

# MAD ASSIGNMENT 4

DATE: 25-03-2023 (WEEK 4)

## ASSIGNMENT DETAILS

1. There are total 2 screens, Screen A and B
2. Add a top bar on all screens (and appropriate navigation icons wherever required)
3. You must use Jetpack Compose to build the UI.

### Screen A

1. Create A TextField to search users and a button that retrieves the list of users based on search query from GitHub Search API (details below).
2. Display a paginated list of users, which should automatically load more data when user scrolls down.
3. Use a Card (or Elevated Card) to display User's profile image, username and profile URL)
4. Upon clicking on user card, it should navigate to Screen B.
5. When User change the search query and press the "Search users" buttons, invalidate the previous data and load new data.

### Screen B

1. Upon arriving on this screen, trigger a GitHub User API to fetch details about user (by username)
2. Use a Card (or Elevated Card) to Display all fields appropriately as shown in Screen B.
3. Allow user to navigate back.

## GITHUB API INFO

Search Api Documentation

<https://docs.github.com/en/rest/search?apiVersion=2022-11-28#search-users>

Sample API call

Search users ([https://api.github.com/search/users?q=Rajesh&page=1&per\\_page=2](https://api.github.com/search/users?q=Rajesh&page=1&per_page=2))

Fetch user info (<https://api.github.com/users/hadiyarajesh>)

## 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 previous assignment)
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 feedback to previous assignment on Tuesday (or Wednesday) so you can learn and improve next week.



