In Class 06 (100 Points)

In this assignment you will get familiar with making API requests and parsing JSON. You will develop a contacts application which enable you to list, create, edit and delete contacts. The contacts api details are described in the provided Postman file which you should start by importing it to your Postman.

Your application should contain only **one Activity and multiple fragments** to implement the required screens. The wireframes are not provided to leave it up to you to design your apps. All api calls should be done through the OkHttp library which should be integrated in your project.

Part 1 : Contacts List Screen (50 Points)
The requirements are as follows:
1. This is the main launcher screen:
   a. It should retrieve the list of users using the "/contacts/json" API.
   b. You should create a Contact class to store the parsed JSON contact information.
   c. Each displayed list item should show all the contact name, email, phone number, phone type and a delete icon.
2. Clicking on a row item should go to the Details Screen. The Contact List Screen should pass the required information to the Details Screen in order to display the contact details.
3. Clicking the "Delete" icon should delete the selected contact and should refresh the List to show the updated list of contacts.
   a. The app should call the "/contact/json/delete" API after the API is completed you should reload the list of users calling the "/contacts/json" API and refresh the list.
4. Clicking the "Add" button should go to the New Contact Screen.

Part 2 : New Contact Screen (30 Points)
The requirements are as follows:
1. Clicking the "Cancel" button should dismiss this Screen and return back to the Contacts List Screen.
2. Clicking the "Submit" button, the app should check if all the fields are entered and display a Toast if any of the entries is missing.
   a. If all the fields are entered, the app should call the "/contact/json/create" API. After the API is completed the app should dismiss this Screen and signal the Contacts List Screen to refresh the list of users.
   b. Upon returning to the Contacts List Screen the List should be refreshed and should include the newly created contact. This should be done by reloading the list of users by calling the "/contacts/json" API and refresh the list.

Part 3 : Contact Details Screen (20 Points)
The requirements are as follows:
1. This screen should display the contact details.