **null**,1);  Log.*d*(**"book.db"**,**"调用DB构造函数"**);  }   *// 创建* @Override  **public void** onCreate(SQLiteDatabase db) {  String classSQL =  **"create table classification("** + **"\_id INTEGER PRIMARY KEY,"** + **"classname text not null"** + **");"**;  String bookSQL = **"create table book("** + **"\_id INTEGER PRIMARY KEY,"** + **"bookName text not null,"** + **"author text ,"** + **"publish text ,"** + **"ISBN text,"** + **"classname text"** + **");"**;  String userSQL =**"create table user("** + **"\_id INTEGER PRIMARY KEY, "** + **"username text not null,"** + **"password text not null"** + **");"**;  String noteSQL =**"create table note("** + **"userID INTEGER not null, "** + **"bookID INTEGER not null,"** + **"date text not null,"** + **"content text,"** + **"primary key(userID,bookID,date),"** +**"foreign key(userID) references user(\_id) on delete cascade on update cascade,"** +**"foreign key(bookID) references book(\_id) on delete cascade on update cascade"** + **")"**;   db.execSQL(classSQL);  db.execSQL(bookSQL);  db.execSQL(userSQL);  db.execSQL(noteSQL);  Log.*d*(**"book.db"**,**"调用DB.onCreate()"**);  }   **public void** exec(String sql)  {  **db**.execSQL(sql);  }  *//classification\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //classification插入方法* **public void** insertClassification(ContentValues values) {  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//插入* db.insert(**"classification"**, **null**, values);  db.close();  System.***out***.printf(**"数据库插入操作"**);  }   *//classification查询方法* **public** Cursor queryClassification() {  System.***out***.printf(**"数据库查询方法"**);  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//查询获得Cursor* Cursor cursor = db.query(**"classification"**, **null**, **null**, **null**, **null**, **null**, **null**);  **return** cursor;  }  *//classification查询方法* **public** Cursor queryClassificationName(String classname) {  System.***out***.printf(**"数据库查询方法"**);  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  String sql=**"select \* from classification where classname='"**+classname+**"'"**;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }  **public** Cursor queryClassificationID(String classID) {  System.***out***.printf(**"数据库查询方法"**);  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  String sql=**"select \* from classification where \_id='"**+classID+**"'"**;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }  *//classification删除方法* **public void** delClassification(**int** id)  {  System.***out***.printf(**"数据库删除方法"**);  **if**(**db**==**null**)  {  *//获得SQLiteDateBase实例* SQLiteDatabase db=getWritableDatabase();  *//删除* db.delete(**"classification"**,**"\_id=?"**, **new** String[]{String.*valueOf*(id)});  }  }   *//book\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //book插入方法* **public void** insertBook(ContentValues values) {  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//插入* db.insert(**"book"**, **null**, values);  db.close();  System.***out***.printf(**"数据库插入操作"**);  }   *//book查询方法* **public** Cursor queryBook() {  System.***out***.printf(**"数据库查询方法"**);  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//查询获得Cursor* Cursor cursor = db.query(**"book"**, **null**, **null**, **null**, **null**, **null**, **null**);  **return** cursor;  }   *//book删除方法* **public void** delBook(**int** id)  {  System.***out***.printf(**"数据库删除方法"**);  **if**(**db**==**null**)  {  *//获得SQLiteDateBase实例* SQLiteDatabase db=getWritableDatabase();  *//删除* db.delete(**"book"**,**"\_id=?"**, **new** String[]{String.*valueOf*(id)});  }  } *//User\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //User插入方法* **public void** insertUser(ContentValues values) {  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//插入* db.insert(**"user"**, **"username"**, values);  db.close();  System.***out***.printf(**"数据库插入操作"**);  }   *//User查询方法* **public** Cursor queryUser() {  System.***out***.printf(**"数据库查询方法"**);  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//查询获得Cursor* Cursor cursor = db.query(**"user"**, **null**, **null**, **null**, **null**, **null**, **null**);  **return** cursor;  }  **public** Cursor queryUserName(String username)  {  SQLiteDatabase db = getWritableDatabase();  String sql=**"select \* from user where username='"**+username+**"'"**;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }   *//User删除方法* **public void** delUser(**int** id)  {  System.***out***.printf(**"数据库删除方法"**);  **if**(**db**==**null**)  {  *//获得SQLiteDateBase实例* SQLiteDatabase db=getWritableDatabase();  *//删除* db.delete(**"user"**,**"\_id=?"**, **new** String[]{String.*valueOf*(id)});  }  }  *//Note\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //Note插入方法* **public void** insertNote(ContentValues values) {  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//插入* db.insert(**"note"**, **null**, values);  db.close();  System.***out***.printf(**"数据库插入操作"**);  }   *//Note查询方法* **public** Cursor queryNote(String selection,String[] selectionArgs) {  System.***out***.printf(**"数据库查询方法"**);  *//获得SQLiteDataBase实例* SQLiteDatabase db = getWritableDatabase();  *//查询获得Cursor* Cursor cursor = db.query(**"note"**, **null**,selection, selectionArgs, **null**, **null**, **null**);  **return** cursor;  }  **public** Cursor queryNoteByUser(String userID)  {  SQLiteDatabase db = getWritableDatabase();  String sql=**"select \* from note where userID="**+userID;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }  **public** Cursor queryNoteByUBD(String userID,String bookID,String date)  {  SQLiteDatabase db = getWritableDatabase();  String sql=**"select \* from note where userID='"**+userID+**"' and bookID='"**+bookID+**"' and date='"**+date+**"'"**;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }  *//Note删除方法* **public void** delNote(**int** userID,**int** bookID,String data)  {  System.***out***.printf(**"数据库删除方法"**);  **if**(**db**==**null**)  {  *//获得SQLiteDateBase实例* SQLiteDatabase db=getWritableDatabase();  *//删除* db.delete(**"note"**,**"usrID=?,bookID=?,data=?"**, **new** String[]{String.*valueOf*(userID),String.*valueOf*(bookID),String.*valueOf*(data)});  }  } *//sum* **public** Cursor sumBook(String userID)  {  SQLiteDatabase db = getWritableDatabase();  String sql=**"select bookID ,count(\*) as count from note group by bookID having userID="**+userID;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }  **public** Cursor sumUser()  {  SQLiteDatabase db = getWritableDatabase();  String sql=**"select userID ,count(\*) as count from note group by userID"**;  Cursor cursor=db.rawQuery(sql,**null**);  **return** cursor;  }  *//关闭数据库* **public void** close()  {  System.***out***.printf(**"数据库删除方法"**);  **if**(**db**!=**null**)  {  **db**.close();  }  }  @Override  **public void** onUpgrade(SQLiteDatabase db, **int** oldVersion, **int** newVersion) {  Log.*d*(**"StudentMis"**,**"调用DB.onUpgrade()"**);  } } |

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| AboutActivity |
| **package** com.dingcheng365.book;  **import** android.content.Context; **import** android.content.Intent; **import** android.support.v7.app.AppCompatActivity; **import** android.os.Bundle; **import** android.view.View;  **public class** AboutActivity **extends** AppCompatActivity {   @Override  **protected void** onCreate(Bundle savedInstanceState) {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***about\_layout***);  }  *//函数自定义\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //启动* **public static void** actionStart(Context context)  {  Intent intent = **new** Intent(context,AboutActivity.**class**);  context.startActivity(intent);  }  *//函数事件\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //关闭单击* **public void** btnAboutClose\_Click(View view)  {  finish();  } } |

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| BookAddActivity |
| **package** com.dingcheng365.book;  **import** android.content.ContentValues; **import** android.database.Cursor; **import** android.support.v7.app.AppCompatActivity; **import** android.os.Bundle; **import** android.view.View; **import** android.widget.ArrayAdapter; **import** android.widget.EditText; **import** android.widget.Spinner; **import** android.widget.TextView; **import** android.widget.Toast;  **import** java.util.ArrayList;  **public class** BookAddActivity **extends** AppCompatActivity {  **private** DB **db**=**new** DB(**this**);  **private** EditText **et\_bookName**;  **private** EditText **et\_author**;  **private** EditText **et\_publish**;  **private** EditText **et\_ISBN**;  **private** TextView **tv\_classname**;  **private** Spinner **sp\_classname**;  **private** ArrayAdapter<String> **adapter**;  @Override  **protected void** onCreate(Bundle savedInstanceState) {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***book\_add\_layout***);  **et\_bookName**=(EditText)findViewById(R.id.***bookAdd\_et\_bookName***);  **et\_author**=(EditText)findViewById(R.id.***bookAdd\_et\_author***);  **et\_publish**=(EditText)findViewById(R.id.***bookAdd\_et\_publish***);  **et\_ISBN**=(EditText)findViewById(R.id.***bookAdd\_et\_ISBN***);  **tv\_classname**=(TextView)findViewById(R.id.***bookAdd\_tv\_classname***);  **sp\_classname**=(Spinner)findViewById(R.id.***bookAdd\_sp\_classname***);  Cursor cursor=**db**.queryClassification();  ArrayList<String> classnameArray=**new** ArrayList<String>();  String classname;  **while** (cursor.moveToNext())  {  classname=cursor.getString(cursor.getColumnIndex(**"classname"**));  classnameArray.add(classname);  }  *//将可选内容与ArrayAdapter连接起来* **adapter** = **new** ArrayAdapter<String>(**this**,android.R.layout.***simple\_spinner\_item***,classnameArray);   *//设置下拉列表的风格* **adapter**.setDropDownViewResource(android.R.layout.***simple\_spinner\_dropdown\_item***);   *//将adapter 添加到spinner中* **sp\_classname**.setAdapter(**adapter**);   *//添加事件Spinner事件监听* **sp\_classname**.setOnItemSelectedListener(**new** Spinner(**this**).getOnItemSelectedListener());   *//设置默认值* **sp\_classname**.setVisibility(android.view.View.***VISIBLE***);  }  **public void** bookAdd\_bt\_sub\_Click(View view)  {  String bookName=**""**;  String author=**""**;  String publish=**""**;  String ISBN=**""**;  String classname=**""**;  bookName=**et\_bookName**.getText().toString();  author=**et\_author**.getText().toString();  publish=**et\_publish**.getText().toString();  ISBN=**et\_ISBN**.getText().toString();  classname=**sp\_classname**.getSelectedItem().toString();  ContentValues contentValues=**new** ContentValues();  contentValues.put(**"bookName"**,bookName);  contentValues.put(**"author"**,author);  contentValues.put(**"publish"**,publish);  contentValues.put(**"ISBN"**,ISBN);  contentValues.put(**"classname"**,classname);  **db**.insertBook(contentValues);  Toast.*makeText*(BookAddActivity.**this**,**"添加成功"**,Toast.***LENGTH\_LONG***).show();  }  **public void** bookAdd\_bt\_ret\_Click(View view)  {  finish();  } } |

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| BookDisplayActivity |
| package com.dingcheng365.book;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleCursorAdapter;  import android.widget.TextView;  public class BookDisplayActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.book\_display\_layout);  //实例DBHelper  final DB db=new DB(this);  //获得Cuosor  Cursor c=db.queryBook();  int count= c.getCount();  //列表项数组  String[] from={"\_id","bookName","author","publish","ISBN","classname"};  //列表项id  int[] to={R.id.bookDisplay\_tv\_bookID,R.id.bookDisplay\_tv\_bookName,R.id.bookDisplay\_tv\_author,R.id.bookDisplay\_tv\_publish,R.id.bookDisplay\_tv\_ISBN,R.id.bookDisplay\_tv\_classname};  //列表视图  final ListView listView=(ListView) findViewById(R.id.bookDisplay\_list);  //适配器  SimpleCursorAdapter adapter=new SimpleCursorAdapter(this,R.layout.book\_display\_layout,c,from,to,0);//this,R.layout.display\_layout,c,from,to  //为列表添加适配器  listView.setAdapter(adapter);  //对话框  final AlertDialog.Builder builder=new AlertDialog.Builder(this);  //为listView添加监听  listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  @Override  public void onItemClick(final AdapterView<?> arg0, View arg1, int arg2, long arg3) {  String mytitleID = null;  String mytitleName = null;  String mytitlePublish = null;  String mytitleISBN = null;  String mytitleAuthor = null;  String mytitleCN = null;  String mycontent = null;  switch(arg0.getId())  {  case R.id.bookDisplay\_list:  ListView templist = (ListView) arg0;  View mView = templist.getChildAt(arg2);  TextView mytextviewID = (TextView) mView.findViewById(R.id.bookDisplay\_tv\_bookID);  mytitleID = mytextviewID.getText().toString();  TextView mytextviewName = (TextView) mView.findViewById(R.id.bookDisplay\_tv\_bookName);  mytitleName = mytextviewName.getText().toString();  TextView mytextviewAuthor = (TextView) mView.findViewById(R.id.bookDisplay\_tv\_author);  mytitleAuthor = mytextviewAuthor.getText().toString();  TextView mytextviewPublish = (TextView) mView.findViewById(R.id.bookDisplay\_tv\_publish);  mytitlePublish = mytextviewPublish.getText().toString();  TextView mytextviewISBN = (TextView) mView.findViewById(R.id.bookDisplay\_tv\_ISBN);  mytitleISBN = mytextviewISBN.getText().toString();  TextView mytextviewCN = (TextView) mView.findViewById(R.id.bookDisplay\_tv\_classname);  mytitleCN = mytextviewCN.getText().toString();  }  Bundle bundle=new Bundle();  bundle.putString("bookID",mytitleID);  bundle.putString("bookName",mytitleName);  bundle.putString("author",mytitleAuthor);  bundle.putString("publish",mytitlePublish);  bundle.putString("ISBN",mytitleISBN);  bundle.putString("classname",mytitleCN);  Intent intent=new Intent(BookDisplayActivity.this,BookEditActivity.class);  intent.putExtras(bundle);  startActivity(intent);  }  });  //关闭数据库  db.close();  }  } |

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| BookEditActivity |
| package com.dingcheng365.book;  import android.content.ContentValues;  import android.content.DialogInterface;  import android.content.Intent;  import android.database.Cursor;  import android.database.sqlite.SQLiteDatabase;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.ArrayAdapter;  import android.widget.EditText;  import android.widget.Spinner;  import android.widget.TextView;  import java.util.ArrayList;  public class BookEditActivity extends AppCompatActivity {  public String bookID="",bookName="",author="",publish="",ISBN="",cn="";  private DB db=new DB(this);  private TextView tv\_bookID;  private EditText et\_bookName;  private EditText et\_author;  private EditText et\_publish;  private EditText et\_ISBN;  private TextView tv\_classname;  private Spinner sp\_classname;  private ArrayAdapter<String> adapter;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.book\_edit\_layout);  Intent intent=getIntent();  Bundle bundle=intent.getExtras();  bookID= bundle.getString("bookID");  bookName= bundle.getString("bookName");  author=bundle.getString("author");  publish=bundle.getString("publish");  ISBN=bundle.getString("ISBN");  cn=bundle.getString("classname");  tv\_bookID=(TextView)findViewById(R.id.bookEdit\_tv\_bookID);  et\_bookName=(EditText)findViewById(R.id.bookEdit\_et\_bookName);  et\_author=(EditText)findViewById(R.id.bookEdit\_et\_author);  et\_publish=(EditText)findViewById(R.id.bookEdit\_et\_publish);  et\_ISBN=(EditText)findViewById(R.id.bookEdit\_et\_ISBN);  tv\_classname=(TextView)findViewById(R.id.bookEdit\_tv\_classname);  sp\_classname=(Spinner)findViewById(R.id.bookEdit\_sp\_classname);  Cursor cursor=db.queryClassification();  ArrayList<String> classnameArray=new ArrayList<String>();  String classname;  while (cursor.moveToNext())  {  classname=cursor.getString(cursor.getColumnIndex("classname"));  classnameArray.add(classname);  }  //将可选内容与ArrayAdapter连接起来  adapter = new ArrayAdapter<String>(this,android.R.layout.simple\_spinner\_item,classnameArray);  //设置下拉列表的风格  adapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);  //将adapter 添加到spinner中  sp\_classname.setAdapter(adapter);  //添加事件Spinner事件监听  sp\_classname.setOnItemSelectedListener(new Spinner(this).getOnItemSelectedListener());  int vis=0;  String arrClassname="";  while (true)  {  try  {  arrClassname=classnameArray.get(vis);  }  catch (Exception e)  {  break;  }  if(cn.equals(arrClassname))  {  break;  }  vis++;  }  //设置默认值  sp\_classname.setSelection(vis);  tv\_bookID.setText("编号："+bookID);  et\_author.setText(author);  et\_bookName.setText(bookName);  et\_publish.setText(publish);  et\_ISBN.setText(ISBN);  }  public void bookEdit\_bt\_sub\_Click(View view)  {  bookName=et\_bookName.getText().toString();  author=et\_author.getText().toString();  publish=et\_publish.getText().toString();  ISBN=et\_ISBN.getText().toString();  cn=sp\_classname.getSelectedItem().toString();  AlertDialog.Builder builder=new AlertDialog.Builder(this);  builder.setMessage("是否保存记录？").setPositiveButton("是", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  //更新数据  SQLiteDatabase dbo=db.getWritableDatabase();  String sql="update book set bookName='"+bookName+"',author='"+author+"',publish='"+publish+"',ISBN='"+ISBN+"',classname='"+cn+"' where \_id="+bookID+";";  dbo.execSQL(sql);  Intent intent=new Intent(BookEditActivity.this,BookDisplayActivity.class);  startActivity(intent);  }  }).setNegativeButton("否", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  }  });  //提示对话框  AlertDialog alertDialog=builder.create();  //显示对话框  alertDialog.show();  }  public void bookEdit\_bt\_del\_Click(View view)  {  AlertDialog.Builder builder=new AlertDialog.Builder(this);  builder.setMessage("是否删除记录？").setPositiveButton("是", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  int i\_id= Integer.parseInt(bookID);  db.delBook(i\_id);  Intent intent=new Intent(BookEditActivity.this,BookDisplayActivity.class);  startActivity(intent);  }  }).setNegativeButton("否", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  }  });  //提示对话框  AlertDialog alertDialog=builder.create();  //显示对话框  alertDialog.show();  }  } |

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| ClassificationActivity |
| package com.dingcheng365.book;  import android.content.Intent;  import android.database.Cursor;  import android.icu.text.IDNA;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.util.Log;  import android.view.View;  import android.widget.Adapter;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleCursorAdapter;  import android.widget.TextView;  import java.util.HashMap;  public class ClassificationActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.classification\_layout);  //实例DBHelper  final DB db=new DB(this);  //获得Cuosor  Cursor c=db.queryClassification();  int count= c.getCount();  //列表项数组  String[] from={"classname"};  //列表项id  int[] to={R.id.cf\_tv\_classname};  //列表视图  final ListView listView=(ListView) findViewById(R.id.cf\_list);  //适配器  SimpleCursorAdapter adapter=new SimpleCursorAdapter(this,R.layout.classification\_layout,c,from,to,0);//this,R.layout.display\_layout,c,from,to  //为列表添加适配器  listView.setAdapter(adapter);  //对话框  final AlertDialog.Builder builder=new AlertDialog.Builder(this);  //为listView添加监听  listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  @Override  public void onItemClick(final AdapterView<?> arg0, View arg1, int arg2, long arg3) {  String mytitle = null;  String mycontent = null;  switch(arg0.getId())  {  case R.id.cf\_list:  ListView templist = (ListView) arg0;  View mView = templist.getChildAt(arg2);  TextView mytextview = (TextView) mView.findViewById(R.id.cf\_tv\_classname);  mytitle = mytextview.getText().toString();  }  Intent intent=new Intent(ClassificationActivity.this,ClassnameEditActivity.class);  intent.putExtra("classname",mytitle);  startActivity(intent);  }  });  //关闭数据库  db.close();  }  } |

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| ClassnameaddActivity |
| package com.dingcheng365.book;  import android.content.ContentValues;  import android.database.Cursor;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.EditText;  import android.widget.Toast;  public class ClassnameaddActivity extends AppCompatActivity {  private EditText et\_classname;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.classnameadd\_layout);  et\_classname=(EditText)findViewById(R.id.cn\_et\_classname);  }  public void cn\_bt\_sub\_Click(View view)  {  String classname=et\_classname.getText().toString();  if(classname=="")  {  Toast.makeText(ClassnameaddActivity.this,"不能为空",Toast.LENGTH\_LONG).show();  }  else  {  DB db=new DB(ClassnameaddActivity.this);  ContentValues contentValues=new ContentValues();  contentValues.put("classname",classname);  Cursor cursor= db.queryClassificationName(classname);  if(cursor.getCount()<1)  {  db.insertClassification(contentValues);  Toast.makeText(ClassnameaddActivity.this,"插入成功",Toast.LENGTH\_LONG).show();  }  else  {  Toast.makeText(ClassnameaddActivity.this,"分类已存在",Toast.LENGTH\_LONG).show();  }  }  }  public void cn\_bt\_ret\_Click(View view)  {  finish();  }  } |

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| ClassnameEditActivity |
| package com.dingcheng365.book;  import android.content.DialogInterface;  import android.content.Intent;  import android.database.Cursor;  import android.database.sqlite.SQLiteDatabase;  import android.provider.Settings;  import android.support.annotation.RequiresPermission;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.util.Log;  import android.view.View;  import android.widget.EditText;  public class ClassnameEditActivity extends AppCompatActivity {  DB db=new DB(ClassnameEditActivity.this);  String classname="";  String \_id="";  EditText et\_classname;  String nClassname="";  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.classname\_edit\_layout);  et\_classname=(EditText)findViewById(R.id.cn\_edit\_et\_classname);  String classname=getIntent().getStringExtra("classname");  et\_classname.setText(classname,null);  Log.d("id",classname);  Cursor cursor= db.queryClassificationName(classname);  while (cursor.moveToNext())  {  \_id=cursor.getString(cursor.getColumnIndex("\_id"));  }  }  public void cn\_edit\_bt\_save\_Click(View view)  {  nClassname=et\_classname.getText().toString();  if(nClassname.equals(classname))  {  finish();  }  else  {  AlertDialog.Builder builder=new AlertDialog.Builder(this);  builder.setMessage("是否保存记录？").setPositiveButton("是", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  //更新数据  SQLiteDatabase dbo=db.getWritableDatabase();  String sql="update classification set classname='"+nClassname+"' where \_id="+\_id+";";  dbo.execSQL(sql);  Intent intent=new Intent(ClassnameEditActivity.this,ClassificationActivity.class);  startActivity(intent);  }  }).setNegativeButton("否", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  }  });  //提示对话框  AlertDialog alertDialog=builder.create();  //显示对话框  alertDialog.show();  }  //关闭数据库  db.close();  }  public void cn\_edit\_bt\_del\_Click(View view)  {  nClassname=et\_classname.getText().toString();  if(nClassname.equals(classname))  {  finish();  }  else  {  AlertDialog.Builder builder=new AlertDialog.Builder(this);  builder.setMessage("是否删除记录？").setPositiveButton("是", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  //更新数据  /\*SQLiteDatabase dbo=db.getWritableDatabase();  String sql="update classification set classname='"+nClassname+"' where \_id="+\_id+";";  dbo.execSQL(sql);\*/  int i\_id= Integer.parseInt(\_id);  db.delClassification(i\_id);  Intent intent=new Intent(ClassnameEditActivity.this,ClassificationActivity.class);  startActivity(intent);  }  }).setNegativeButton("否", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  }  });  //提示对话框  AlertDialog alertDialog=builder.create();  //显示对话框  alertDialog.show();  }  //关闭数据库  db.close();  }  } |

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| LoginActivity |
| package com.dingcheng365.book;  import android.content.Context;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.util.Log;  import android.view.View;  import android.widget.Button;  import android.widget.EditText;  import android.widget.Toast;  public class LoginActivity extends AppCompatActivity {  private EditText et\_name;  private EditText et\_password;  private Button bt\_log;  private Button bt\_reg;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.login\_layout);  Log.d("book.db","构建数据库");  DB db=new DB(getApplicationContext());  db.getWritableDatabase();  et\_name=(EditText)findViewById(R.id.log\_et\_name);  et\_password=(EditText)findViewById(R.id.log\_et\_password);  }  public void log(String username, String password, Context context)  {  boolean msg=false;  DB db=new DB(context);  Cursor cursor= db.queryUserName(username);  if(cursor.getCount()<1)  {  Toast.makeText( context,"账号不存在",Toast.LENGTH\_LONG).show();  }  else  {  String pass="";  String userID="";  while (cursor.moveToNext())  {  pass=cursor.getString(cursor.getColumnIndex("password"));  userID=cursor.getString(cursor.getColumnIndex("\_id"));  }  if(password!=pass&&!pass.equals(password))  {  Toast.makeText( context,"密码不正确",Toast.LENGTH\_LONG).show();  }  else  {  Data data=new Data();  data.setApplication\_userID(userID);  Intent intent=new Intent(context,MainActivity.class);  context.startActivity(intent);  finish();  }  }  }  public void log\_bt\_reg\_Click(View view)  {  Intent intent=new Intent(LoginActivity.this,RegisterActivity.class);  startActivity(intent);  }  public void log\_bt\_log\_Click(View view)  {  String username=et\_name.getText().toString();  String password=et\_password.getText().toString();  if(username==""||username.equals(""))  {  Toast.makeText(LoginActivity.this,"用户名不能为空",Toast.LENGTH\_LONG).show();  }  if(password==""||password.equals(""))  {  Toast.makeText(LoginActivity.this,"密码不能为空",Toast.LENGTH\_LONG).show();  }  log(username,password,LoginActivity.this);  }  } |

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| MainActivity |
| package com.dingcheng365.book;  import android.content.DialogInterface;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.Menu;  import android.view.MenuItem;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleCursorAdapter;  public class MainActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.main\_layout);  }  public void cn\_bt\_add\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,ClassnameaddActivity.class);  startActivity(intent);  }  public void cn\_bt\_display\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,ClassificationActivity.class);  startActivity(intent);  }  public void m\_bt\_bookAdd\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,BookAddActivity.class);  startActivity(intent);  }  public void m\_bt\_bookDisplay\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,BookDisplayActivity.class);  startActivity(intent);  }  public void m\_bt\_noteAdd\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,NoteAddActivity.class);  startActivity(intent);  }  public void m\_bt\_noteDisplay\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,NoteDisplayActivity.class);  startActivity(intent);  }  public void m\_bt\_sumBook\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,SumBookActivity.class);  startActivity(intent);  }  public void m\_bt\_sumUser\_Click(View view)  {  Intent intent=new Intent(MainActivity.this,SumUserActivity.class);  startActivity(intent);  }  public void m\_bt\_exit\_Click(View view)  {  finish();  }  @Override  public boolean onCreateOptionsMenu(Menu menu) {  getMenuInflater().inflate(R.menu.main\_menu,menu);  return true;  }  @Override  public boolean onOptionsItemSelected(MenuItem item) {  switch (item.getItemId())  {  case R.id.mnuMainAbout:  AboutActivity.actionStart(MainActivity.this);  break;  case R.id.mnuMainClose:  finish();  break;  }  return true;  }  } |

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| NoteAdd2Activity |
| package com.dingcheng365.book;  import android.content.ContentValues;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.EditText;  import android.widget.TextView;  import android.widget.Toast;  import java.text.SimpleDateFormat;  import java.util.Date;  public class NoteAdd2Activity extends AppCompatActivity {  DB db=new DB(this);  String bookID="";  String userID="";  String date="";  String content="";  private EditText et\_content;  private TextView tv\_bookID;  private TextView tv\_userID;  Data data=new Data();  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.note\_add2\_layout);  Intent intent=getIntent();  Bundle bundle=intent.getExtras();  userID=data.getApplication\_userID();  bookID= bundle.getString("bookID");  tv\_bookID=(TextView)findViewById(R.id.noteAdd2\_tv\_bookID);  tv\_userID=(TextView)findViewById(R.id.noteAdd2\_tv\_userID);  et\_content=(EditText)findViewById(R.id.noteAdd2\_et\_content);  tv\_userID.setText("用户："+userID);  tv\_bookID.setText("书籍："+bookID);  }  public void noteAdd2\_bt\_sub\_Click(View view)  {  content=et\_content.getText().toString();  SimpleDateFormat formatter = new SimpleDateFormat("yyyy年MM月dd日HH:mm:ss");  Date curDate = new Date(System.currentTimeMillis());//获取当前时间  date = formatter.format(curDate);  ContentValues contentValues=new ContentValues();  contentValues.put("userID",userID);  contentValues.put("bookID",bookID);  contentValues.put("date",date);  contentValues.put("content",content);  db.insertNote(contentValues);  Toast.makeText(NoteAdd2Activity.this,"添加成功",Toast.LENGTH\_LONG).show();  Intent intent=new Intent(NoteAdd2Activity.this,MainActivity.class);  startActivity(intent);  }  public void noteAdd2\_bt\_ret\_Click(View view)  {  finish();  }  } |

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| NoteAddActivity |
| package com.dingcheng365.book;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleCursorAdapter;  import android.widget.TextView;  public class NoteAddActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.note\_add\_layout);  //实例DBHelper  final DB db=new DB(this);  //获得Cuosor  Cursor c=db.queryBook();  int count= c.getCount();  //列表项数组  String[] from={"\_id","bookName","author","publish","ISBN","classname"};  //列表项id  int[] to={R.id.noteAdd\_tv\_bookID,R.id.noteAdd\_tv\_bookName,R.id.noteAdd\_tv\_author,R.id.noteAdd\_tv\_publish,R.id.noteAdd\_tv\_ISBN,R.id.noteAdd\_tv\_classname};  //列表视图  final ListView listView=(ListView) findViewById(R.id.noteAdd\_list);  //适配器  SimpleCursorAdapter adapter=new SimpleCursorAdapter(this,R.layout.note\_add\_layout,c,from,to,0);//this,R.layout.display\_layout,c,from,to  //为列表添加适配器  listView.setAdapter(adapter);  //对话框  final AlertDialog.Builder builder=new AlertDialog.Builder(this);  //为listView添加监听  listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  @Override  public void onItemClick(final AdapterView<?> arg0, View arg1, int arg2, long arg3) {  String mytitleID = null;  String mytitleName = null;  String mytitlePublish = null;  String mytitleISBN = null;  String mytitleAuthor = null;  String mytitleCN = null;  String mycontent = null;  switch(arg0.getId())  {  case R.id.noteAdd\_list:  ListView templist = (ListView) arg0;  View mView = templist.getChildAt(arg2);  TextView mytextviewID = (TextView) mView.findViewById(R.id.noteAdd\_tv\_bookID);  mytitleID = mytextviewID.getText().toString();  TextView mytextviewName = (TextView) mView.findViewById(R.id.noteAdd\_tv\_bookName);  mytitleName = mytextviewName.getText().toString();  TextView mytextviewAuthor = (TextView) mView.findViewById(R.id.noteAdd\_tv\_author);  mytitleAuthor = mytextviewAuthor.getText().toString();  TextView mytextviewPublish = (TextView) mView.findViewById(R.id.noteAdd\_tv\_publish);  mytitlePublish = mytextviewPublish.getText().toString();  TextView mytextviewISBN = (TextView) mView.findViewById(R.id.noteAdd\_tv\_ISBN);  mytitleISBN = mytextviewISBN.getText().toString();  TextView mytextviewCN = (TextView) mView.findViewById(R.id.noteAdd\_tv\_classname);  mytitleCN = mytextviewCN.getText().toString();  }  Bundle bundle=new Bundle();  bundle.putString("bookID",mytitleID);  bundle.putString("bookName",mytitleName);  bundle.putString("author",mytitleAuthor);  bundle.putString("publish",mytitlePublish);  bundle.putString("ISBN",mytitleISBN);  bundle.putString("classname",mytitleCN);  Intent intent=new Intent(NoteAddActivity.this,NoteAdd2Activity.class);  intent.putExtras(bundle);  startActivity(intent);  }  });  //关闭数据库  db.close();  }  } |

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| NoteDisplayActivity |
| package com.dingcheng365.book;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleAdapter;  import android.widget.SimpleCursorAdapter;  import android.widget.TextView;  import java.util.ArrayList;  import java.util.HashMap;  import java.util.Lisat;  import java.util.Map;  public class NoteDisplayActivity extends AppCompatActivity {  String userID="";  Data data=new Data();  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.note\_display\_layout);  //实例DBHelper  final DB db=new DB(this);  userID=data.getApplication\_userID();  //获得Cuosor  Cursor c=db.queryNoteByUser(userID);  int count= c.getCount();  final ListView listView=(ListView) findViewById(R.id.noteDisplay\_list);  List<Map<String,Object>> list = new ArrayList<Map<String,Object>>();  Map<String,Object> map;  //遍历数据  while (c.moveToNext())  {  map = new HashMap<String, Object>();  map.put("userID",c.getString(c.getColumnIndex("userID")));  map.put("bookID",c.getString(c.getColumnIndex("bookID")));  map.put("date",c.getString(c.getColumnIndex("date")));  list.add(map);  }  SimpleAdapter adapter2 = new SimpleAdapter(this,list,R.layout.note\_display\_layout,new String[]{"bookID","date"},new int[]{R.id.noteDisplay\_tv\_bookID,R.id.noteDisplay\_tv\_date});  listView.setAdapter(adapter2);  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //对话框  final AlertDialog.Builder builder=new AlertDialog.Builder(this);  //为listView添加监听  listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  @Override  public void onItemClick(final AdapterView<?> arg0, View arg1, int arg2, long arg3) {  String mytitleBookID = null;  String mytitledate = null;  String mycontent = null;  switch(arg0.getId())  {  case R.id.noteDisplay\_list:  ListView templist = (ListView) arg0;  View mView = templist.getChildAt(arg2);  TextView mytextviewBookID= (TextView) mView.findViewById(R.id.noteDisplay\_tv\_bookID);  mytitleBookID = mytextviewBookID.getText().toString();  TextView mytextviewdate= (TextView) mView.findViewById(R.id.noteDisplay\_tv\_date);  mytitledate = mytextviewdate.getText().toString();  }  Intent intent=new Intent(NoteDisplayActivity.this,NoteEditActivity.class);  intent.putExtra("bookID",mytitleBookID);  intent.putExtra("date",mytitledate);  startActivity(intent);  finish();  }  });  //关闭数据库  db.close();  }  } |

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| NoteEditActivity |
| package com.dingcheng365.book;  import android.content.ContentValues;  import android.content.DialogInterface;  import android.content.Intent;  import android.database.Cursor;  import android.database.sqlite.SQLiteDatabase;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.EditText;  public class NoteEditActivity extends AppCompatActivity {  String userID="",bookID="",date="",content="";  Data data=new Data();  DB db=new DB(this);  private EditText et\_content;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.note\_edit\_layout);  Intent intent=getIntent();  et\_content=(EditText)findViewById(R.id.noteEdit\_et\_content) ;  bookID=intent.getStringExtra("bookID");  date=intent.getStringExtra("date");  userID=data.getApplication\_userID();  Cursor cursor= db.queryNoteByUBD(userID,bookID,date);  while (cursor.moveToNext())  {  content=cursor.getString(cursor.getColumnIndex("content"));  }  et\_content.setText(content);  }  public void noteEdit\_bt\_sub\_Click(View view)  {  content=et\_content.getText().toString();  AlertDialog.Builder builder=new AlertDialog.Builder(this);  builder.setMessage("是否保存记录？").setPositiveButton("是", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  //更新数据  SQLiteDatabase dbo=db.getWritableDatabase();  String sql="update note set content='"+content+"' where userID="+userID+" and bookID="+bookID+" and date='"+date+"';";  dbo.execSQL(sql);  db.close();  finish();  Intent intent=new Intent(NoteEditActivity.this,NoteDisplayActivity.class);  startActivity(intent);  }  }).setNegativeButton("否", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  }  });  //提示对话框  AlertDialog alertDialog=builder.create();  //显示对话框  alertDialog.show();  }  public void noteEdit\_bt\_del\_Click(View view)  {  AlertDialog.Builder builder=new AlertDialog.Builder(this);  builder.setMessage("是否删除记录？").setPositiveButton("是", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  SQLiteDatabase dbo=db.getWritableDatabase();  String sql="delete from note where userID="+userID+" and bookID="+bookID+" and date='"+date+"';";  dbo.execSQL(sql);  db.close();  finish();  Intent intent=new Intent(NoteEditActivity.this,NoteDisplayActivity.class);  startActivity(intent);  }  }).setNegativeButton("否", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  }  });  //提示对话框  AlertDialog alertDialog=builder.create();  //显示对话框  alertDialog.show();  }  } |

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| NoteShowActivity |
| package com.dingcheng365.book;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleCursorAdapter;  import android.widget.TextView;  import android.widget.Toast;  public class NoteShowActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.note\_show\_layout);  //实例DBHelper  final DB db=new DB(this);  //获得Cuosor  Cursor c=db.queryClassification();  int count= c.getCount();  //列表项数组  String[] from={"classname"};  //列表项id  int[] to={R.id.ns\_tv\_bookID};  //列表视图  final ListView listView=(ListView) findViewById(R.id.ns\_list);  //适配器  SimpleCursorAdapter adapter=new SimpleCursorAdapter(this,R.layout.note\_show\_layout,c,from,to,0);//this,R.layout.display\_layout,c,from,to  //为列表添加适配器  listView.setAdapter(adapter);  //对话框  final AlertDialog.Builder builder=new AlertDialog.Builder(this);  //为listView添加监听  listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  @Override  public void onItemClick(final AdapterView<?> arg0, View arg1, int arg2, long arg3) {  String mytitle = null;  String mycontent = null;  switch(arg0.getId())  {  case R.id.ns\_list:  ListView templist = (ListView) arg0;  View mView = templist.getChildAt(arg2);  TextView mytextview = (TextView) mView.findViewById(R.id.ns\_tv\_bookID);  mytitle = mytextview.getText().toString();  }  Intent intent=new Intent(NoteShowActivity.this,NoteEditActivity.class);  intent.putExtra("classname",mytitle);  startActivity(intent);  }  });  //关闭数据库  db.close();  }  } |

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| RegisterActivity |
| package com.dingcheng365.book;  import android.content.ContentValues;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.Button;  import android.widget.EditText;  import android.widget.Toast;  public class RegisterActivity extends AppCompatActivity {  private EditText et\_name;  private EditText et\_password;  private Button bt\_reg;  private Button bt\_reset;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.register\_layout);  et\_name=(EditText)findViewById(R.id.reg\_et\_name);  et\_password=(EditText)findViewById(R.id.reg\_et\_password);  bt\_reg=(Button)findViewById(R.id.reg\_bt\_reg);  bt\_reset=(Button)findViewById(R.id.reg\_bt\_reset);  }  public void reg\_bt\_reg\_Click(View view)  {  String username=et\_name.getText().toString();  String password=et\_password.getText().toString();  if(username==""||username.equals(""))  {  Toast.makeText(RegisterActivity.this,"用户名不能为空",Toast.LENGTH\_LONG).show();  }  if(password==""||password.equals(""))  {  Toast.makeText(RegisterActivity.this,"密码不能为空",Toast.LENGTH\_LONG).show();  }  DB db=new DB(getApplicationContext());  ContentValues contentValues=new ContentValues();  contentValues.put("username",username);  contentValues.put("password",password);  Cursor cursor=db.queryUserName(username);  if(cursor.getCount()==0)  {  db.insertUser(contentValues);  LoginActivity loginActivity=new LoginActivity();  loginActivity.log(username,password,RegisterActivity.this);  }  else  {  Toast.makeText(RegisterActivity.this,"账号已存在",Toast.LENGTH\_LONG).show();  }  }  public void btnRegClose\_Click(View view)  {  finish();  }  } |

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| SumBookActivity |
| package com.dingcheng365.book;  import android.content.Intent;  import android.database.Cursor;  import android.support.v7.app.AlertDialog;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ListView;  import android.widget.SimpleAdapter;  import android.widget.TextView;  import java.util.ArrayList;  import java.util.HashMap;  import java.util.List;  import java.util.Map;  public class SumBookActivity extends AppCompatActivity {  String userID="";  Data data=new Data();  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.sum\_book\_layout);  //实例DBHelper  final DB db=new DB(this);  userID=data.getApplication\_userID();  //获得Cuosor  Cursor c=db.sumBook(userID);  int count= c.getCount();  final ListView listView=(ListView) findViewById(R.id.sumBook\_list);  List<Map<String,Object>> list = new ArrayList<Map<String,Object>>();  Map<String,Object> map;  //遍历数据  while (c.moveToNext())  {  map = new HashMap<String, Object>();  map.put("bookID",c.getString(c.getColumnIndex("bookID")));  map.put("count",c.getString(c.getColumnIndex("count")));  list.add(map);  }  SimpleAdapter adapter2 = new SimpleAdapter(this,list,R.layout.sum\_book\_layout,new String[]{"bookID","count"},new int[]{R.id.sumBook\_tv\_bookID,R.id.sumBook\_tv\_count});  listView.setAdapter(adapter2);  //关闭数据库  db.close();  }  } |
| SumUserActivity |
| package com.dingcheng365.book;  import android.database.Cursor;  import android.support.v7.app.AppCompatActivity;  import android.os.Bundle;  import android.widget.ListView;  import android.widget.SimpleAdapter;  import java.util.ArrayList;  import java.util.HashMap;  import java.util.List;  import java.util.Map;  public class SumUserActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.sum\_user\_layout);  //实例DBHelper  final DB db=new DB(this);  //获得Cuosor  Cursor c=db.sumUser();  int count= c.getCount();  final ListView listView=(ListView) findViewById(R.id.sumUser\_list);  List<Map<String,Object>> list = new ArrayList<Map<String,Object>>();  Map<String,Object> map;  //遍历数据  while (c.moveToNext())  {  map = new HashMap<String, Object>();  map.put("userID",c.getString(c.getColumnIndex("userID")));  map.put("count",c.getString(c.getColumnIndex("count")));  list.add(map);  }  SimpleAdapter adapter2 = new SimpleAdapter(this,list,R.layout.sum\_user\_layout,new String[]{"userID","count"},new int[]{R.id.sumUser\_tv\_UserID,R.id.sumUser\_tv\_count});  listView.setAdapter(adapter2);  //关闭数据库  db.close();  }  } |

1. **心得体会**

在本次开发android程序的过程中，我对android的编程模式有了进一步的了解，对android的控件运用的更加熟练。在开发过程中遇到了一些问题，经过在网上查询，最终得到了解决。

以下是遇到的问题：

1. 在新建笔记时需要用户名，然而如果从登陆页面传值过来，要经过好几个页面，所以需要把用户名定义为全局变量。方法为定义一个类，将其中的变量设为静态。需要时调用此类

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| **public class** Data **extends** Application {  **private static** String *application\_userID*;   **public** String getApplication\_userID(){  **return this**.*application\_userID*;  }  **public void** setApplication\_userID(String c){  **this**.*application\_userID*= c;  }  @Override  **public void** onCreate(){  *application\_userID* = **""**;  **super**.onCreate();  } |

1. 将note数据放listview中时出错，数据放入SimpleCursorAdapter 类型适配器 不可用 。更换适配器的类型换为SimpleAdapter

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| final ListView listView=(ListView) findViewById(R.id.noteDisplay\_list);  List<Map<String,Object>> list = new ArrayList<Map<String,Object>>();  Map<String,Object> map;  //遍历数据  while (c.moveToNext())  {  map = new HashMap<String, Object>();  map.put("userID",c.getString(c.getColumnIndex("userID")));  map.put("bookID",c.getString(c.getColumnIndex("bookID")));  map.put("date",c.getString(c.getColumnIndex("date")));  list.add(map);  }  SimpleAdapter adapter2 = new SimpleAdapter(this,list,R.layout.note\_display\_layout,new String[]{"bookID","date"},new int[]{R.id.noteDisplay\_tv\_bookID,R.id.noteDisplay\_tv\_date});  listView.setAdapter(adapter2); |