个人完成任务情况及部分代码

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需求设计：系统定义及功能规格中的脚色定义

概要设计：导言、系统分析、数据模型

需求规格：测试用例中的基本页面链接、页面转移正确性、显示搜索图书列表、图书详细信息

以及所有文档的细节调整格式统一

软件实现：登陆注册模块、图书上传模块，由于时间有限，实现部分较为粗糙

代码（部分XML代码及包引入代码省略）：

登陆界面：MainActivity：  
XML:

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.yx654.bookshare.MainActivity">  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/text\_password"  
 android:hint="请输入密码"  
 android:inputType="textPassword"  
 android:layout\_above="@+id/button\_login"  
 android:layout\_alignStart="@+id/text\_username"  
 android:layout\_alignEnd="@+id/text\_username" />  
  
  
 <Button  
 android:layout\_marginTop="40dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="登陆"  
 android:id="@+id/button\_login"  
 android:layout\_centerVertical="true"  
 android:layout\_centerHorizontal="true"  
 android:background="#e6d8b5"/>  
  
 <!-- <Button  
 android:text="TEST"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="41dp"  
 android:id="@+id/button\_test"  
 android:background="#e6d8b5"  
 android:layout\_below="@+id/button\_register"  
 android:layout\_alignParentStart="true" />  
 -->  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="注册"  
 android:id="@+id/button\_register"  
 android:background="#e6d8b5"  
 android:layout\_marginTop="33dp"  
 android:layout\_below="@+id/button\_login"  
 android:layout\_alignParentStart="true" />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
 android:ems="10"  
 android:id="@+id/text\_username"  
 android:hint="请输入用户名"  
 android:layout\_above="@+id/text\_password"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="14dp" />  
  
  
</RelativeLayout>

Java:

package com.example.yx654.bookshare;  
import android.content.Intent;  
import android.net.Uri;  
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;  
  
import com.google.android.gms.appindexing.Action;  
import com.google.android.gms.appindexing.AppIndex;  
import com.google.android.gms.appindexing.Thing;  
import com.google.android.gms.common.api.GoogleApiClient;  
  
import java.util.List;  
  
import cn.bmob.v3.Bmob;  
import cn.bmob.v3.BmobQuery;  
import cn.bmob.v3.exception.BmobException;  
import cn.bmob.v3.listener.FindListener;  
  
public class MainActivity extends AppCompatActivity {  
 Button btnlogin;  
 Button btnregister;  
 EditText textusername;  
 EditText textpassword;  
  
 Button btntest;  
  
  
 */\*\*  
 \* ATTENTION: This was auto-generated to implement the App Indexing API.  
 \* See https://g.co/AppIndexing/AndroidStudio for more information.  
 \*/* private GoogleApiClient client;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Bmob.*initialize*(this, "a93d43ca80b731919f820c0a7dc8e856");  
  
  
 btnlogin = (Button) findViewById(R.id.*button\_login*);  
 btnregister = (Button) findViewById(R.id.*button\_register*);  
 textusername = (EditText) findViewById(R.id.*text\_username*);  
 textpassword = (EditText) findViewById(R.id.*text\_password*);  
  
 // btntest = (Button)findViewById(R.id.button\_test);  
  
//用户登录  
 btnlogin.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 BmobQuery<User> query = new BmobQuery<User>();  
 query.addQueryKeys("password");  
 query.addWhereEqualTo("username",textusername.getText().toString());  
 // Toast.makeText(getApplicationContext(), textusername.getText().toString(), Toast.LENGTH\_SHORT).show();  
 query.findObjects(new FindListener<User>() {  
 @Override  
 public void done(List<User> obt, BmobException e) {  
 if (e == null) {  
 // System.out.println(obt.get(0).getPassword().toString());  
 // Toast.makeText(getApplicationContext(), obt.get(0).getPassword().toString(), Toast.LENGTH\_SHORT).show();  
 if(obt.get(0).getPassword().toString().equals(textpassword.getText().toString())){  
 Toast.*makeText*(getApplicationContext(), "登陆成功", Toast.*LENGTH\_SHORT*).show();  
 //成功后进入主界面  
 Intent intent = new Intent(MainActivity.this, Maincenter.class);  
 startActivity(intent);  
  
 } else {  
 Toast.*makeText*(getApplicationContext(), "密码错误", Toast.*LENGTH\_SHORT*).show();  
 }  
  
  
 } else {  
 Toast.*makeText*(getApplicationContext(), "该账号未注册", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 }  
 });  
  
 btnregister.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(MainActivity.this, RegisterActivity.class);  
 startActivity(intent);  
 }  
 });  
  
  
  
 // btntest.setOnClickListener(new View.OnClickListener() {  
 // @Override  
 // public void onClick(View v) {  
 // Intent intent = new Intent(MainActivity.this, UploadActivity.class);  
 // startActivity(intent);  
 // }  
 // });  
  
  
 // ATTENTION: This was auto-generated to implement the App Indexing API.  
 // See https://g.co/AppIndexing/AndroidStudio for more information.  
 client = new GoogleApiClient.Builder(this).addApi(AppIndex.*API*).build();  
 }  
  
 */\*\*  
 \* ATTENTION: This was auto-generated to implement the App Indexing API.  
 \* See https://g.co/AppIndexing/AndroidStudio for more information.  
 \*/* public Action getIndexApiAction() {  
 Thing object = new Thing.Builder()  
 .setName("Main Page") // *TODO: Define a title for the content shown.* // *TODO: Make sure this auto-generated URL is correct.* .setUrl(Uri.*parse*("http://[ENTER-YOUR-URL-HERE]"))  
 .build();  
 return new Action.Builder(Action.*TYPE\_VIEW*)  
 .setObject(object)  
 .setActionStatus(Action.*STATUS\_TYPE\_COMPLETED*)  
 .build();  
 }  
  
 @Override  
 public void onStart() {  
 super.onStart();  
  
 // ATTENTION: This was auto-generated to implement the App Indexing API.  
 // See https://g.co/AppIndexing/AndroidStudio for more information.  
 client.connect();  
 AppIndex.*AppIndexApi*.start(client, getIndexApiAction());  
 }  
  
 @Override  
 public void onStop() {  
 super.onStop();  
  
 // ATTENTION: This was auto-generated to implement the App Indexing API.  
 // See https://g.co/AppIndexing/AndroidStudio for more information.  
 AppIndex.*AppIndexApi*.end(client, getIndexApiAction());  
 client.disconnect();  
 }  
}

注册界面:

Java:

package com.example.yx654.bookshare;  
  
import android.content.Intent;  
import android.net.Uri;  
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 cn.bmob.v3.Bmob;  
import cn.bmob.v3.BmobObject;  
import cn.bmob.v3.listener.SaveListener;  
import cn.bmob.v3.exception.BmobException;  
import android.widget.Toast;  
  
  
  
public class RegisterActivity extends AppCompatActivity {  
 Button btnpos;  
 Button btnneg;  
 EditText textusernamer;  
 EditText textpasswordr;  
 EditText textgender;  
 EditText textage;  
  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_register*);  
 btnpos = (Button) findViewById(R.id.*button\_pos*);  
 btnneg = (Button) findViewById(R.id.*button\_neg*);  
 textusernamer = (EditText) findViewById(R.id.*text\_username\_r*);  
 textpasswordr = (EditText) findViewById(R.id.*text\_password\_r*);  
 textgender = (EditText) findViewById(R.id.*text\_gender\_r*);  
 textage = (EditText) findViewById(R.id.*text\_age\_r*);  
  
  
 //提交注册信息  
  
 btnpos.setOnClickListener(new View.OnClickListener() {  
  
 User user = new User();  
  
 @Override  
 public void onClick(View v) {  
 user.setUsername(textusernamer.getText().toString());  
 user.setPassword(textpasswordr.getText().toString());  
 user.setGender(textgender.getText().toString());  
 user.setAge(Integer.*parseInt*(textage.getText().toString()));  
 user.save(new SaveListener<String>() {  
  
 @Override  
 public void done(String objectId, BmobException e) {  
 if (e == null) {  
 Toast.*makeText*(getApplicationContext(), "注册成功", Toast.*LENGTH\_SHORT*).show();  
 Intent intent = new Intent(RegisterActivity.this, MainActivity.class);  
 startActivity(intent);  
 } else {  
 Toast.*makeText*(getApplicationContext(), "注册失败", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 }  
 });  
  
  
 //返回登陆界面  
 btnneg.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(RegisterActivity.this, MainActivity.class);  
 startActivity(intent);  
 }  
 });  
  
 }  
}

主界面：

Java：

public class Maincenter extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_maincenter*);  
  
  
 Button btUpload = (Button) findViewById(R.id.*upload*);  
 final EditText btToSearch = (EditText) findViewById(R.id.*ToSearch*);  
  
 btToSearch.setOnKeyListener(new View.OnKeyListener() {  
 @Override  
 public boolean onKey(View view, int i, KeyEvent keyEvent) {  
 if(i == KeyEvent.*KEYCODE\_ENTER*){  
  
 String keyWord= btToSearch.getText().toString();  
 Intent intent=new Intent(Maincenter.this,BookView.class);  
 intent.putExtra("keyWord",keyWord);  
 startActivity(intent);  
  
 return true;  
  
 }  
  
 return false;  
 }  
 });  
  
  
 btUpload.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent intent = new Intent(Maincenter.this, UploadActivity.class);  
 startActivity(intent);  
  
 }  
 });  
  
 }  
}

上传书籍：

Java：

public class UploadActivity extends AppCompatActivity {  
  
 Button btnuppos;  
 Button btnupneg;  
  
 EditText textbookname;  
 EditText textpress;  
 EditText textauthor;  
 EditText textrate;  
 EditText textisbn;  
 EditText textprice;  
 EditText texttype;  
 EditText textdetail;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_upload*);  
  
  
 btnuppos=(Button)findViewById(R.id.*button\_up\_pos*);  
 btnupneg=(Button)findViewById(R.id.*button\_up\_neg*);  
 textbookname=(EditText)findViewById(R.id.*text\_bookname*);  
 textpress=(EditText)findViewById(R.id.*text\_press*);  
 textauthor=(EditText)findViewById(R.id.*text\_author*);  
 textrate=(EditText)findViewById(R.id.*text\_rate*);  
 textisbn=(EditText)findViewById(R.id.*text\_isbn*);  
 textprice=(EditText)findViewById(R.id.*text\_price*);  
 texttype=(EditText)findViewById(R.id.*text\_type*);  
 textdetail=(EditText)findViewById(R.id.*text\_detail*);  
 btnuppos.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Books book = new Books();  
 book.setBookname(textbookname.getText().toString());  
 book.setPress(textpress.getText().toString());  
 book.setAuthor(textauthor.getText().toString());  
 book.setRate(textrate.getText().toString());  
 book.setISBN(textisbn.getText().toString());  
 book.setPrice(textprice.getText().toString());  
 book.setType(texttype.getText().toString());  
 book.setDetail(textdetail.getText().toString());  
  
 book.save(new SaveListener<String>() {  
 @Override  
 public void done(String s, BmobException e) {  
 if (e == null) {  
 Toast.*makeText*(getApplicationContext(), "提交成功", Toast.*LENGTH\_SHORT*).show();  
 //返回主界面待修改\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 Intent intent = new Intent(UploadActivity.this, Maincenter.class);  
 startActivity(intent);  
 } else {  
 Toast.*makeText*(getApplicationContext(), "提交失败", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 }  
 );  
  
 }  
 });  
  
  
 btnupneg.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 //返回主界面待修改\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 Intent intent = new Intent(UploadActivity.this, MainActivity.class);  
 startActivity(intent);  
 }  
 });  
  
 }  
}

搜索书籍列表：

Java：

*/\*\*  
 \* Created by D on 2016/11/22.  
 \*/*public class BookView extends AppCompatActivity {  
  
 ListView listView;  
 List<Books> listAll;  
 List<Map<String, Object>> list = new ArrayList<Map<String, Object>>();  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*view\_book*);  
 listView = (ListView) findViewById(R.id.*listView*);  
 String keyWord= getIntent().getStringExtra("keyWord");  
  
 BmobQuery<Books> query=new BmobQuery<Books>();  
 query.addWhereEqualTo("bookname",keyWord);  
 query.setLimit(50);  
 query.order("-createdAt");  
 query.findObjects(new FindListener<Books>() {  
 @Override  
 public void done(List<Books> list, BmobException e) {  
 if (e == null) {  
 if (!list.isEmpty()) {  
 listAll = list;  
  
 SimpleAdapter adapter = new SimpleAdapter(BookView.this, getData(), R.layout.*list\_item*,  
 new String[]{"bookname", "author", "press",  
 "price", "rate", "type"},  
 new int[]{R.id.*bname*, R.id.*bauthor*, R.id.*bpress*,  
 R.id.*bprice*, R.id.*brate*, R.id.*btype*});  
 listView.setAdapter(adapter);  
  
 Toast toast = Toast.*makeText*(getApplicationContext(),  
 "查询成功，共" + list.size() + "条数据", Toast.*LENGTH\_SHORT*);  
 toast.show();  
 } else {  
 Toast toast = Toast.*makeText*(getApplicationContext(),  
 "无此书信息,请返回重新搜索", Toast.*LENGTH\_SHORT*);  
 toast.show();  
 }  
 }  
  
 }  
  
 });  
  
  
  
 listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
 Intent intent = new Intent(BookView.this, BookViewDetail.class);  
 String keyId = list.get(i).get("id").toString();  
 intent.putExtra("keyId",keyId);  
 startActivity(intent);  
 }  
 });  
  
 }  
  
 private List<Map<String, Object>> getData() {//将listAll变为list，便于使用SimpleAdapter  
  
  
 Map<String, Object> map;  
 for (int i=0;i<listAll.size();i++ ){  
 Books temp=listAll.get(i);  
 map = new HashMap<String, Object>();  
 map.put("bookname", temp.getBookname());  
 map.put("author", temp.getAuthor());  
 map.put("press", temp.getPress());  
 map.put("price", temp.getPrice());  
 map.put("rate",temp.getRate());  
 map.put("type", temp.getType());  
 map.put("id",temp.getObjectId());  
  
 list.add(map);  
 }  
  
 return list;  
 }  
  
}

书籍详细信息：  
Java：

*/\*\*  
 \* Created by D on 2016/11/22.  
 \*/*public class BookViewDetail extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*view\_book\_detail*);  
  
 final TextView bookname= (TextView)findViewById(R.id.*bnamedetail*);  
 final TextView press= (TextView)findViewById(R.id.*bpressdetail*);  
 final TextView author= (TextView)findViewById(R.id.*bauthordetail*);  
 final TextView rate= (TextView)findViewById(R.id.*bratedetail*);  
 final TextView ISBN= (TextView)findViewById(R.id.*bISBNdetail*);  
 final TextView price= (TextView)findViewById(R.id.*bpricedetail*);  
 final TextView type= (TextView)findViewById(R.id.*btypedetail*);  
 final TextView detail= (TextView)findViewById(R.id.*bdetaildetail*);  
  
 Button btAddToChart = (Button) findViewById(R.id.*adddetail*);  
  
  
 String keyId= getIntent().getStringExtra("keyId");  
  
 BmobQuery<Books> query =new BmobQuery<>();  
 query.getObject(keyId, new QueryListener<Books>() {  
 @Override  
 public void done(Books books, BmobException e) {  
 if (e==null){  
 bookname.setText(books.getBookname());  
 author.setText(books.getAuthor());  
 rate.setText(books.getRate());  
 ISBN.setText(books.getISBN());  
 price.setText(books.getPrice());  
 type.setText(books.getType());  
 detail.setText(books.getDetail());  
 press.setText(books.getPress());  
  
 }else {  
 Toast toast=Toast.*makeText*(getApplicationContext(),  
 "error", Toast.*LENGTH\_SHORT*);  
 toast.show();  
 }  
 }  
 });  
  
 btAddToChart.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Toast toast=Toast.*makeText*(getApplicationContext(),  
 "加入购物车成功",Toast.*LENGTH\_SHORT*);  
 toast.show();  
 }  
 });  
  
  
 }  
}

部分软件界面截图：



