

Report for Assignment 2

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In this assignment, I implemented a contact list app. This app contains several activities and fragments to support the availability in both portrait and landscape mode. Preference is used to store the contact list data when a new contact is produced. Intent is used to pass values in three pages. Three fragments are created as three pages.

In portrait mode, three fragments for three pages are created and used in three activities: MainActivity, Main2Activity, Main3Activity. User can click the buttons to go to different activities. In landscape mode, MainActivity use a different layout to suit the phone, and call different fragments in the right side. The left side will show the contact list.

Fragment 1 shows the current contact list as a ListView. The app will read the preference and find the current list. Users can click add to create a new contact by jumping to fragment2, and can choose multiple checkboxes and use delete button to delete their information. By clicking a contact, it will jump to Fragment3 and pass the name of the person to show the information of the person.

Fragment2 allows people to create a new contact. Users can write the name, phone number and use the camera by click the image to have a photo for this contact. Users also can check the checkboxes in the relationship to choose their relationships. By click the add button, these information will be stored in the preference and show the name in the Fragment1. The photo of this person will be stored in the phone named by the person's name.

Fragment3 shows the person's information. Intent will be used to pass the name of the person. Name, telephone number, relationships and the photo of the person will be showed on the screen. If the photo is not available, there will be a default photo. Users can click the name under relationships to check the information of the person. By clicking the photo, the photo will show in the whole screen. Click the screen again will show the information again.