SHILLONG COLLEGE

BOYCE ROAD, LAITUMKHRAH
SHILLONG - 793003, MEGHALAYA

A PROJECT REPORT

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF THE DEGREE OF BACHELOR OF COMPUTER SCIENCE AND APPLICATIONS

Submitted By,

Student Name : ALFRED MARBANIANG
Roll No : P1300091
Reg. No : 9486 of 2012-13

Guided by:

Sir Nicholas Jyrwa

Department of Computer Science And Applications

NORTH EASTERN HILLS UNIVERSITY

CERTIFIED THAT THIS IS A BONAFIDE RECORD OF THE PROJECT

ENTITLED

DIARY

Submitted for the partial fulfillment for the award of degree of
Bachelor of Computer Applications

By:

Student Name : Alfred Marbaniang
Roll No : P1300091
Reg. No : 9

Project Guide	Head Of Department	Examiner
Sir. Nicholas Jyrwa	Mrs. Aiom Mitri	

Viva Voce held on: 2/4/16

ACKNOWLEDGEMENT

Developing the project has help me learn a lot of things like patience and hard work.First of all, I convey my thanks to the Great Almighty, for his countless love and blessings on my family and friends.

I would like to express my sincere thanks to the Principal of Shillong College, Shillong, Dr. K. D. Ramsiej for giving me an opportunity to conduct this project. I extend my deepest gratitude and thanks to my guide, Sir for guiding me in different matters and solutions regarding the topic and for encouraging me from time to time. I would also like to thank and appreciate the support provided by our Head of Department Miss A. Mitri who has been a very helpful person.

Last but not the least my heartiest thanks goes to my friends and family members for their constant help and support to do the project.

THANK YOU

CONTENTS

Hardware & Software Requirements

Software Requirements

- Android Studio
- JDK

Hardware Requirement

- RAM : 512 MB
- CPU : 1Ghz

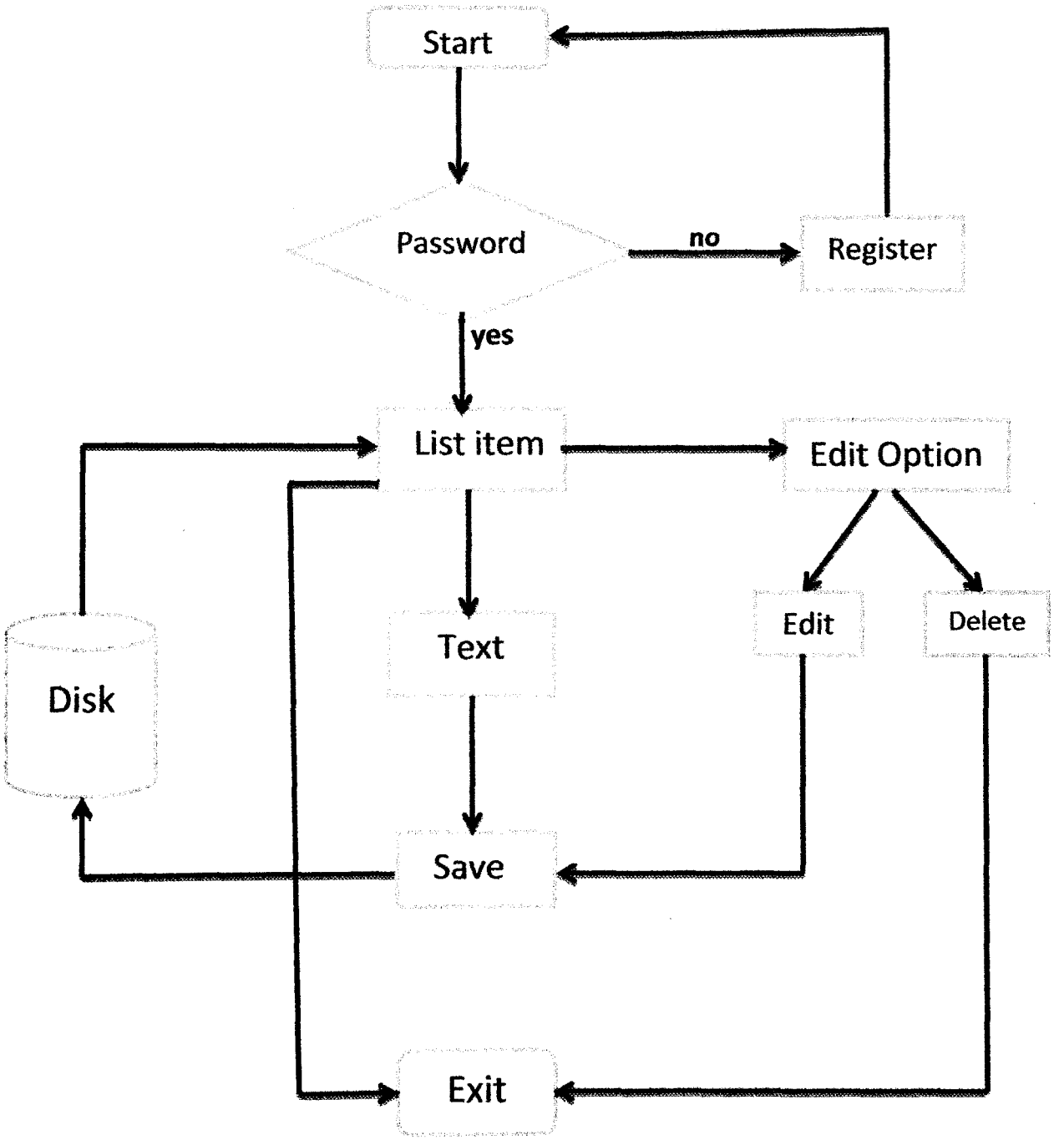
Source code

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.example.loginregisterwithsqlite">


<application
android:allowBackup="true"
android:icon="@mipmap/ic_launcher"
android:label="@string/app_name"
android:theme="@style/AppTheme" ><![CDATA[
>
        ]]>
<activity
android:name="com.example.alfred.diary.MainActivity"
android:label="@string/app_name" >
<intent-filter>
<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.DEFAULT" />
</intent-filter>
</activity>
<activity android:name="com.example.alfred.diary.Registration" />
<activity
android:name="com.example.alfred.diary.Home"
android:label=" " />
<activity
android:name="com.example.alfred.diary.NewNote"
android:label="" >
</activity>
<activity
android:name="com.example.alfred.diary.EditNote"
android:label="" >
</activity>
<activity
android:name="com.example.alfred.diary.Cal"
android:label="" >
</activity>

</application>
</manifest>
```

MainActivity.java

FLOW CHART


Start
Password
no
Register
yes
List item
Edit Option
Edit
Delete
Text
Disk
Save
Exit

```
package com.example.alfred.diary;

import android.app.Activity;
import android.app.Dialog;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.view.Window;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import com.example.loginregisterwithsqlite.R;


public class MainActivity extends Activity {

    LoginDataBaseAdapter loginDataBaseAdapter;
    Button login;
    Button registerr;
    EditText enterpassword;
    TextView forgetpass;


protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

login=(Button)findViewById(R.id.login_btn);
registerr=(Button)findViewById(R.id.register_btn);
enterpassword=(EditText)findViewById(R.id.password_edt);
forgetpass=(TextView)findViewById(R.id.textView2);

loginDataBaseAdapter = new
LoginDataBaseAdapter(getApplicationContext());
loginDataBaseAdapter.open();

registerr.setOnClickListener(new View.OnClickListener() {


public void onClick(View v) {
   TODO Auto-generated method stub
Intent i=new Intent(MainActivity.this,Registration.class);
                startActivity(i);
            }
        });

login.setOnClickListener(new View.OnClickListener() {


public void onClick(View v) {
   TODO Auto-generated method stub
String Password=enterpassword.getText().toString();

                String
```

```
storedPassword=loginDataBaseAdapter.getSinlgeEntry(Password);

if(Password.equals(storedPassword))
                {
                    Toast.makeText(MainActivity.this, "Congrats:
Login Successfully", Toast.LENGTH_LONG).show();
                    Intent ii=new
Intent(MainActivity.this,Home.class);
                    startActivity(ii);
                }
else
                if(Password.equals("")){
                    Toast.makeText(MainActivity.this, "Please Enter
Your Password", Toast.LENGTH_LONG).show();
                }
else
{
                    Toast.makeText(MainActivity.this, "Password
Incorrect", Toast.LENGTH_LONG).show();
                }
            }
        });

forgetpass.setOnClickListener(new View.OnClickListener() {


public void onClick(View v) {
   TODO Auto-generated method stub

final Dialog dialog = new Dialog(MainActivity.this);
                dialog.getWindow();

dialog.requestWindowFeature(Window.FEATURE_NO_TITLE);
                dialog.setContentView(R.layout.forget_search);
                dialog.show();

final  EditText
security=(EditText)dialog.findViewById(R.id.securityhint_edt);
final  TextView
getpass=(TextView)dialog.findViewById(R.id.textView3);

                Button
ok=(Button)dialog.findViewById(R.id.getpassword_btn);
                Button
cancel=(Button)dialog.findViewById(R.id.cancel_btn);

                ok.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {

                        String
userName=security.getText().toString();
if(userName.equals(""))
                        {
                            Toast.makeText(getApplicationContext(),
"Please enter your securityhint", Toast.LENGTH_SHORT).show();
```


```
                        }
else
{
                                String
storedPassword=loginDataBaseAdapter.getAllTags(userName);
if(storedPassword==null)
                                {

Toast.makeText(getApplicationContext(), "Please enter correct
securityhint", Toast.LENGTH_SHORT).show();
                                }else{
                                    Log.d("GET PASSWORD",
storedPassword);
getpass.setText(storedPassword);
                                }
                            }
                        }
                });
                cancel.setOnClickListener(new View.OnClickListener()
{


public void onClick(View v) {
   TODO Auto-generated method stub
dialog.dismiss();
                    }
                });

                dialog.show();
            }
        });
    }



protected void onDestroy() {
super.onDestroy();

loginDataBaseAdapter.close();
    }

}
```

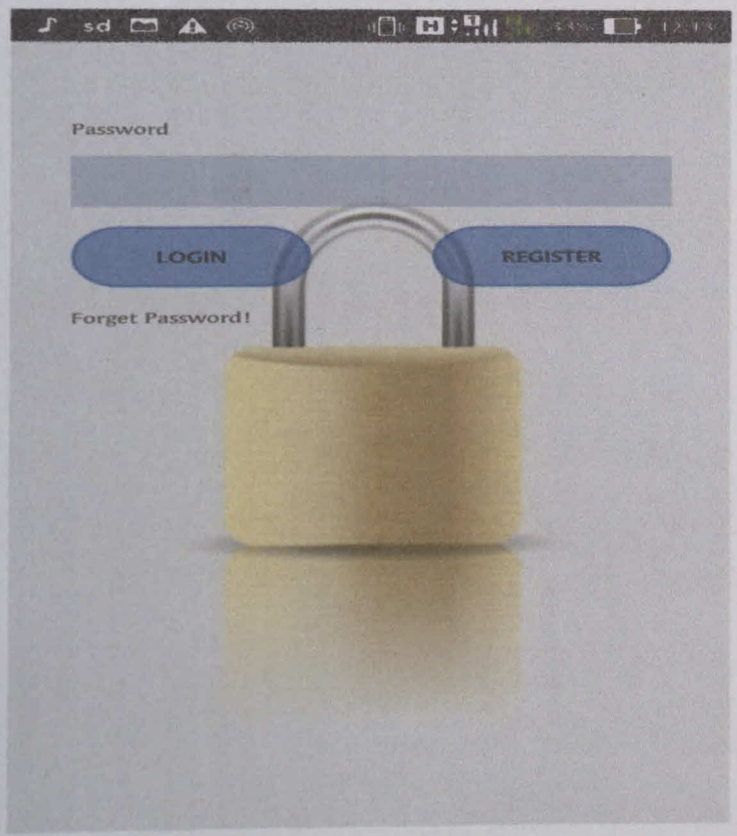
activity_main.xml

```
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
xmlns:ndroid="http://schemas.android.com/apk/res-auto"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@drawable/as"
```

```
tools:context=".MainActivity">

<RelativeLayout
android:id="@+id/rel1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginLeft="30dp"
android:layout_marginRight="30dp"
android:layout_marginTop="60dp" >

<TextView
android:id="@+id/textView1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/password" />

<EditText
android:id="@+id/password_edt"
android:layout_width="match_parent"
android:layout_height="40dp"
android:layout_alignParentRight="true"
android:layout_marginTop="30dp"
android:ems="10"
android:inputType="textPassword"
android:padding="5dp"
android:background="#9d93a2bd">

<requestFocus />
</EditText>
</RelativeLayout>

<RelativeLayout
android:id="@+id/rel2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@+id/rel1"
android:layout_marginLeft="30dp"
android:layout_marginRight="30dp"
android:layout_marginTop="15dp" >

<Button
android:id="@+id/login_btn"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:paddingLeft="20dp"
android:paddingRight="20dp"
android:text="@string/Login"
android:background="@drawable/spl" />

<Button
android:id="@+id/register_btn"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentRight="true"
android:layout_alignParentTop="true"
android:paddingLeft="20dp"
```

```
android:paddingRight="20dp"
android:text="@string/register"
android:background="@drawable/spl" />
</RelativeLayout>

<RelativeLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@+id/rel2"
android:layout_marginLeft="30dp"
android:layout_marginRight="30dp"
android:layout_marginTop="15dp" >

<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/forgetpassword" />
</RelativeLayout>

</RelativeLayout>
```

OUTPUT:



DataBaseHelper.java

```
package com.example.alfred.diary;

import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.util.Log;



public class DataBaseHelper extends SQLiteOpenHelper
{
public DataBaseHelper(Context context, String
name,SQLiteDatabase.CursorFactory factory, int version)
    {
super(context, name, factory, version);
    }

public void onCreate(SQLiteDatabase _db)
    {
        _db.execSQL(LoginDataBaseAdapter.DATABASE_CREATE);
    }

public void onUpgrade(SQLiteDatabase _db, int _oldVersion, int
_newVersion)
    {

Log.w("TaskDBAdapter", "Upgrading from version " + _oldVersion + "
to " + _newVersion + ", which will destroy all old data");
        _db.execSQL("DROP TABLE IF EXISTS " + "TEMPLATE");
        onCreate(_db);
    }
}
```

LoginDataBaseHelper.java

```
package com.example.alfred.diary;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.SQLException;
import android.database.sqlite.SQLiteDatabase;
import java.util.HashMap;

public class LoginDataBaseAdapter {

static final String DATABASE_NAME = "login.db";
static final int DATABASE_VERSION = 1;
public static final int NAME_COLUMN = 3;

static final String DATABASE_CREATE = "create table "+"LOGIN"+
"( " +"ID integer primary key autoincrement,"+ "PASSWORD
text,"+"REPASSWORD text,"+ "SECURITYHINT text) ";
```

```
public SQLiteDatabase db;
private final Context context;
private DataBaseHelper dbHelper;

public  LoginDataBaseAdapter(Context _context)
    {
context = _context;
dbHelper = new DataBaseHelper(context, DATABASE_NAME, null,
DATABASE_VERSION);

    }
public  LoginDataBaseAdapter open() throws SQLException
    {
db = dbHelper.getWritableDatabase();
return this;
    }
public void close()
    {
db.close();
    }

public  SQLiteDatabase getDatabaseInstance()
    {
return db;
    }

public void insertEntry(String password,String repassword,String
securityhint)
    {
        ContentValues newValues = new ContentValues();
        newValues.put("PASSWORD", password);
        newValues.put("REPASSWORD",repassword);
        newValues.put("SECURITYHINT",securityhint);

db.insert("LOGIN", null, newValues);
    }

public int deleteEntry(String password)
    {
        String where="PASSWORD=?";
int numberOFEntriesDeleted= db.delete("LOGIN", where, new
String[]{password}) ;
return numberOFEntriesDeleted;
    }

public String getSinlgeEntry(String password)
    {
        Cursor cursor=db.query("LOGIN", null, " PASSWORD=?", new
String[]{password}, null, null, null);
if(cursor.getCount()<1)
{
            cursor.close();
return "NOT EXIST";
        }
        cursor.moveToFirst();
```

```
        String repassword=
cursor.getString(cursor.getColumnIndex("REPASSWORD"));
        cursor.close();
return repassword;
    }

public String getAllTags(String a) {


        Cursor c = db.rawQuery("SELECT * FROM " + "LOGIN" + " where
SECURITYHINT = '" +a + "'" , null);
        String str = null;
if (c.moveToFirst()) {
do {
                str = c.getString(c.getColumnIndex("PASSWORD"));
            } while (c.moveToNext());
        }
return str;
    }


public void  updateEntry(String password,String repassword)
    {
        ContentValues updatedValues = new ContentValues();
        updatedValues.put("PASSWORD", password);
        updatedValues.put("REPASSWORD",repassword);
        updatedValues.put("SECURITYHINT",repassword);

        String where="USERNAME = ?";
db.update("LOGIN",updatedValues, where, new String[]{password});
    }



public HashMap<String, String> getAnimalInfo(String id) {
        HashMap<String, String> wordList = new HashMap<String,
String>();
        String selectQuery = "SELECT * FROM LOGIN where
SECURITYHINT='"+id+"'";
        Cursor cursor = db.rawQuery(selectQuery, null);
if (cursor.moveToFirst()) {
do {
                wordList.put("PASSWORD", cursor.getString(1));
            } while (cursor.moveToNext());
        }
return wordList;
    }
}
```

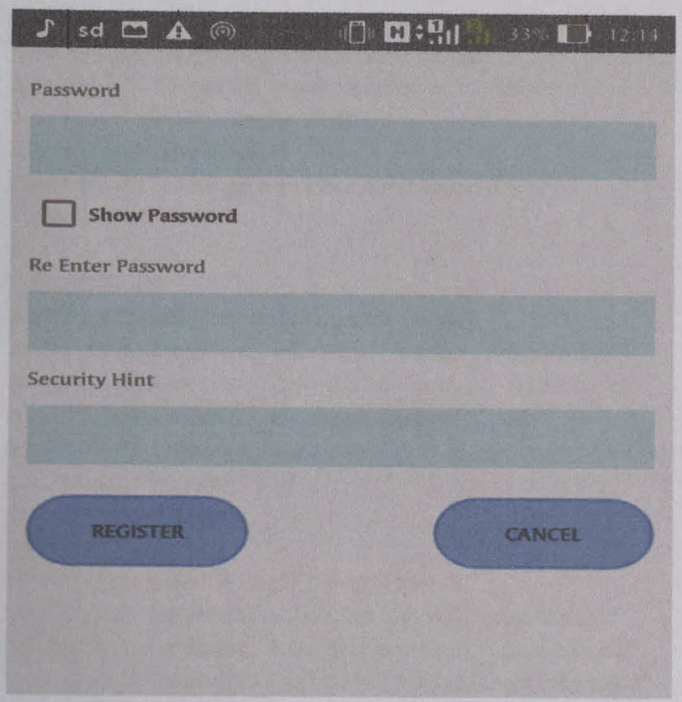
Registration.java

```
package com.example.alfred.diary;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.text.method.HideReturnsTransformationMethod;
import android.text.method.PasswordTransformationMethod;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.CompoundButton;
import android.widget.EditText;
import android.widget.Toast;

import com.example.loginregisterwithsqlite.R;


public class Registration extends Activity {

    LoginDataBaseAdapter loginDataBaseAdapter;
    EditText password,repassword,securityhint;
    Button register,cancel,reg_btn;
    CheckBox check;



protected void onCreate(Bundle savedInstanceState) {
   TODO Auto-generated method stub
super.onCreate(savedInstanceState);
        setContentView(R.layout.registration);

loginDataBaseAdapter = new LoginDataBaseAdapter(this);
loginDataBaseAdapter=loginDataBaseAdapter.open();
password=(EditText)findViewById(R.id.password_edt);
repassword=(EditText)findViewById(R.id.repassword_edt);
securityhint=(EditText)findViewById(R.id.securityhint_edt);
register=(Button)findViewById(R.id.register_btn);
cancel=(Button)findViewById(R.id.cancel_btn);
check=(CheckBox)findViewById(R.id.checkBox1);

check.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {


public void onCheckedChanged(CompoundButton buttonView, boolean
isChecked) {
   TODO Auto-generated method stub

if(!isChecked)
                {
password.setTransformationMethod(PasswordTransformationMethod.getIns
tance());
```

```
                }
else
{
password.setTransformationMethod(HideReturnsTransformationMethod.getI
nstance());
                }
            }
        });


register.setOnClickListener(new View.OnClickListener() {


public void onClick(View v) {
    TODO Auto-generated method stub

String Pass=password.getText().toString();
                String Secu=securityhint.getText().toString();
                String Repass=repassword.getText().toString();

if(Pass.equals("")||Repass.equals("")||Secu.equals(""))
                {
                    Toast.makeText(getApplicationContext(), "Fill
All Fields", Toast.LENGTH_LONG).show();
return;
                }

if(!Pass.equals(Repass))
                {
                    Toast.makeText(getApplicationContext(),
"Password does not match", Toast.LENGTH_LONG).show();
return;
                }
else
{

loginDataBaseAdapter.insertEntry(Pass, Repass,Secu);


Toast.makeText(getApplicationContext(), "Account Successfully
Created ", Toast.LENGTH_LONG).show();
                    Log.d("PASSWORD", Pass);
                    Log.d("RE PASSWORD",Repass);
                    Log.d("SECURITY HINT",Secu);
                    Intent i=new
Intent(Registration.this,MainActivity.class);
                    startActivity(i);

                }
            }
        });
cancel.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {
    TODO Auto-generated method stub
Intent ii=new Intent(Registration.this,MainActivity.class);
```

```
                startActivity(ii);
            }
        });

    }

}
```

output:



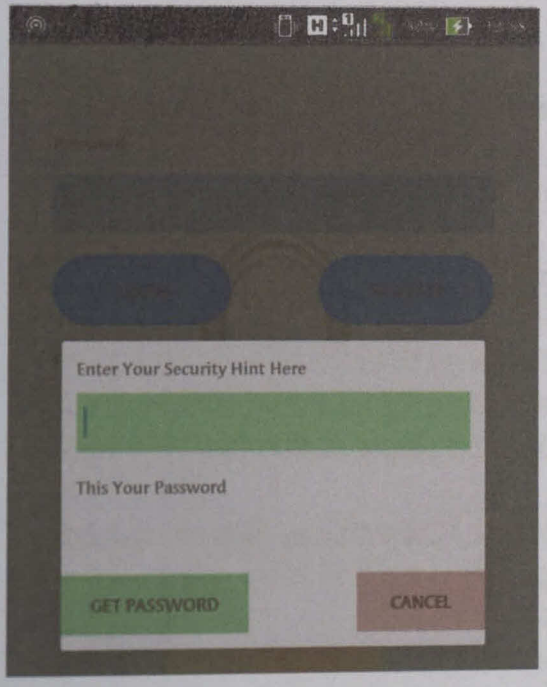
forget_search.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#D8D8D8"
android:orientation="vertical" >
<RelativeLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
>

<RelativeLayout
android:id="@+id/relativeLayout1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
```

```
android:layout_marginLeft="10dp"
android:layout_marginRight="10dp"
android:layout_marginTop="10dp" >

<TextView
android:id="@+id/textView1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/entersecurityhint" />

<EditText
android:id="@+id/securityhint_edt"
android:layout_width="match_parent"
android:layout_height="40dp"
android:layout_marginTop="25dp"
android:padding="5dp"
android:ems="10"
android:background="#9d3ebd49">
</EditText>

<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="15dp"
android:layout_below="@+id/securityhint_edt"
android:text="@string/yourpassword" />

<TextView
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/textView2"
android:layout_marginTop="15dp"
android:textAppearance="?android:attr/textAppearanceMedium" />



</RelativeLayout>

<RelativeLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@+id/relativeLayout1"
android:layout_marginTop="15dp"
android:paddingBottom="10dp">

<Button
android:id="@+id/getpassword_btn"
android:layout_width="wrap_content"
android:layout_height="40dp"

android:paddingLeft="20dp"
android:paddingRight="20dp"
android:text="@string/getpassword"
android:background="#9d3ebd49" />
```

```
<Button
android:id="@+id/cancel_btn"
android:layout_width="wrap_content"
android:layout_height="40dp"
android:layout_alignParentRight="true"

android:paddingLeft="20dp"
android:paddingRight="20dp"
android:layout_alignParentTop="true"
android:text="@string/cancel"
android:background="#9dbd7171" />

</RelativeLayout>


</RelativeLayout>

</RelativeLayout>
```

Output:



Home.java

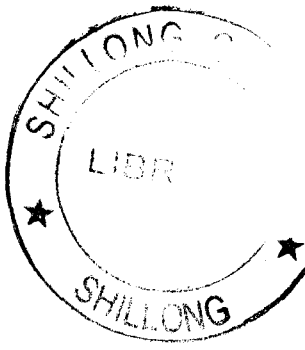
```
package com.example.alfred.diary;


import android.app.ListActivity;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AlertDialog;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ListAdapter;
import android.widget.ListView;
import android.widget.SimpleAdapter;
import android.widget.TextView;
import android.widget.*;
import com.example.loginregisterwithsqlite.R;
import java.util.ArrayList;
import java.util.HashMap;

public class Home extends ListActivity {
    Intent intent;
    ListView lv;
    TextView noteId;


    DBTools dbTools = new DBTools(this);

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);
        setContentView(R.layout.home);
lv=(ListView)findViewById(android.R.id.list);
lv.setOnItemClickListener(new
AdapterView.OnItemClickListener() {

public void onItemClick(AdapterView<?> parent, View
view, int position, long id) {
                Toast.makeText(Home.this, "Here",
Toast.LENGTH_SHORT).show();
            }
        });
        ArrayList<HashMap<String, String>> noteList =
dbTools.getAllNotes();
```

```
if (noteList.size() != 0) {
            ListView listView = getListView();
            listView.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
@Override
public void onItemClick(AdapterView<?> parent, View
view, int position, long id) {
noteId = (TextView) view.findViewById(R.id.noteId);
                    String noteIdValue =
noteId.getText().toString();
                    Intent intent = new
Intent(getApplication(), EditNote.class);
                    intent.putExtra("noteId",
noteIdValue);
                    startActivity(intent);
                }
            });



            ListAdapter adapter = new
SimpleAdapter(Home.this, noteList,
R.layout.note_entry,
new String[]{"noteId", "title", "note"}, new
int[]{R.id.noteId, R.id.title, R.id.textId});
            setListAdapter(adapter);
        }
    }


public void showAddNote(View view) {
        Intent intent = new Intent(getApplication(),
NewNote.class);
        startActivity(intent);


    }

public void onBackPressed() {

        AlertDialog.Builder alert=new
AlertDialog.Builder(this);
        alert.setTitle("Diary");
        alert.setMessage("Are you sure you want to
```

```
exit");
        alert.setPositiveButton("Yes", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int
which) {

                finish();
                Intent a = new
Intent(Intent.ACTION_MAIN);
                a.addCategory(Intent.CATEGORY_HOME);

a.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
                startActivity(a);



            }
        });
        alert.setNegativeButton("Cancel", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int
which) {
                dialog.cancel();
            }
        });
        alert.create().show();
    }



}
```

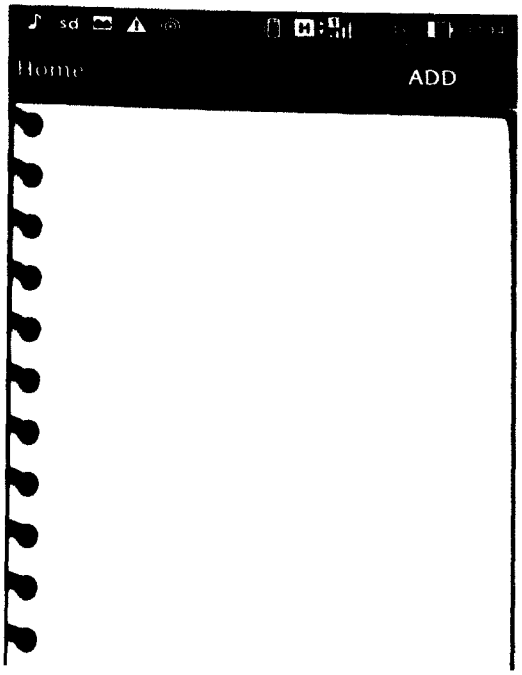
home.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout
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"
tools:context=".Home">


<TableRow
android:id="@+id/tableRow1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="#000000" >

<TextView
android:id="@+id/TitleTextView"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginLeft="5dp"
android:text="Home"
android:textAppearance="?android:attr/textAppearanceLarge"
android:textColor="#FFFFFF"
android:layout_weight="1"/>

<Button
android:id="@+id/button1"
android:background="@drawable/button"
android:onClick="showAddNote"
android:textColor="#FFFFFF"
android:textSize="20sp"
android:text="Add"
android:clickable="true"
android:shadowColor="#4a43ff"
android:singleLine="true"
android:layout_weight="0"/>
</TableRow>
<TableRow
android:id="@+id/tableRow2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="@drawable/bg">

<ListView
android:id="@android:id/list"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_weight="1"
android:paddingLeft="@dimen/padding1"
android:layout_column="0"
>
</ListView>
</TableRow>

</TableLayout>
```

Output:



NewNote.java

```
package com.example.alfred.diary;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
importandroid.widget.EditText;
import com.example.loginregisterwithsqlite.R;
import java.util.HashMap;


public class NewNote extends Activity {
EditTexttitle;
EditTextnote;
    DBTools dbTools= new DBTools(this);
public void onCreate(Bundle savedInstanceState){
super.onCreate(savedInstanceState);
        setContentView(R.layout.add_new_note);
title=(EditText)findViewById(R.id.note_Id);
note=(EditText)findViewById(R.id.text_Id);


    }

public void addNewNote(View view){
        HashMap<String,String> queryValuesMap= new
HashMap<String,String>();
```

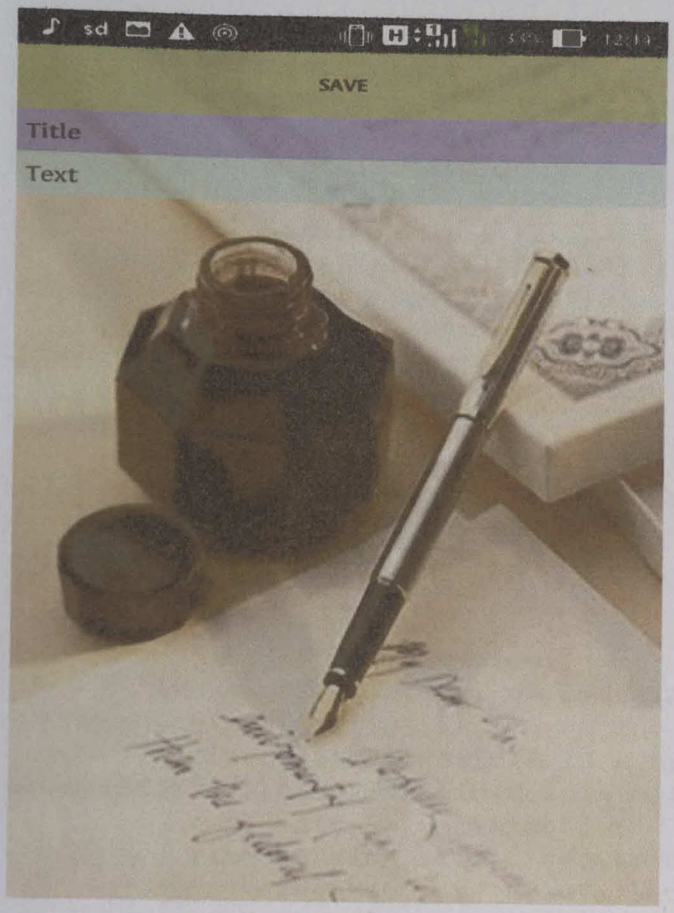
```
        queryValuesMap.put("title", title.getText().toString());
        queryValuesMap.put("note", note.getText().toString());
dbTools.insertNote(queryValuesMap);
this.callMainActivity(view);

    }
public void callMainActivity(View view){
        Intent intent= new Intent(getApplication(),Home.class);
        startActivity(intent);
    }
@Override
public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_add_note, menu);
return true;
    }

@Override
public boolean onOptionsItemSelected(MenuItem item) {


int id = item.getItemId();


if (id == R.id.mcal) {
            Intent iWeb=new Intent(NewNote.this,Cal.class);
            startActivity(iWeb);
return true;
        }

return super.onOptionsItemSelected(item);
    }


}
```

add_new_note.xml

```
<TableLayout
xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@drawable/imgg">

<TableRow
android:layout_width="match_parent"
android:layout_height="match_parent"
android:id="@+id/textId">

</TableRow>

<EditText
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/note_Id"
android:padding="5dp"
```

```
android:hint="Title" />

<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/text_Id"
android:layout_column="0"
android:padding="5dp"
android:hint="Text" />

<TableRow
android:layout_width="match_parent"
android:layout_height="match_parent">

<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="save"
android:layout_weight="1"
android:onClick="addNewNote"
android:id="@+id/button2"
android:layout_column="0"

/>
</TableRow>

</TableLayout>
```

Output:



EditNote.java

```
package com.example.alfred.diary;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.EditText;
import android.widget.*;
import com.example.loginregisterwithsqlite.R;
import java.util.HashMap;

public class EditNote extends Activity{
    EditText title;
    EditText note;
    DBTools dbTools= new DBTools(this);


public void onCreate(Bundle savedInstanceState){
try {
super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_edit_note);
title = (EditText) findViewById(R.id.e_title);
```

```
note = (EditText) findViewById(R.id.e_note);
            Intent intent = getIntent();
            String noteId = intent.getStringExtra("noteId");
            HashMap<String, String> noteList =
dbTools.getNoteInfo(noteId);

if (noteList.size() != 0) {
title.setText(noteList.get("title"));
note.setText(noteList.get("note"));
                Toast.makeText(EditNote.this, "",
Toast.LENGTH_SHORT).show();

            }
        }catch(Exception e){
            Toast.makeText(EditNote.this, ""+e,
Toast.LENGTH_SHORT).show();
        }
    }

public void editNote(View view){
        HashMap<String,String> queryValuesMap= new
HashMap<String,String>();
title=(EditText)findViewById(R.id.e_title);
note=(EditText)findViewById(R.id.e_note);
        Intent intent= getIntent();
        String noteId= intent.getStringExtra("noteId");
        queryValuesMap.put("noteId",noteId);
        queryValuesMap.put("title",title.getText().toString());
        queryValuesMap.put("note",note.getText().toString());
dbTools.updateNote(queryValuesMap);
this.callMainActivity(view);

    }
public void removeNote(View view){
        Intent intent=getIntent();
        String noteId = intent.getStringExtra("noteId");
dbTools.deleteNote(noteId);
this.callMainActivity(view);


    }



public void callMainActivity(View view){
        Intent objIntent= new Intent(getApplication(),Home.class);
        startActivity(objIntent);
    }


public boolean onOptionsItemSelected(MenuItem item) {
int id = item.getItemId();

if(id== R.id.mcal){
            Intent intent= new Intent(EditNote.this,Home.class);
            startActivity(intent);
```

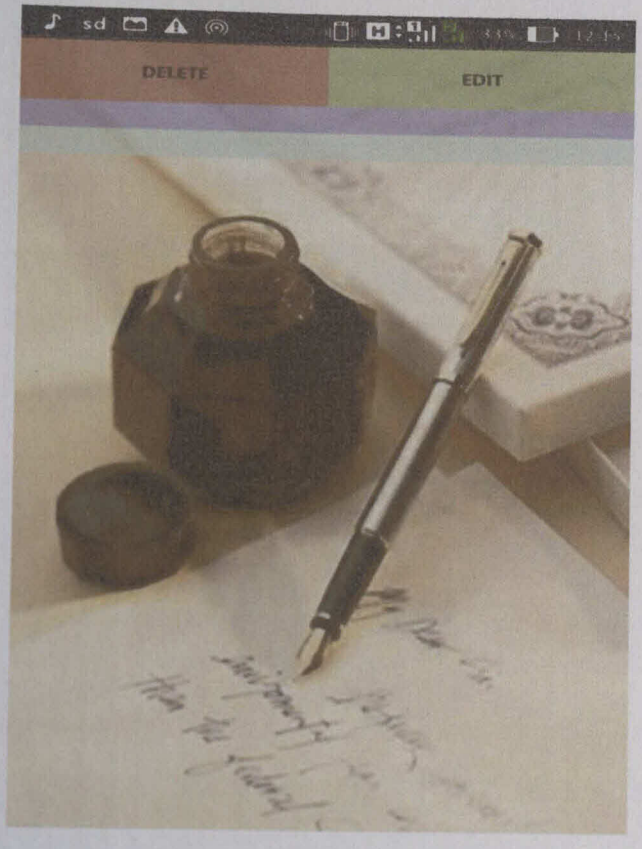
```
        }

return super.onOptionsItemSelected(item);

    }

}
```

activity_edit_note.xml

```
<TableLayout
xmlns:android="http://schemas.android.com/apk/res/android"

android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@drawable/imgg">

<TableRow
android:orientation="vertical"
android:layout_width="match_parent"
android:layout_height="match_parent"
>

<requestFocus/>
</TableRow>

<EditText
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/e_title"
android:text="@string/Title"
android:inputType="textMultiLine"
android:layout_span="2"
android:width="@dimen/padding" />

<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/e_note"
android:layout_column="0"
android:text="@string/Note"
android:layout_span="2" />

<TableRow
android:layout_width="match_parent"
android:layout_height="match_parent">

<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/Edit_Button"
android:layout_weight="1"
android:onClick="editNote"
android:id="@+id/button2"
```

```
android:layout_column="0" />

<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/Delete"
android:onClick="removeNote"
android:layout_weight="1"
android:id="@+id/button"
android:layout_column="0" />
</TableRow>

</TableLayout>
```

Output:



note_entry.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
android:layout_width="fill_parent"
android:layout_height="wrap_content">

<TableRow
android:layout_width="match_parent"
android:layout_height="match_parent"
>

<TextView
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/noteId"
/>

<TextView
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/title"
android:textSize="20sp"
android:textStyle="bold"
/>
</TableRow>

</TableLayout>
```

Conclusion

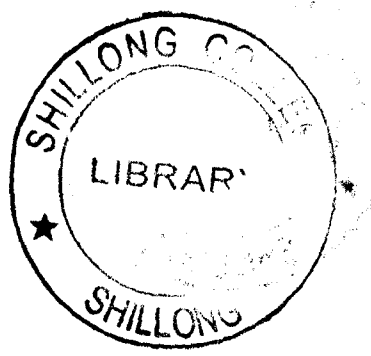
The android development is a fun learning and a very vast topic, it will take years to be able to develop well designed apps with full functionality. The main functions of the project is mostly interacting with database. The User Interface is designed to be as simple as possible without looking too complicated. The android development is rapidly growing and hopefully it more projects will be done by students.

The project is my first android project and so the application has very basic function like text editing and saving with password protection. I tried my best to develop more features on it and I will continue to enhance it even more with more features and functionality in the future.

I hope the user finds it useful.

Thank You

BIBLIOGRAPHY



Book

- Android Development for Dummies 2nd edition.

Course

- Ramakhrishna Mission: Android Development Course. Part 1.

Internet

- Android SQLite database Tutorial.htm
- Derek Banas Tutorials Part 1-16.
- Android Developers.com