

MAD ASSIGNMENT 3

DATE: 18-03-2023 (WEEK 3)

ASSIGNMENT DETAILS

1. There are total 3 screens, Screen A, B, and C.
2. Add a top bar with title "UserDirectory" on all screens (and appropriate navigation icons wherever required)
3. Create a user class with following properties. (userId, username, fullName and email)
4. Create a randomly generated list of **5 users** (Refer assignment 2 for more info)
5. When app is open, show screen A with a button "Add all users". Upon clicking on this button, add generated users to local room database.
6. If the users are added, show screen B, otherwise show screen A on app opening. (Hint: use DataStore)
7. On screen B, show a list of all users from database. Also, add one button "Click here to add user". Upon clicking on that button, randomly generate one user and add it to database.
8. When the database is updated (i.e., new user is added) your list should automatically update in the UI (Hint: use Observable read)
9. Upon clicking on any user item on Screen B, it should navigate to Screen C. (Hint: Pass userId as a navigation argument to Screen C and retrieve data there. You may use `withArgs` function provided in our sample repo or use your own solution.
10. Screen C should show the user details of which we clicked in Screen B. Handle back button in the TopBar as well.
11. You must use Jetpack Compose to build the UI.

SUBMISSION

1. Upload your project on GitHub. You **must have to use a private repository** that is only accessible to you. (Skip if already done in previous assignment)
2. When you finish your project, assign access to me so I can review the code. This is a one-time only procedure. (Skip if already done in assignment 1)
3. Write a LinkedIn post about the assignments and tag me (<https://www.linkedin.com/in/hadiyarajesh>). Create a demo video of your app's behavior and upload it with the post. This is optional but recommended.
4. Submit your assignment by Monday EOD.

REVIEW

1. I'll review the code and assign you a score. (Private to me)
2. I'll provide the solution to the previous assignment on Tuesday (or Wednesday) so you can learn and improve next week.





