MAD ASSIGNMENT 3

DATE: 18-03-2023 (WEEK 3)

ASSIGNMENT DETAILS

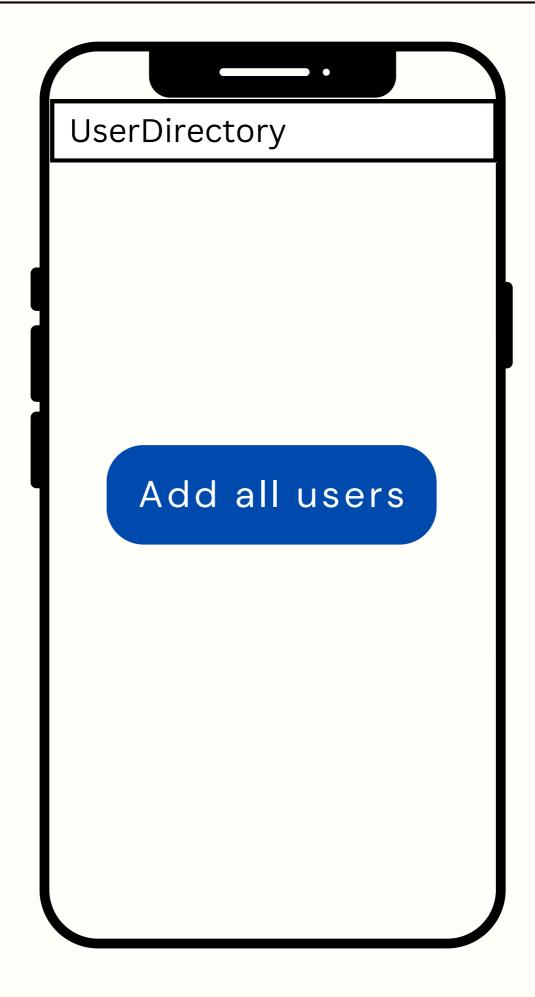
- 1. There are total 3 screens, Screen A, B, and C.
- 2. Add a top bar with title "UserDirectory" on all screens (and appropriate navigation icons wherever required)
- 3. Create a user class with following properties. (userId, username, fullName and email)
- 4. Create a randomly generated list of **5 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.



UserDirectory Welcome to user list screen UserId: {userId} username: {username} fullName: {fullname} email: {email} Click here to add user

