Homework Assignment #3 – (25 Points)

This assignment is about creating the Rolodex application that contains the contact information. Each contact information includes:

- First name
- Last name
- Middle name (optional)
- Phone number

The Rolodex application will save the data in an array in your application:

- Retrieve Rolodex records
- Add a new Rolodex record
- Update the existing Rolodex record
- Delete the selected Rolodex record

The Rolodex application uses Fragment and DialogFragment.   In addition, the Rolodex records are displayed in the ListView view. The ListView view is set to be single-selection mode.

Each row in the ListView view is another layout. The layout for each row contains two TextView views.

- The top TextView view contains the name of the contact, starting the last name, then the comma, and followed by the first name and middle name.
- The bottom TextView view contains the phone number.

Hints:

- Regarding displaying the selected list row in a ListView view, refer to the discussion as indicated in the URL below:
  - https://stackoverflow.com/questions/16189651/android-listview-selected-item-stay-highlighted

The screen shots of the application are listed below. Each screen shot (figure) will be described in details:
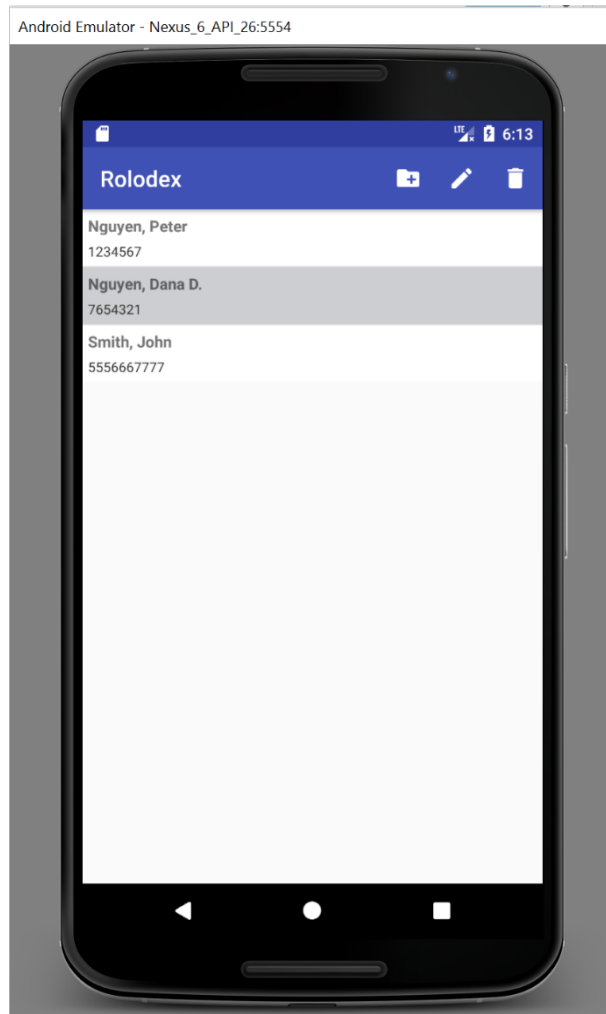
- **Figure #1** – This is the application tool bar. There are three buttons: Add, Update, and Delete. Clicking on the Add button will display the Add Rolodex dialog. Clicking on the Update button will display the Update Rolodex dialog. Clicking on the Delete button will delete the currently selected list row.
- **Figure #2** – This is the main screen which appears when the application starts up. If there are any Rolodex records created previously, these records will be retrieved and displayed in the ListView view.
- **Figure #3** – This is the Add Rolodex DialogFragment, which prompts the user to enter the Rolodex data as shown. The text hints are displayed in the TextView views. As the user enters

the data, the text hints will disappear and only show the texts as entered by the user. On this dialog, there are two buttons (CANCEL and OK). .
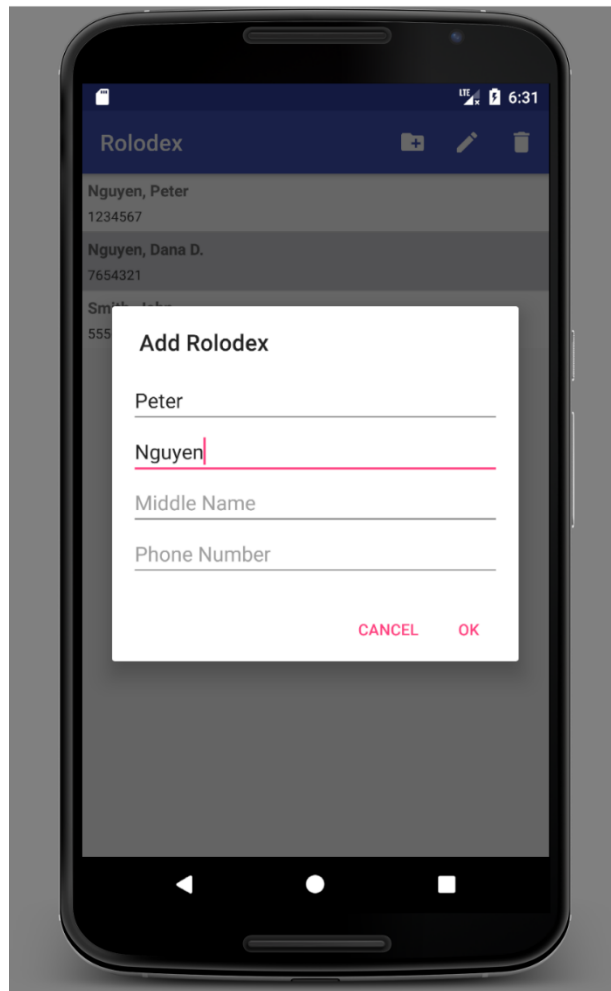
- **Figure #4** – This is the Update Rolodex DialogFragment. The data from the selected row will be populated here. The user can make the changes. On this dialog, there are two buttons (CANCEL and OK).
- **Figure #5** – The CONFIRMATION DialogFragment is displayed when the user attempts to delete the selected Rolodex record in the ListView view. On this dialog, there are two buttons (CANCEL and OK). .
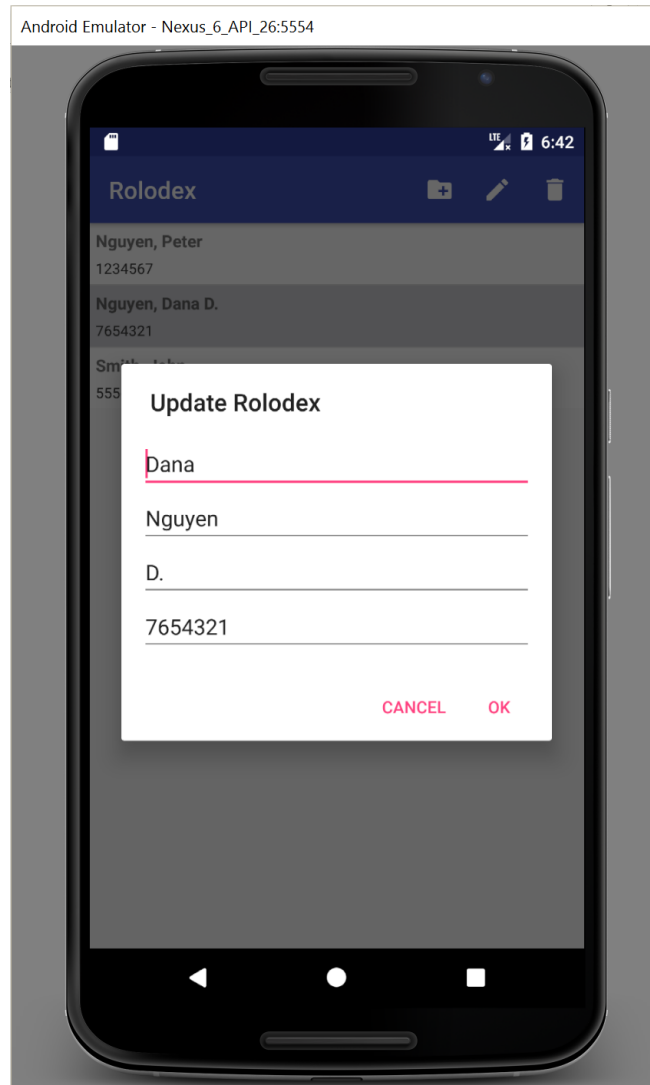
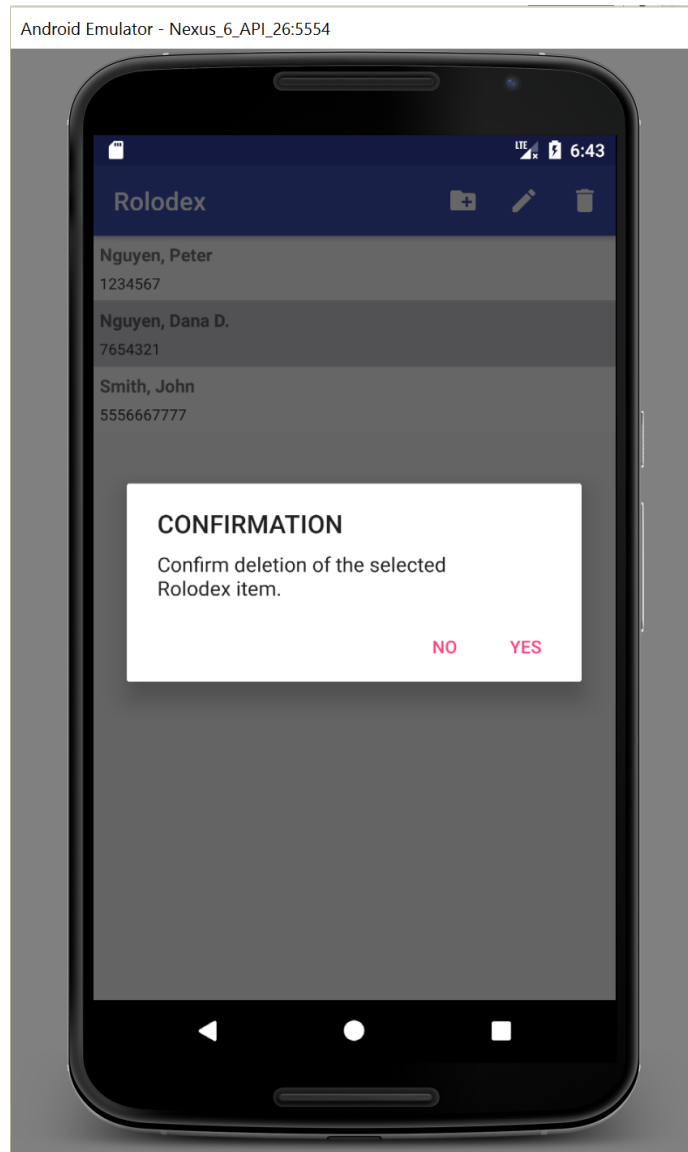**Figure #1** – The Application Tool Bar

Figure #2 – Main Application Screen.

Figure #3 – The Add Rolodex Dialog

Figure #4 – The Update Rolodex Dialog

Figure #5 – The Confirmation Dialog

Rolodex App is due on **Sunday Mar 31, 2019 at midnight**.