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Subject:Mobile Computing

Sessional -2

Display.java:

```
package com.marraige;
```

```
import android.app.Activity;
```

```
import android.content.Context;
```

```
import android.content.Intent;
```

```
import android.database.Cursor;
```

```
import android.database.sqlite.SQLiteDatabase;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.TextView;
```

```
import android.widget.Toast;
```

```
public class display extends Activity {
```

```
    /** Called when the activity is first created. */
```

```
    SQLiteDatabase my_database;
```

```
        @Override
```

```
    public void onCreate(Bundle savedInstanceState) {
```

```

super.onCreate(savedInstanceState);

setContentView(R.layout.second);


createDatabase();

display_records();


final Button manipulate_records=(Button)findViewById(R.id.button1);
manipulate_records.setOnClickListener(new View.OnClickListener() {

        public void onClick(View v) {

                Intent intent = new
Intent(getApplicationContext(),MarraigeRegistrationActivity.class);

                startActivity(intent);

        }

});

}

public void createDatabase() {

        my_database=openOrCreateDatabase("MarraigeTable",Context.MODE_PRIVATE, null);

        my_database.execSQL("CREATE TABLE IF NOT EXISTS MARRIAGE(id INTEGER PRIMARY
KEY AUTOINCREMENT NOT NULL, bride VARCHAR,groom VARCHAR);");

        Toast.makeText(getApplicationContext(),"Table created successfully!",10000).show();

}

public void display_records(){

```

```

        final TextView t = (TextView)findViewById(R.id.textView2);

        Cursor c = my_database.query("MARRIAGE", null, null, null, null, null, null);

        if(c != null){

            String record="";

            c.moveToFirst();

            do

            {

                record=record+c.getString(0)+"\t"+c.getString(1)+"\t"+c.getString(2)+"\n";

            }while(c.moveToNext());

            t.setText(record);

        }

    }
}

```

MarraigeRegistrationActivity.java

```

package com.marraige;

import android.app.Activity;

import android.content.ContentValues;

import android.content.Context;

import android.content.Intent;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
public class MarraigeRegistrationActivity extends Activity {
```

```
    /** Called when the activity is first created. */
```

```
    SQLiteDatabase my_database;
```

```
        @Override
```

```
    public void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.main);
```

```
        createDatabase();
```

```
        final Button add_record=(Button)findViewById(R.id.button1);
```

```
        add_record.setOnClickListener(new View.OnClickListener() {
```

```
            public void onClick(View v) {
```

```
                insertData();
```

```
            }
```

```
        });
```

```
        final Button delete_record=(Button)findViewById(R.id.button2);
```

```
        delete_record.setOnClickListener(new View.OnClickListener() {
```

```
            public void onClick(View v) {
```

```

        deleteData();

    }

});

final Button update_record=(Button)findViewById(R.id.button3);
update_record.setOnClickListener(new View.OnClickListener() {

    public void onClick(View v) {

        updateData();

    }

});

final Button display_record=(Button)findViewById(R.id.button4);
display_record.setOnClickListener(new View.OnClickListener() {

    public void onClick(View v) {

        Intent intent = new Intent(getApplicationContext(),display.class);

        Toast.makeText(getApplicationContext(), "display pressed!",
100000).show();

        startActivity(intent);

    }

});

}

```

```

public void createDatabase() {

    my_database=openOrCreateDatabase("MarraigeTable",Context.MODE_PRIVATE, null);

    my_database.execSQL("CREATE TABLE IF NOT EXISTS MARRIAGE(id INTEGER PRIMARY
KEY AUTOINCREMENT NOT NULL, bride VARCHAR,groom VARCHAR);");

    Toast.makeText(getApplicationContext(),"Table created successfully!",10000).show();

}

public void insertData()
{

    final EditText e1=(EditText)findViewById(R.id.editText2);

    String bride=e1.getText().toString();

    final EditText e2=(EditText)findViewById(R.id.editText3);

    String groom=e2.getText().toString();

    ContentValues record = new ContentValues();

    record.put("bride",bride);

    record.put("groom", groom);

    long id = my_database.insert("MARRIAGE", null, record);

    Toast.makeText(getApplicationContext(), id+"", 100000).show();

}

public void updateData()
{

    final EditText e3=(EditText)findViewById(R.id.editText1);

    String id=e3.getText().toString();

    final EditText e1=(EditText)findViewById(R.id.editText2);

    String bride=e1.getText().toString();

    final EditText e2=(EditText)findViewById(R.id.editText3);

    String groom=e2.getText().toString();

```

```

        ContentValues record = new ContentValues();

        record.put("bride",bride);

        record.put("groom", groom);

        my_database.update("MARRIAGE", record, "id=?", new String[]{id});

        Toast.makeText(getApplicationContext(), "Record updated successfully!",
100000).show();

    }

    private void deleteData() {

        final EditText e1=(EditText)findViewById(R.id.editText1);

        String id=e1.getText().toString();

        my_database.delete("MARRIAGE", "id=?", new String[]{id});

        Toast.makeText(getApplicationContext(), "Record deleted!", 100000);

    }

}

```

## Main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    >
    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="@string/hello"
        />
    <TextView android:text="Enter ID:" android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></TextView>
    <EditText android:layout_height="wrap_content" android:id="@+id/editText1"
        android:layout_width="match_parent" android:inputType="textPersonName"
        android:hint="enter ID....">

```

```

        <requestFocus></requestFocus>
    </EditText>
    <TextView android:text="Enter bride name:" android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></TextView>
    <EditText android:layout_height="wrap_content" android:id="@+id/editText2"
        android:layout_width="match_parent" android:inputType="textPersonName"
        android:hint="enter bride name"></EditText>
    <TextView android:text="Enter groom name:" android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></TextView>
    <EditText android:layout_height="wrap_content" android:id="@+id/editText3"
        android:layout_width="match_parent" android:inputType="textPersonName"
        android:hint="enter groom name:"></EditText>
    <Button android:text="Add record" android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></Button>
    <Button android:text="Delete record" android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></Button>
    <Button android:text="Update record" android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></Button>
    <Button android:text="Display records" android:id="@+id/button4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></Button>
</LinearLayout>

```

Second.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent" android:weightSum="1">
    <TextView android:text="Records" android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></TextView>
    <TextView android:layout_height="wrap_content" android:text="TextView"
        android:id="@+id/textView2" android:layout_weight="0.65"
        android:layout_width="match_parent"></TextView>
    <Button android:text="manipulate records" android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"></Button>

</LinearLayout>

```



## AndriodManifest.java

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.marraige"
    android:versionCode="1"
    android:versionName="1.0">
    <uses-sdk android:minSdkVersion="8" />

    <application android:icon="@drawable/icon"
        android:label="@string/app_name">
        <activity android:name=".MarraigeRegistrationActivity"
            android:label="@string/app_name">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity android:name=".display"
            android:label="@string/app_name">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```



