[**Homework#6**](https://bb-csuohio.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6362374_1&course_id=_168060_1&group_id=&mode=view)

Contact management app version 2

* Like version 1, the layout for the main activity should have a button (at the bottom of the layout) for users to add a new contact, and the new contact information should be passed back to the main activity on exit of that activity
* The created contacts should be displayed as a ListView in the main activity
* In the ListView, each contact’s full name should be displayed
* In the main activity, a user could click any row of the contact, a third activity would open to display the contact details

Solution:

UI control on the screen of the first activity so that you can go to the scond activity:

In layout: activity\_first.xml, I added a button “Add Contact” so that upon a mouse click, the screen will go to the Second Activity where details can be added.

<Button  
 android:id="@+id/buttonAdd"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:text="Add Contact"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />

UI control on the screen of the second activity in layout activity\_second.xml, I have added 3 text input fields, where name, phone number and email address details can be entered and also a button “Submit” to save contents in first activity page.

Below code is for input field of name and I have done similarly for other 2 fields:

<EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="48dp"  
 android:ems="10"  
 android:hint="name"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />

Here is the code for submit button,

<Button  
 android:id="@+id/buttonSubmit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:text="submit"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextEmailAddress" />

Code for ListView:

<ListView  
 android:id="@+id/listView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:padding="16dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/buttonAdd" />

Code for viewing each contact details in Third Activity or new screen:

<TextView  
 android:id="@+id/nameTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />

Screenshots:

A black cell phone with a white screen

Description automatically generatedA black cell phone with a purple box

Description automatically generatedA screen shot of a cell phone

Description automatically generated

A close-up of a cell phone

Description automatically generatedA close-up of a cell phone

Description automatically generated

A black cell phone with white text

Description automatically generated

List View of all contacts