



Dear Participant,

Welcome to the **Stage 2** of Mobile application development internship and congratulations on completion of task 1. Task-2 is based on basic understanding the use of Firebase database as well as the List View in Android. In Task-2 we will be mainly dealing with login using Firebase. Proceed to find more about the project. And always **remember,**

"Life is too short for ordinary apps"

TASK 2 :

Prerequisites:

Android studio / VS Code

Technology Stack to be used:

- Android Studio(Java/Koitrin) Firebase
- React Native
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Tasks:

1- Aim of the Task:- To make a daily To-Do List app.

2- Sections to be made:-

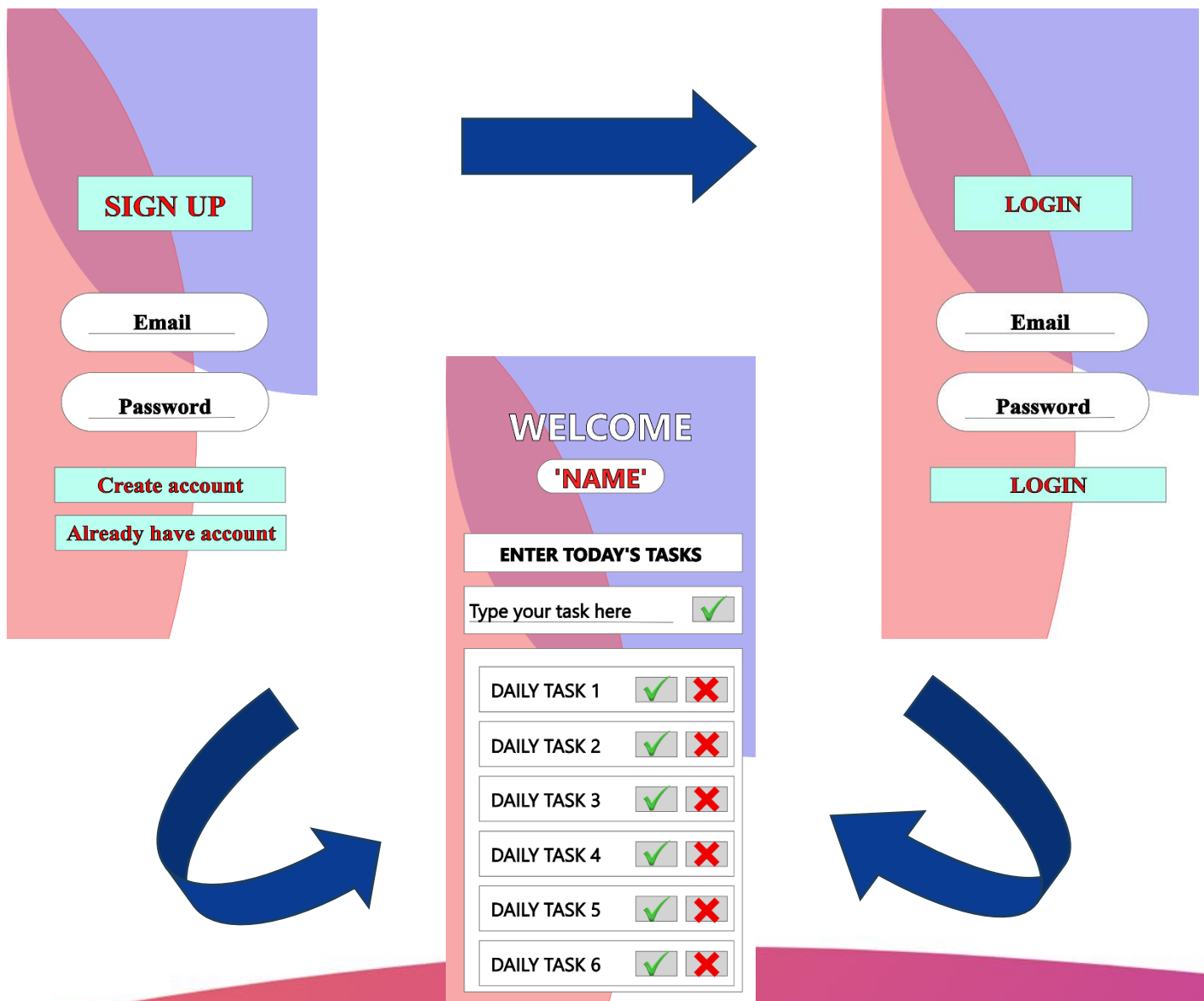
- Registration-Activity
- Login-Activity
- To-do List-Activity

(i) **Registration-Activity**: In this activity the user registers into the firebase database. You are recommended to take in only Email and password during registration. If you want to add more fields into the Activity you can do it..

(ii) **Login-Activity:** - Logins the user into the Firebase database or checks if the user is already registered into the database. Takes E-mail and password as input.

(iii) **To-do List Activity:-** This activity keeps a record of all the tasks you need to do in a day. You need to enter the task in the edit test and the task will be added to the firebase and will be displayed in the list view below. The list view should also contain two buttons, one to check out (if the task is completed) and the second to strike off (if the task needs to be deleted).

Make sure that the tasks should disappear from the list after 24 hours.





So, basically you will have to build an app that upon Startup asks the user to login, if not registered it allows the user to register upon tapping the Create Account button/text view. After successful Registration the App redirects back to login page and allows the user to login. After logging in the user can use the To-Do application with the use of which they can add the tasks they need to do for that day and save it to firebase. They will also be able to check out as well as strike off their tasks on wish. Those tasks must automatically disappear from the list after 24 hours.

ALLOW LOGGING IN USING E-MAIL AND PASSWORD AUTHENTICATION, GENERAL ONE NOT THE GOOGLE OR FACEBOOK ONE.

DO CREATE A SIMPLE MATERIALISTIC LAYOUT.

WIREFRAMES: -

REGISTRATION ACTIVITY -> LOGIN ACTIVITY(IF NOT REGISTERED)

LOGIN ACTIVITY -(IF REGISTERED)

TO-DO LIST ACTIVITY (AFTER SUCCESSFUL REGISTRATION/LOGIN)

RESOURCES: -

- TUTORIAL LINKS: - <https://www.udemy.com/course/learn-android-application-development-y/>
- FIREBASE LOGIN TUTORIAL: - <https://www.youtube.com/watch?v=V0ZrnL-i77Q>
- React Native Tutorial- <https://www.youtube.com/watch?v=WYajlfew8VU&list=PLB97yPrFwo5gxB5SuNWzH73t2Su65KN2f&index=31>



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Lastly, make sure to put your creativity on the **development** highway

Warm regards,

SPECTRUM, CET-B

