



# INAE-SERB HACKATHON

Presented by Team 5

# Today's Outline

## Topic Highlights

Selected Problem statement  
Meet the team  
our approach to the problem  
solution we came up with  
Briefing our project  
Bibliography  
thanks note



DAITA SUR  
TEAM LEADER



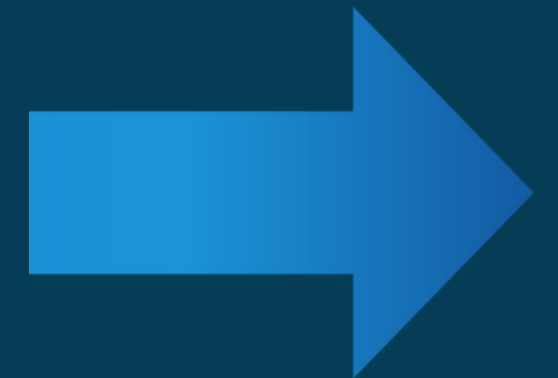
RIDDHI PRATIM SHEE  
MEMBER



SWARNA JHA  
MEMBER

# Meet the Team

Problem 1 - Application to manage  
access control to a defined set of  
applications based  
on user profile



Problem  
Statement

- Build an admin application to manage a set of users with a corresponding profile allowing access to certain applications
- Sample applications to be considered - a browser, email client, instant messenger and word processor
- Populate a set of users with access to specific set of application - about 5 users
- The access control could be enforced locally or from a remote server running the admin application
- Build a front end application that allows access to the system and authenticates the user and also enforces the access control policies
- Launch authorized application if user attempts to start it or throw pop up with unauthorized access error

# Our Approach

We have divided the user into two parts:

- 1) Admin
- 2) Users

Our App system is for the users .

And the backend will act as the Admin panel.

Both the ends will be connected to each other.



# Admin Access Control

The admin will be allotting permission to the user for access any particular application in that system.

Secondly, If a new add is launched, by default it will be only accessed by the admin , and if it is present in the user side ,then user can also send edit request to the admin panel.

Admin will provide the Permissions manually , no automation is there.

We can further add a feature of access permission in accordance to the time of requirement of the user and need.

# User accessibility

The System can be used by multiple users at a time.

The user can ask for the permission from the admin by choosing the applications and one can request to more than one application at once.

They will get notify whether there request is fulfilled or not.  
And the user with denial permission can request for permission again.

Additionally, We thought of building an Chat Interface between the user and the admin ,so they might get to know the reason of deniel ,if felted so.This will bring trust between the user and admin, hence promoting our website.



# Features we are providing in the App (For now)

## LOGIN/SIGNUP

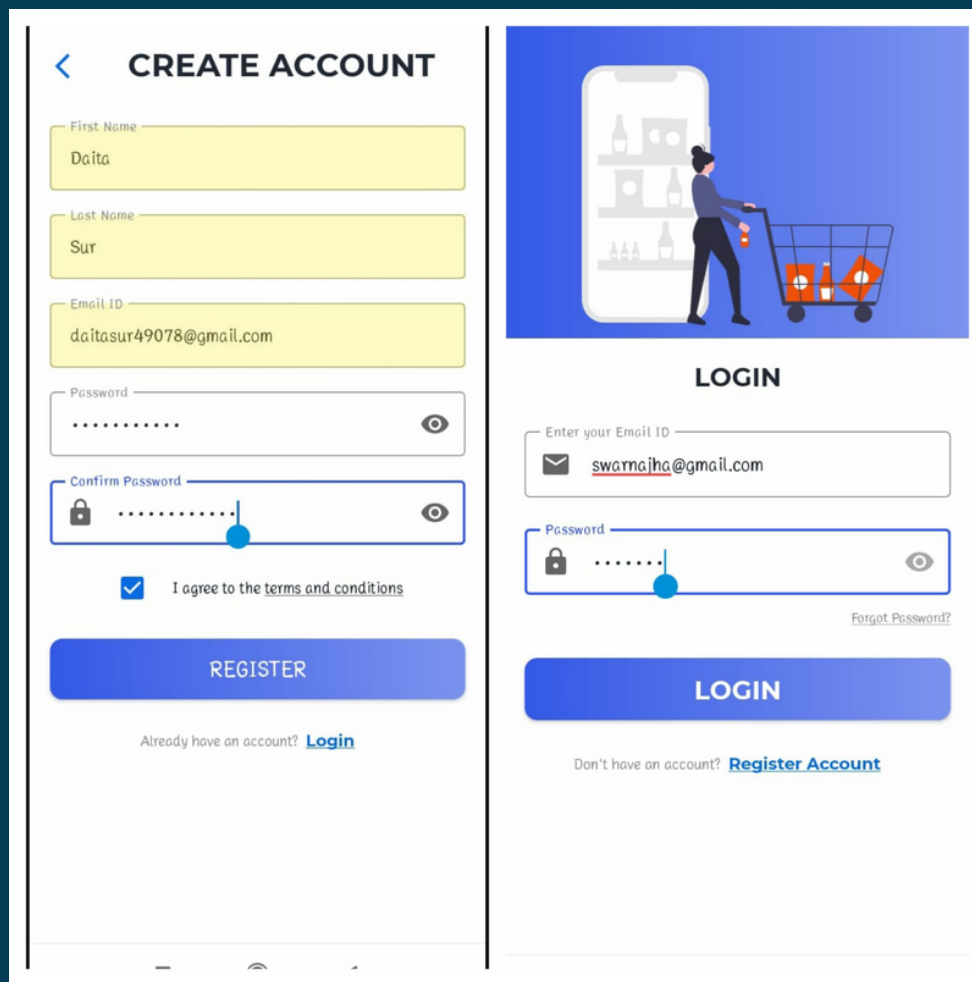
Login/signup pages are created for multiple users with high password checkup security.

## ACCESS CONTROL

No one other than the admin can access a particular application without the permission of admin.

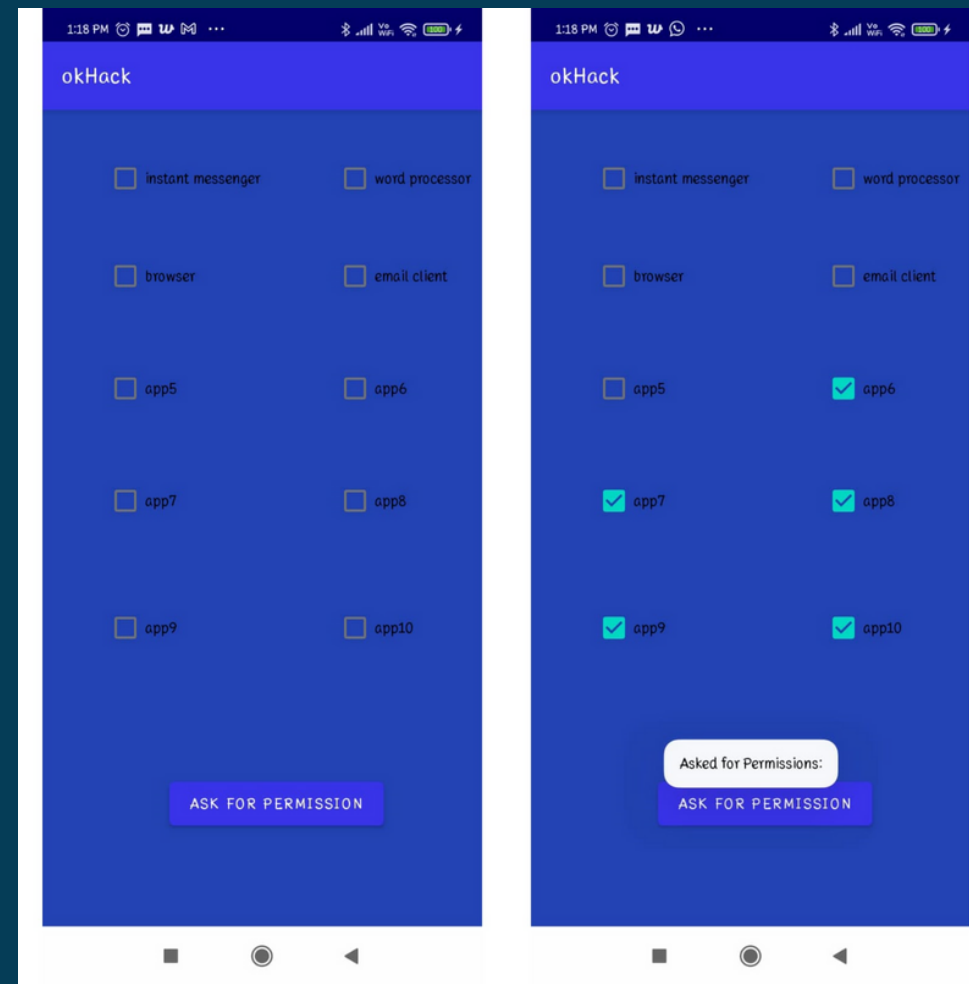
## MULTI FILE SELECTION

At once multiple file can be selected and request can be made for accessing those file, hence will be time saving.



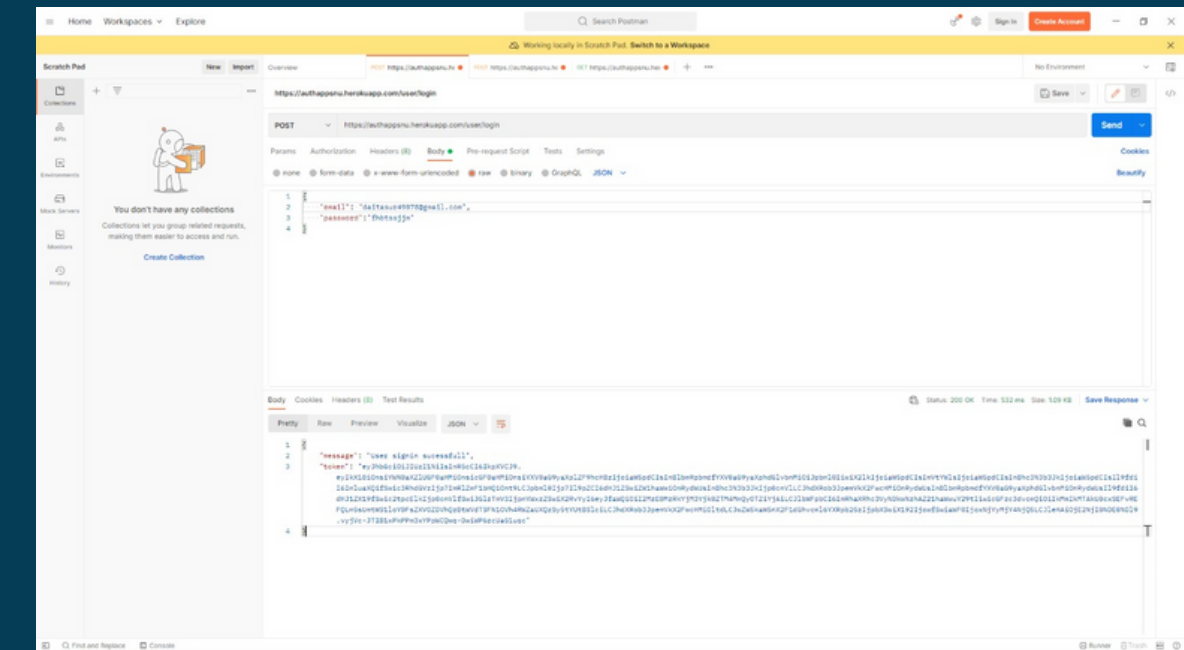
## PHASE 1

Login/Signup page has been created in Android Studio code using kotlin language. nd it is connected with the firebase and datas are storing correctly.



## PHASE 2

The User Interface of econod Page is created using kotlin in Android Studio Code. It consist of five application and checkup box for multiple selection of apps.



## PHASE 3

Backend of admin control system is created using node.js and tensorflow. By default all the application is only accessible by the admin.

**OUR WORKING TILL NOW**

# Bibliography

A special mention to the free libraries available on the internet and IDEs.



Android Studio Code  
(libraries like  
generated(java) and  
inbuild libraries.)



Postman



Tensorflow



Open source Nodejs



Visual Studio code



*Thank you*

Thank you for your time!!!