```java
1    package edu.seaaddicts.brockbutler.contacts;
2
3    import android.app.Activity;
4    import android.os.Bundle;
5    import android.view.View;
6    import android.view.View.OnClickListener;
7    import android.widget.Button;
8    import edu.seaaddicts.brockbutler.R;
9
10   public class AddContactActivity extends Activity {
11
12       private Button mSaveButton;
13       private Button mCancelButton;
14       //private Contact mContact;
15
16       @Override
17       protected void onCreate(Bundle savedInstanceState) {
18           super.onCreate(savedInstanceState);
19           setContentView(R.layout.activity_add_contact);
20           init();
21       }
22
23       /*
24        * Initialize all views and sets Button OnClickListeners.
25        */
26       private void init() {
27           mSaveButton = (Button) findViewById(R.id.add_contact_save_button);
28           mSaveButton.setOnClickListener(new OnClickListener() {
29
30               public void onClick(View v) {
31                   // Grisdale add contact
32                   onBackPressed();
33               }
34           });
35           mCancelButton = (Button) findViewById(R.id.add_contact_cancel_button);
36           mCancelButton.setOnClickListener(new OnClickListener() {
37
38               public void onClick(View v) {
39                   onBackPressed();
40               }
41           });
42       }
43   }
44
```

```
 1    /**
 2     * Contacts.java
 3     * Brock Butler
 4     * A wrapper class for Contact information
 5     * Created by James Grisdale on 2013-02-24
 6     * Copyright (c) 2013 Sea Addicts. All rights reserved.
 7    **/
 8
 9    package edu.seaaddicts.brockbutler.contacts;
10
11
12    public class Contact {
13      public String mSubj;
14      public String mCode;
15      public int mId;
16      public String mFirstName;
17      public String mLastName;
18      public String mEmail;
19      public Contact(){
20      }
21    }
22
```

```java
1    package edu.seaaddicts.brockbutler.contacts;
2
3    import android.app.Activity;
4    import android.os.Bundle;
5    import android.view.Menu;
6    import edu.seaaddicts.brockbutler.R;
7
8    public class ContactsActivity extends Activity {
9
10       @Override
11       protected void onCreate(Bundle savedInstanceState) {
12          super.onCreate(savedInstanceState);
13          setContentView(R.layout.activity_contacts);
14       }
15
16       @Override
17       public boolean onCreateOptionsMenu(Menu menu) {
18          // Inflate the menu; this adds items to the action bar if it is present.
19          getMenuInflater().inflate(R.menu.activity_contacts, menu);
20          return true;
21       }
22
23    }
24
```

```java
  1    package edu.seaaddicts.brockbutler.contacts;
  2
  3    import java.util.List;
  4
  5    import android.content.Context;
  6    import android.view.LayoutInflater;
  7    import android.view.View;
  8    import android.view.View.OnClickListener;
  9    import android.view.ViewGroup;
 10    import android.widget.BaseAdapter;
 11    import android.widget.Button;
 12    import android.widget.TextView;
 13    import edu.seaaddicts.brockbutler.R;
 14
 15    public class ContactsAdapter extends BaseAdapter implements OnClickListener {
 16        private Context context;
 17
 18        private List<Contact> mContactsList;
 19
 20        public ContactsAdapter(Context context, List<Contact> listPhonebook) {
 21            this.context = context;
 22            this.mContactsList = listPhonebook;
 23        }
 24
 25        public int getCount() {
 26            return mContactsList.size();
 27        }
 28
 29        public Object getItem(int position) {
 30            return mContactsList.get(position);
 31        }
 32
 33        public long getItemId(int position) {
 34            return position;
 35        }
 36
 37        public View getView(int position, View convertView, ViewGroup viewGroup) {
 38            Contact c = mContactsList.get(position);
 39            if (convertView == null) {
 40                LayoutInflater inflater = (LayoutInflater) context
 41                        .getSystemService(Context.LAYOUT_INFLATER_SERVICE);
 42                convertView = inflater.inflate(R.layout.row_contact_full, null);
 43            }
 44            TextView tvContact = (TextView) convertView.findViewById(R.id.tv_contact_name
                );
 45            tvContact.setText(c.mFirstName + " " + c.mLastName);
 46
 47            TextView tvEmail = (TextView) convertView.findViewById(R.id.tv_email);
 48            tvEmail.setText(c.mEmail);
 49
 50            TextView tvMail = (TextView) convertView.findViewById(R.id.lv_courses);
 51            tvMail.setText(c.mEmail);
 52
 53            // Set the onClick Listener on this button
 54            Button btnRemove = (Button) convertView.findViewById(R.id.btnRemove);
 55            btnRemove.setFocusableInTouchMode(false);
 56            btnRemove.setFocusable(false);
 57            btnRemove.setOnClickListener(this);
 58
 59            // Set the entry, so that you can capture which item was clicked and
 60            // then remove it. As an alternative, you can use the id/position of the
                item to capture
 61            // the item that was clicked.
 62            btnRemove.setTag(c);
 63            // btnRemove.setId(position);
 64
 65
 66            return convertView;
 67        }
 68
 69        public void onClick(View view) {
```

```
70              Contact c = (Contact) view.getTag();
71              mContactsList.remove(c);
72              // listPhonebook.remove(view.getId());
73              notifyDataSetChanged();
74
75          }
76
77      /*private void showDialog(Contact c) {
78              // Create and show your dialog
79              // Depending on the Dialogs button clicks delete it or do nothing
80          }*/
81
82      }
83
```

```
1    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
2        xmlns:tools="http://schemas.android.com/tools"
3        android:layout_width="match_parent"
4        android:layout_height="match_parent"
5        android:layout_margin="10sp"
6        android:orientation="vertical"
7        tools:context=".AddTaskActivity" >
8
9        <LinearLayout
10           android:layout_width="fill_parent"
11           android:layout_height="wrap_content"
12           android:orientation="horizontal" >
13
14           <TextView
15               android:layout_width="85sp"
16               android:layout_height="wrap_content"
17               android:text="@string/activity_add_contact_fname" />
18
19           <EditText
20               android:id="@+id/et_contact_fname"
21               android:layout_width="180sp"
22               android:layout_height="wrap_content"
23               android:layout_marginLeft="25sp"
24               android:hint="@string/activity_add_contact_hint_fname"
25               android:inputType="text" />
26       </LinearLayout>
27
28       <LinearLayout
29           android:layout_width="fill_parent"
30           android:layout_height="wrap_content"
31           android:orientation="horizontal" >
32
33           <TextView
34               android:layout_width="85sp"
35               android:layout_height="wrap_content"
36               android:text="@string/activity_add_contact_lname" />
37
38           <EditText
39               android:layout_width="180sp"
40               android:layout_height="wrap_content"
41               android:layout_marginLeft="25sp"
42               android:hint="@string/activity_add_contact_hint_lname"
43               android:inputType="text" />
44       </LinearLayout>
45
46       <LinearLayout
47           android:layout_width="fill_parent"
48           android:layout_height="wrap_content"
49           android:orientation="horizontal" >
50
51           <TextView
52               android:layout_width="85sp"
53               android:layout_height="wrap_content"
54               android:text="@string/activity_add_contact_email" />
55
56           <EditText
57               android:layout_width="180sp"
58               android:layout_height="wrap_content"
59               android:layout_marginLeft="25sp"
60               android:hint="@string/activity_add_contact_hint_email"
61               android:inputType="text" />
62       </LinearLayout>
63
64       <LinearLayout
65           android:layout_width="fill_parent"
66           android:layout_height="wrap_content"
67           android:layout_margin="10sp"
68           android:gravity="center_horizontal"
69           android:orientation="vertical" >
70
71           <Button
```

```
72                    android:id="@+id/add_contact_add_course_button"
73                    android:layout_width="150sp"
74                    android:layout_height="wrap_content"
75                    android:layout_gravity="center_horizontal"
76                    android:text="@string/activity_add_contact_courses" />
77
78            <ListView
79                    android:id="@+id/add_contact_course_listview"
80                    android:layout_width="wrap_content"
81                    android:layout_height="100sp"
82                    android:layout_marginTop="10sp"
83                    android:text="@string/activity_add_task_contacts"
84                    android:textSize="20sp" />
85        </LinearLayout>
86
87        <LinearLayout
88            android:layout_width="fill_parent"
89            android:layout_height="wrap_content"
90            android:layout_margin="10sp"
91            android:gravity="center_horizontal"
92            android:orientation="horizontal" >
93
94            <Button
95                    android:id="@+id/add_contact_save_button"
96                    android:layout_width="100sp"
97                    android:layout_height="wrap_content"
98                    android:text="@string/button_save" />
99
100           <Button
101                   android:id="@+id/add_contact_cancel_button"
102                   android:layout_width="100sp"
103                   android:layout_height="wrap_content"
104                   android:layout_marginLeft="20sp"
105                   android:text="@string/button_cancel" />
106       </LinearLayout>
107
108   </LinearLayout>
```

```
 1    <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
 2        xmlns:tools="http://schemas.android.com/tools"
 3        android:layout_width="match_parent"
 4        android:layout_height="match_parent"
 5        tools:context=".ContactsActivity" >
 6
 7        <TextView
 8            android:layout_width="wrap_content"
 9            android:layout_height="wrap_content"
10            android:layout_centerHorizontal="true"
11            android:layout_centerVertical="true"
12            android:text="@string/title_activity_contacts" />
13
14    </RelativeLayout>
```