



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

**Faculty of Computing and
Informatics**

School of Computing

Department of Software
Engineering

13 Jackson Kaujeua Street
Private Bag 13388
Windhoek
NAMIBIA

T: +264 61 207 2052
F: +264 61 207 9052
E: dse@nust.na
W: www.nust.na

MAP711S Supplementary Lab: Retrofit API

This lab is designed to allow students to consolidate their understanding of various concepts learned so far by developing a basic application that leverages Retrofit to get data from API. This lab requires the use of Android Studio instead of the Kotlin playground, as it focuses on building an Android application rather than a console application. **It's important to note that the completion of this lab will contribute 10% towards your final grade.**

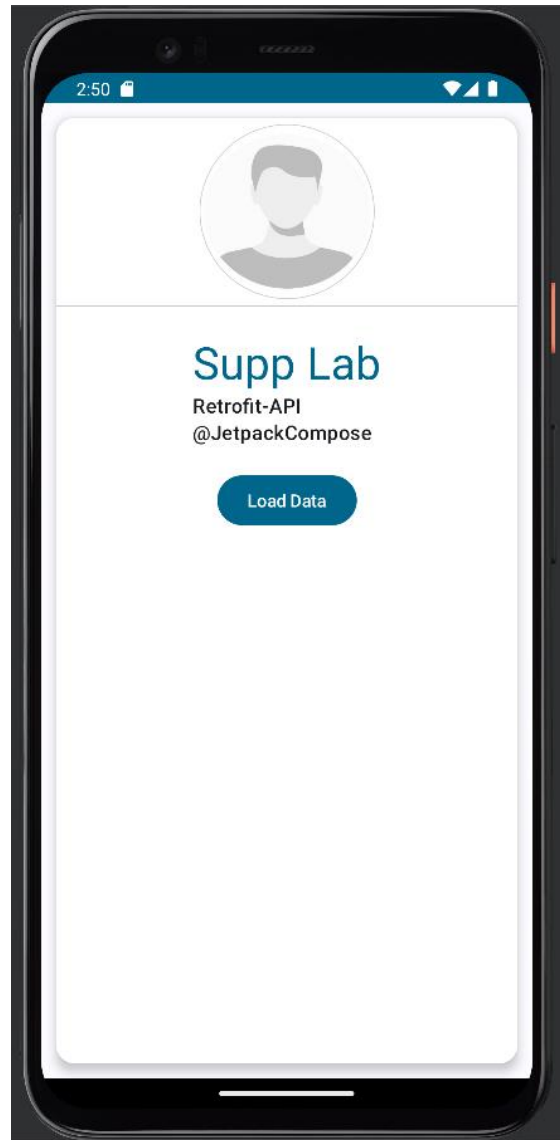
Develop an application that leverages an API to load external data, that will be rendered inside the application as various profiles within a lazy column as indicated below.

See below links for the data:

<https://jsonplaceholder.typicode.com/>

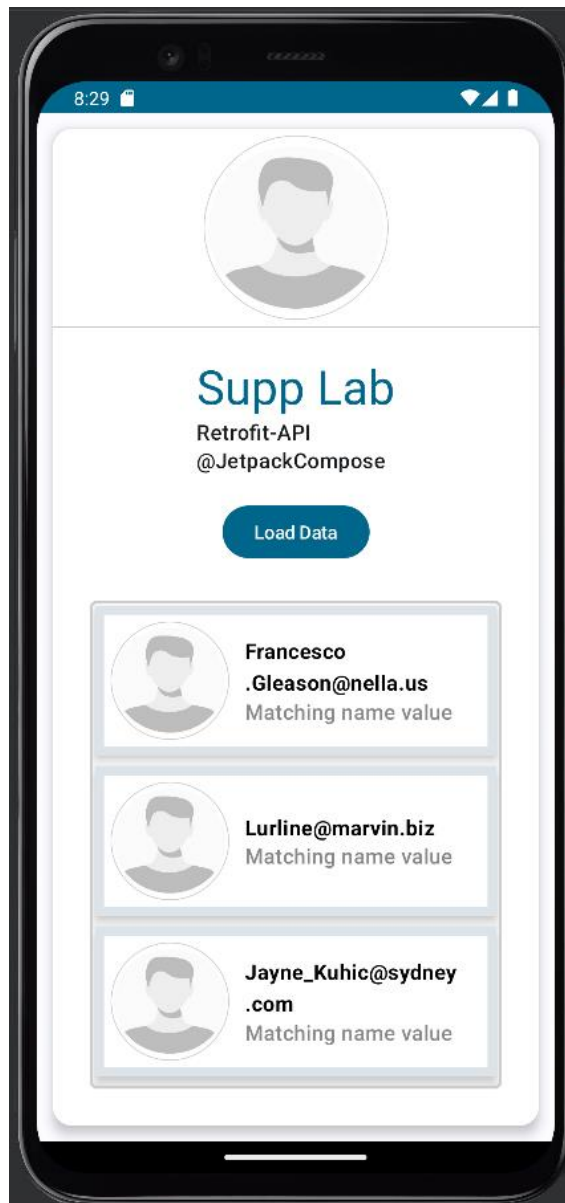
<https://jsonplaceholder.typicode.com/comments>

The provided link contains a dataset called "comments" that you'll integrate into your application. You'll specifically load the email and name properties as outlined below. Initially, the app should appear as follows.



When the "**load data**" button is clicked, the app should appear as described below:

The displayed data should be sourced from the list in the URL provided. Display the email and corresponding name of each specific object within the list.



Implementation:

Make sure to utilize **Jetpack Compose** and ensure that the data is fetched from an external source, specifically from the provided link. Adhere to best practices, including handling responses and failures when loading the data.

[END]