MID TERM PROJECT

Advanced Native Mobile Programming
Even Semester 2022-2023
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":"shyamjaiswal@gmail.com"},
    {"name":"Bob", "email":"bob32@gmail.com"},
    {"name":"Jai", "email":"jai87@gmail.com"}
]}
```
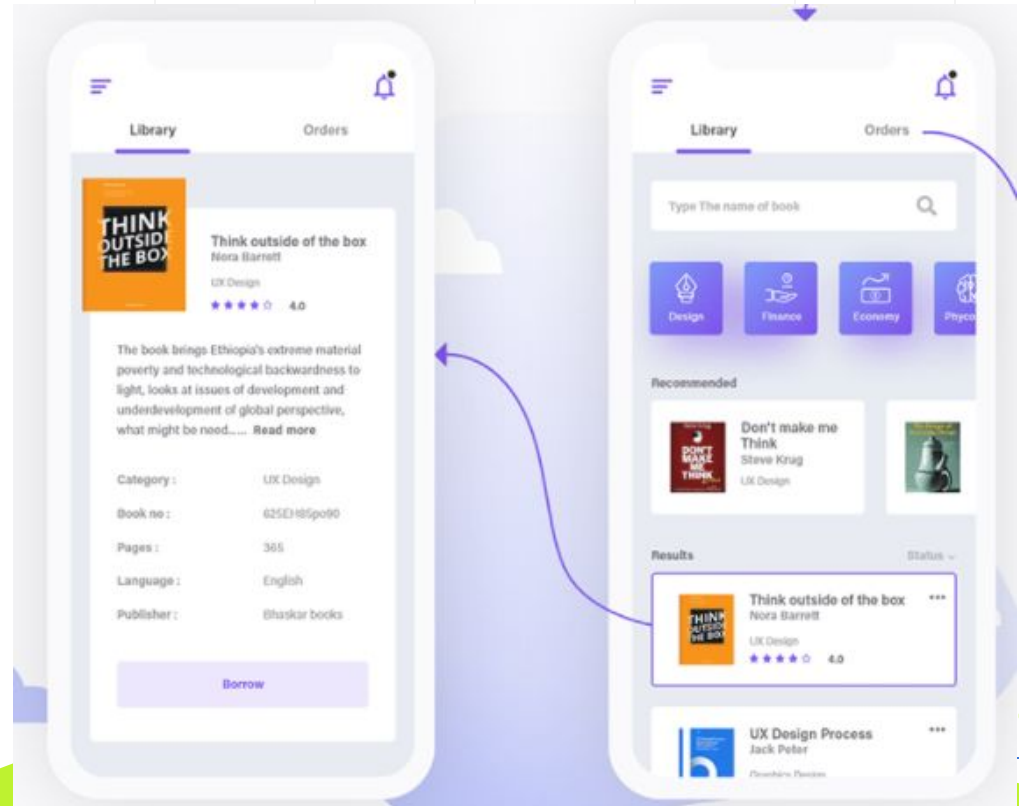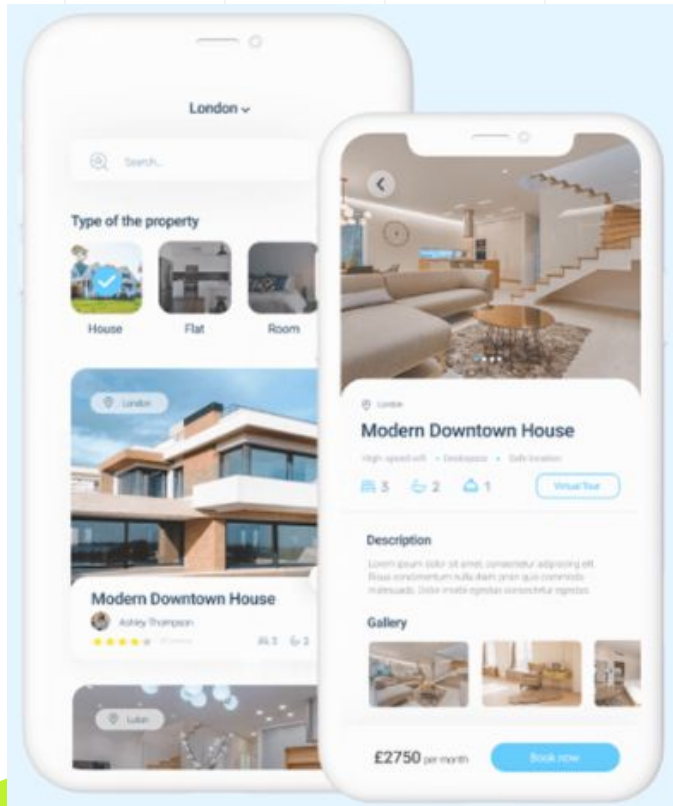
This custom JSON provides three employees' data, with the file name of employees.json. Using volley, you may access it directly from the URL.
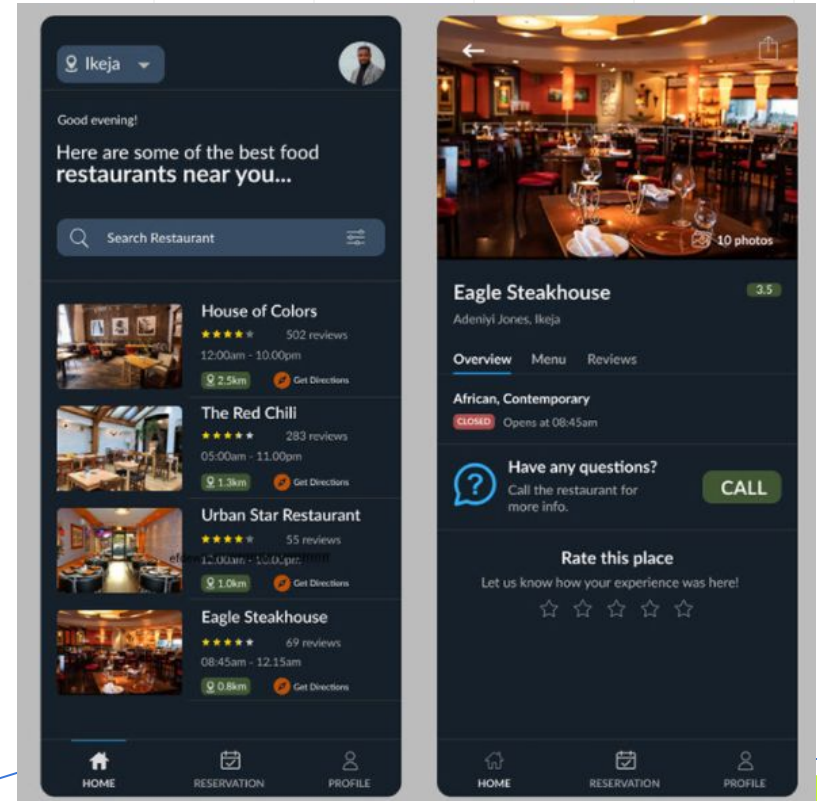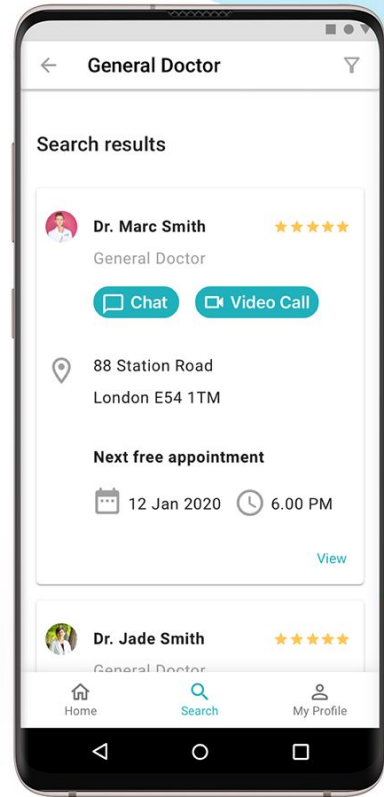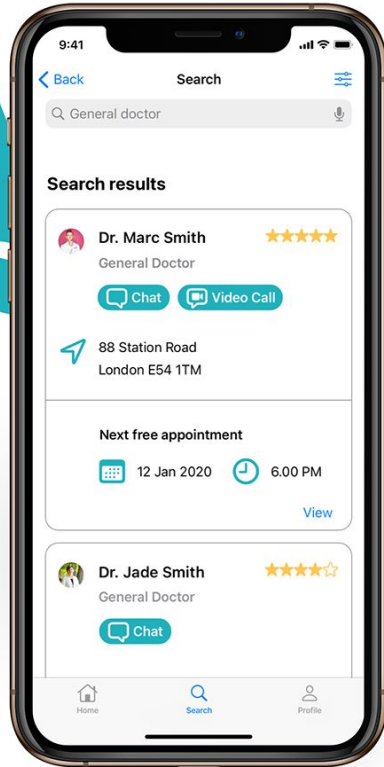
MID TERM PROJECT DETAILS

App Theme & Topics (ditentukan oleh lecturer):

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

EXAMPLE

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MID TERM PROJECT DETAILS

Requirements:

- Project name must contains student **"NRP"**
- Github based, make it publicly accessible
- Submit github link and recording on **exam day -1 (H-1)**
- Project should be presented during the exam date (H)

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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