



ANDROID TEST

Note: Application code **MUST** be pushed to git repository (github, gitlab, etc). Other mediums are not allowed.

***Deadline is (2) days.**

Submission Deadline: 2 days after the email received.

Drinks Recipes Android Application

Scenario:

Mr. X needs a mobile application in android, he wants to get recipes of different types of drinks which can be searched by name or by a starting alphabet. He wants to save his favorite drinks so that he can view those favorites without internet. (A filled star is shown right next to each favorite item) In addition, he also wants to see if the drink is alcoholic (a checkbox is selected if it is alcoholic)

He eats lunch at 01:30 PM so he needs to get notified at 02:00 pm about any random drink recipe so that he can drink it after lunch. Furthermore, he wants to see the image and name of that drink in the notification as well.

Development Requirements:

- Application should be created in KOTLIN
- It is recommended to use MVVM architecture for this implementation.
- API calls for getting response.
 - Search by name: <https://www.thecocktaildb.com/api/json/v1/1/search.php?s=margarita>
 - Search by starting alphabet: <https://www.thecocktaildb.com/api/json/v1/1/search.php?f=a>
- Initially when the application is loaded, you can pass "margarita" in the search by name API call
- Use Retrofit for implementing API calls.
- Image thumbnails should be circular as seen in mockup below.
- Implement RecyclerView .
- Use a custom row item for each recycler or list view. Take row item reference from mockup below.
- Notify user at 2pm which must fulfil requirements below(optional),
 - Must be a custom view (Provided in the mockup below).
 - If there is no internet connection at 2pm it must be any random from favorites or if favorites are empty you must notify with simple mgs like "Need some drinks open app now".
 - If user restart his device handle it in a way that it does not impact notifications.
 - Notifications must be handled by Services, Broadcast Receivers and Alarm Managers.





- You have to store last state of the user e.g.
 - Search by name
 - Search by alphabet
 - If user check any of the above by name or alphabet every time user see his last state.
- Save favorite drinks in new fragment name as “Favorite Fragment”
 - It must save the favorite drinks info including drink images in database.
 - This feature has to work without using internet connection so keep in mind that image should be load without internet.

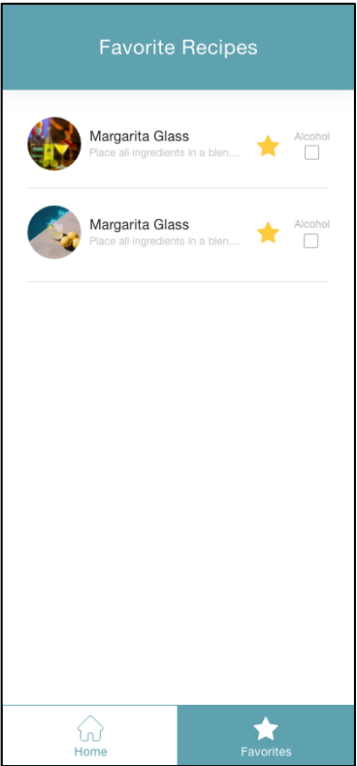
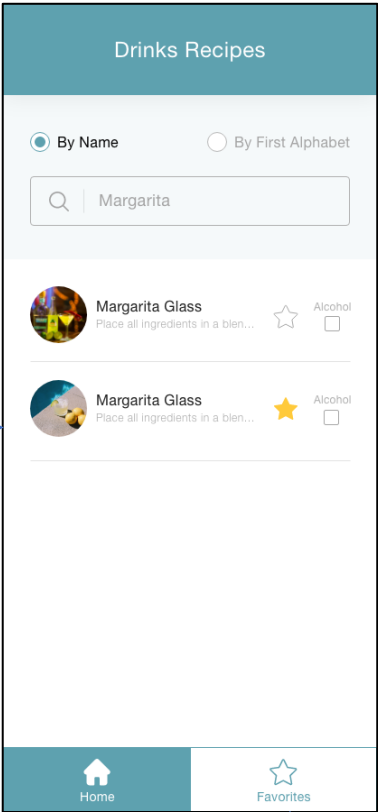




App Mockup:



User clicks on the notification and it takes user to the App's home screen



User clicks on favorites tab to view favorites list

