

MID TERM PROJECT

Advanced Native Mobile Programming
Even Semester 2021-2022

Fakultas Teknik Informatika - Universitas Surabaya

MID TERM PROJECT DETAILS

Create a new project that follows these constraints strictly:

1. Follow **MVVM Architecture**
2. Contains at least **8 (eight) Fragments** with a single activity
3. Must use “**bottom navigation**” & “**navigation drawer**”
4. Must use at least single **Recycler View** and **Details**
5. Students must use **custom JSON** to be consumed in the app
6. There is **no obligation to use external database**
7. Students are prohibited from using projects from the week four tutorial

EXAMPLE of CUSTOM JSON

```
{"employees":[  
  {"name":"Shyam", "email":"shyamjaishwal@gmail.com"},  
  {"name":"Bob", "email":"bob32@gmail.com"},  
  {"name":"Jai", "email":"jai87@gmail.com"}  
]}
```

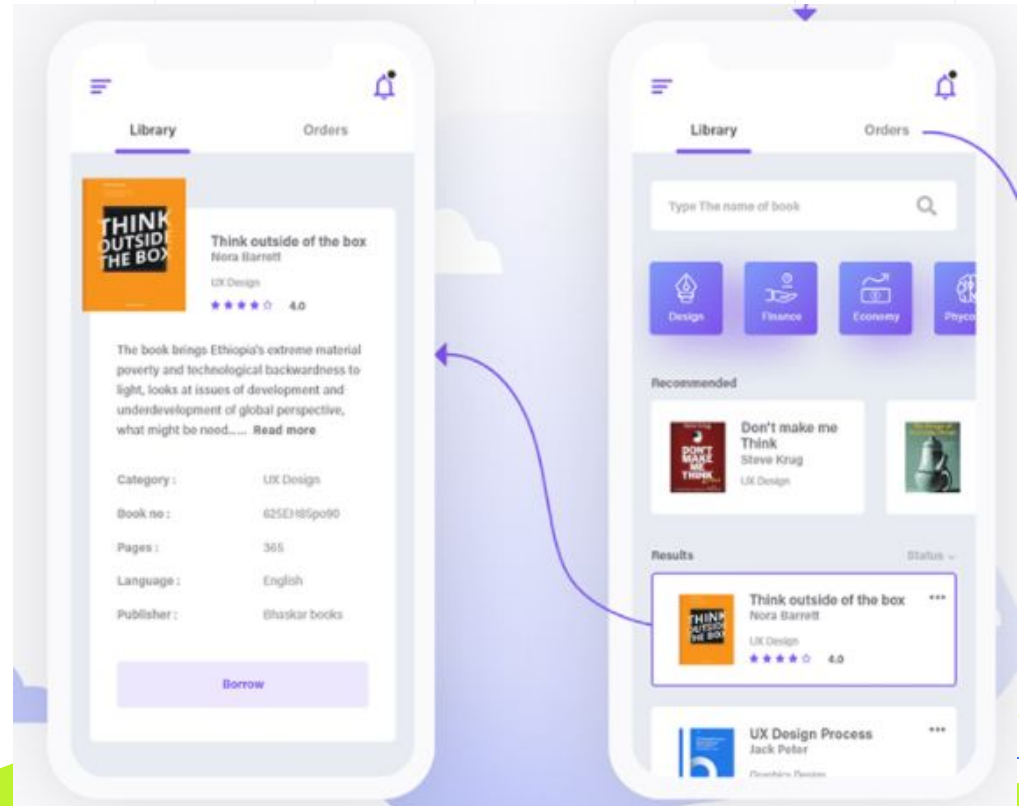
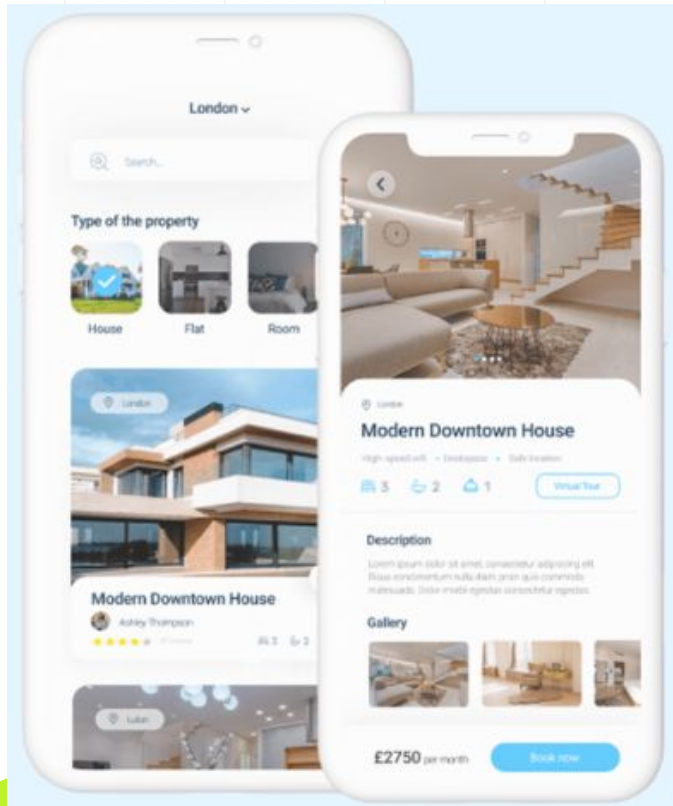
This custom JSON provides three employees' data, with the file name of employees.json. Using volley, you may access it directly from the URL.

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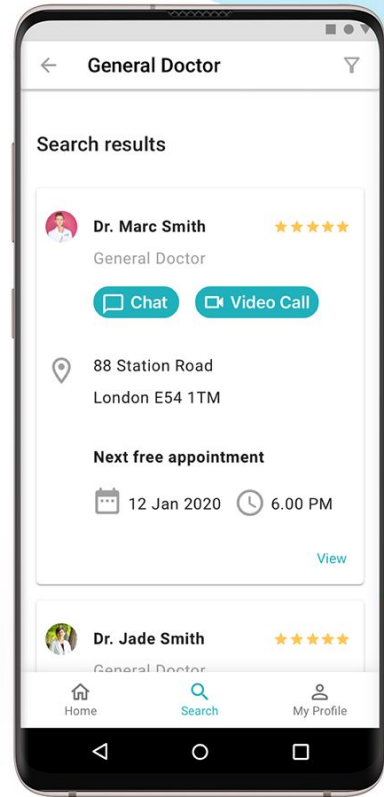
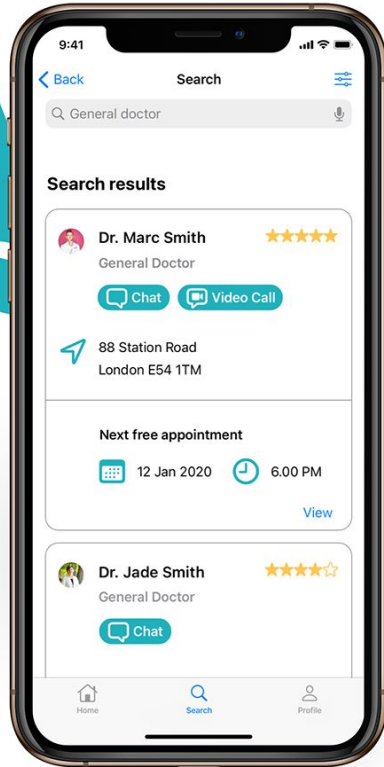
App Theme & Topics (please choose one):

- UbayaKost (list kost dekat ubaya dan info terkait)
- UbayaLibrary (buku2 yang tersedia di perpustakaan dan infonya)
- Satu Jiwa versi mobile (galang dana)
- Healthcare UMC (jadwal praktik dokter, obat)
- UbayaKuliner (tempat makan sekitar Ubaya, ada review)

EXAMPLE



EXAMPLE



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Requirements:

- Project name must contains student **“NRP”**
- Github based, make it publicly accessible
- Upload your **video recording** into Google Drive, make it publicly accessible
- Submit both github link and recording on **Thursday, April 7th, 2022**
- Project should be presented during the exam date on **Friday, April 8th 2022**

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Requirements:

- Students must **record the presentation** using zoom/bandicam/others
- Video records duration is maximum of **5 minutes**
- Video records contains:
 - A brief explanation of application **workflow from start to finish**
 - A brief explanation of custom **JSON structure and how to consume it** in the application

MID TERM PROJECT ASSESSMENT

- Student able to demonstrate proficiency in implementing **MVVM architecture (20%)**
- The student demonstrated proficiency in using **custom JSON (understand the structure) (5%)**
- Student demonstrated their understanding to create **proper navigation**, using bottom bar navigation, navigation drawer, using navigation graph properly **(15%)**
- The student successfully consumed the custom JSON, correctly rendered data **using RecyclerView, and showing the details for each data (60%)**

NO PLAGIARISM

- Any attempts of cheating (including plagiarism) will result in heavy penalty: **NA = 0**
- Ask your lecturers if you have any questions



THANKS!

Any questions?

You can find me at
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