

Mobile Application Development
SCS3212

Y.A.U.I.Sensly
2017cs162
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Google Drive Link

[Link](#)

Github Repository

<https://github.com/udulaindunil/MyNotices>

APK file

[Download](#)

README.md

[Link](#)

Project Title

Mobile app to display Official notices/messages from your workplace

- ❖ System actors
 - Admin
 - Staff member
- ❖ Can have many admins and many staff members.
- ❖ Both admins and staff members can
 - Register
 - login
 - Change Password
 - Change profile image
 - In the **todo** section, can
 - Set an activity
 - Mark activities completed and not completed
 - Delete activities
 - Review notices and notice images
 - Add comment on notices and review them
- ❖ Admin specific functionalities
 - Publish notices
 - Update notices
 - Delete notices
- ❖ Features included
 - Can publish a notice with an image (camera and local libraries)
 - Push notifications when publishing notices

Mobile Application Development

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Technologies

React native

```
react": "16.11.0"  
react-native": "0.62.2"
```

- ★ The application developed using react native hooks
 - useState
 - useEffect
 - useContext
 - useReducer

Firebase

```
react-native-firebase/app": "^8.2.0"
```

In firebase

- Authentication
- Realtime database
- Firestore
- Storage
- Cloud Messaging

Features used

- system requirements

> at least you should nee android version 4.1 or
any higher version

> need interconnection

=====

```
buildToolsVersion = "28.0.3"  
minSdkVersion = 16  
compileSdkVersion = 28  
targetSdkVersion = 28
```

=====

Assumptions

- This application is for only a one organization
- This is not a plate form to register organizations and configure the application

Try My application

APK file download link

[Google Drive Link](#)

Admin

Email: udulaindunil@gmail.com

Password : 123456

Email: nimal@gmail.com

password 123456

Staff

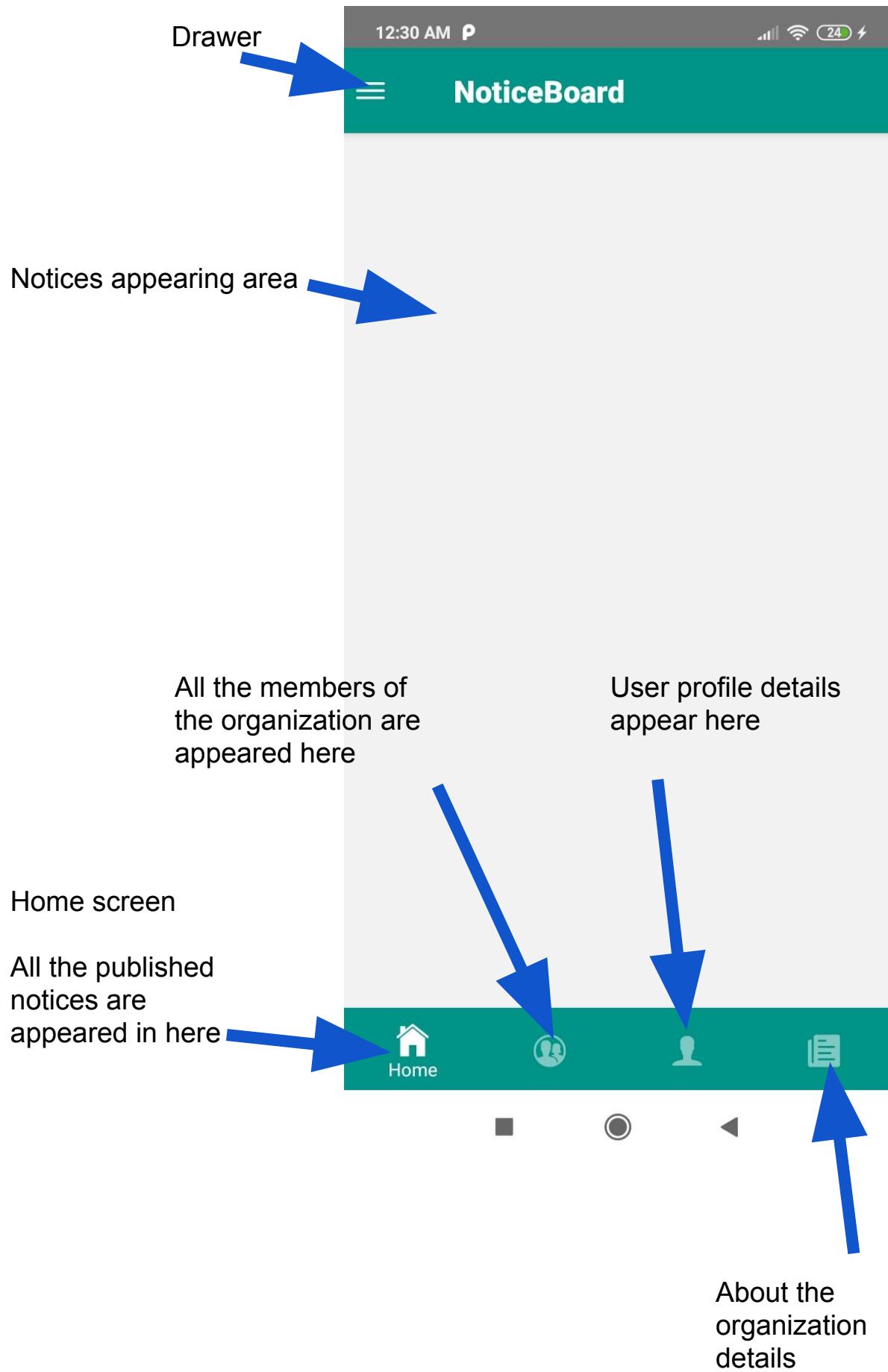
Email: shenal@gmail.com

Password : 123456

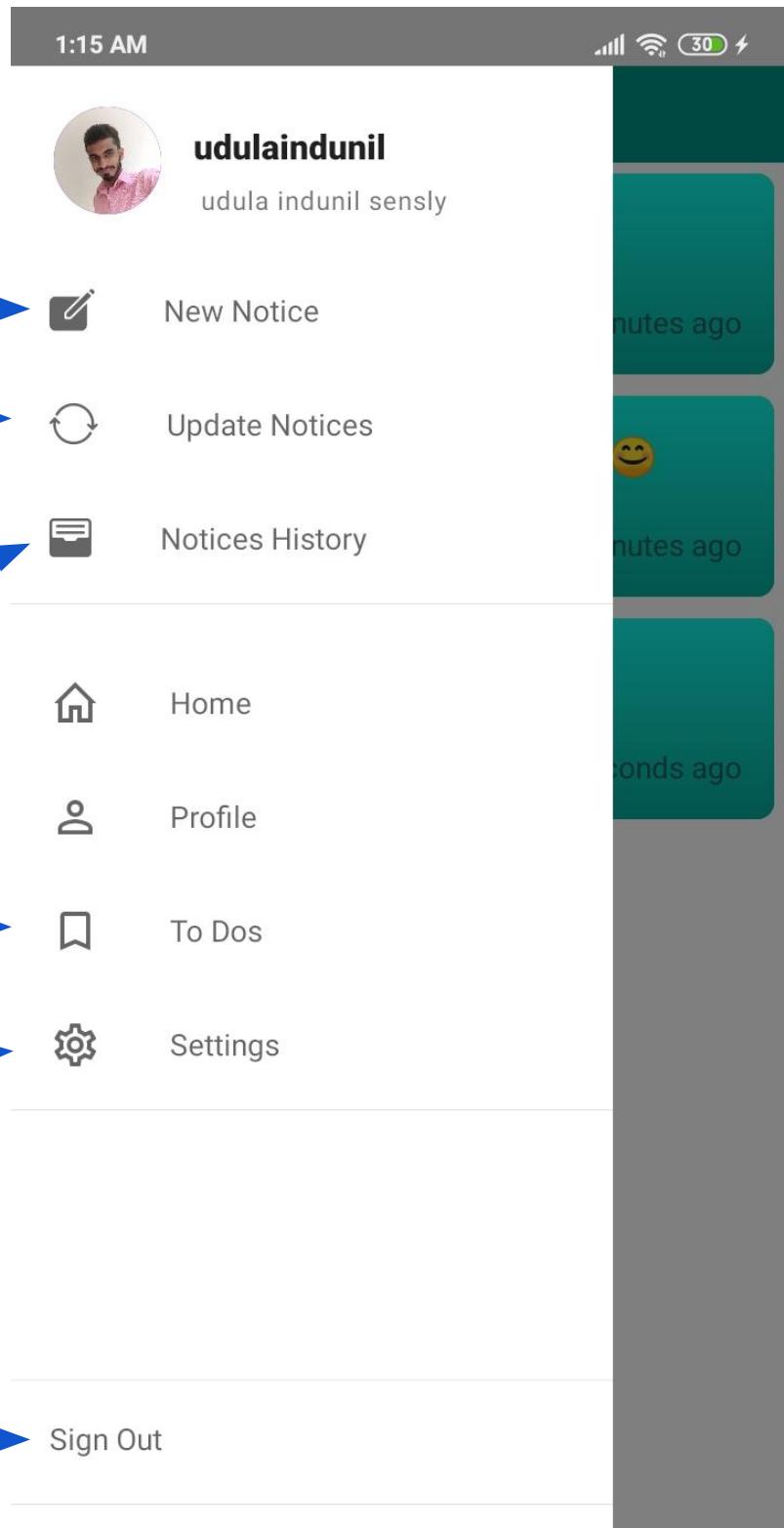
Email: sasindu@gmail.com

Password : 123456

Functionalities Approaches



Admin Drawer



Admin add new notices



New Notice

Admin can update notices
which are published by
he/she



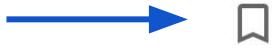
Update Notices

Here removed notices
appear here which are
published by he or she



Notices History

ToDo feature



To Dos

Update
password



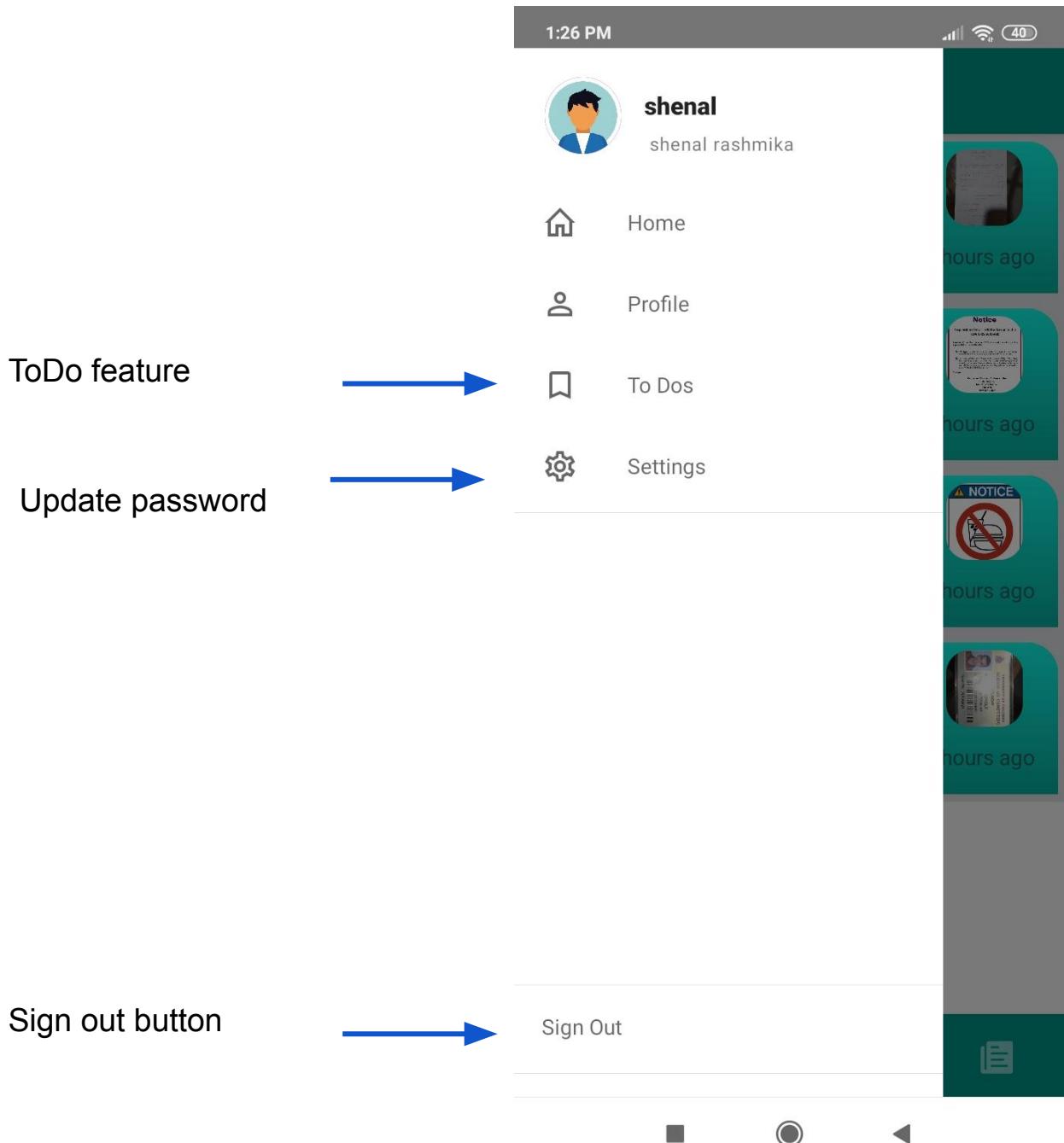
Settings

Sign out button

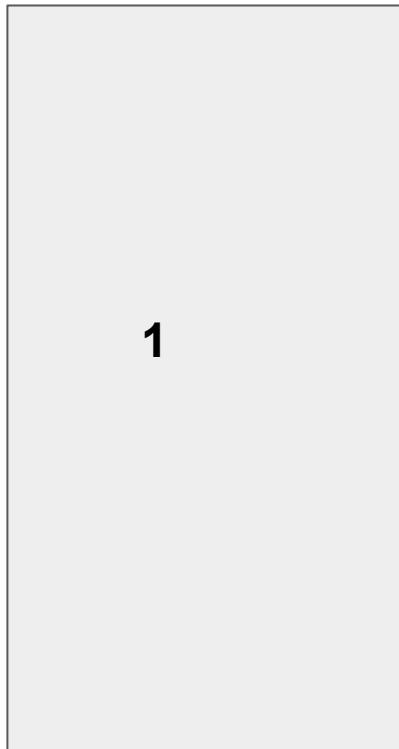


Sign Out

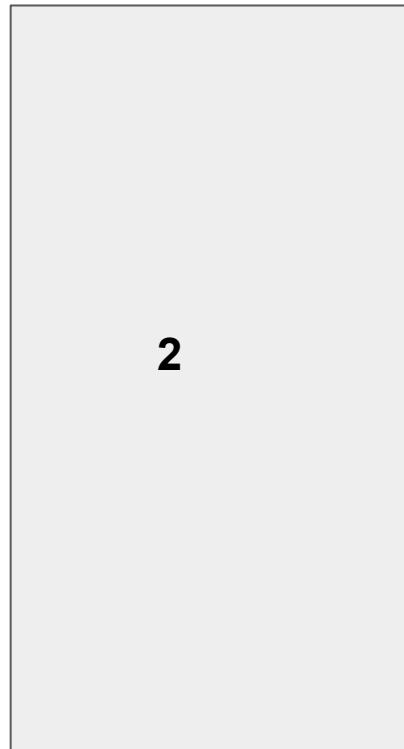
Staff member Drawer



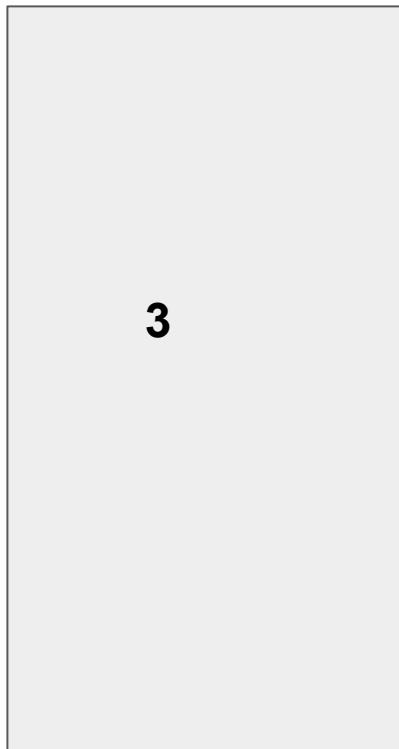
**Please refer the interface according to the following arrangement
Interfaces are given after this page**



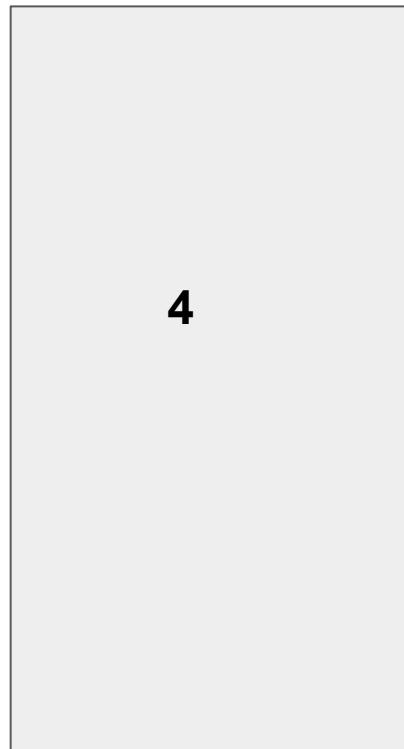
The description about 1



The description about 2

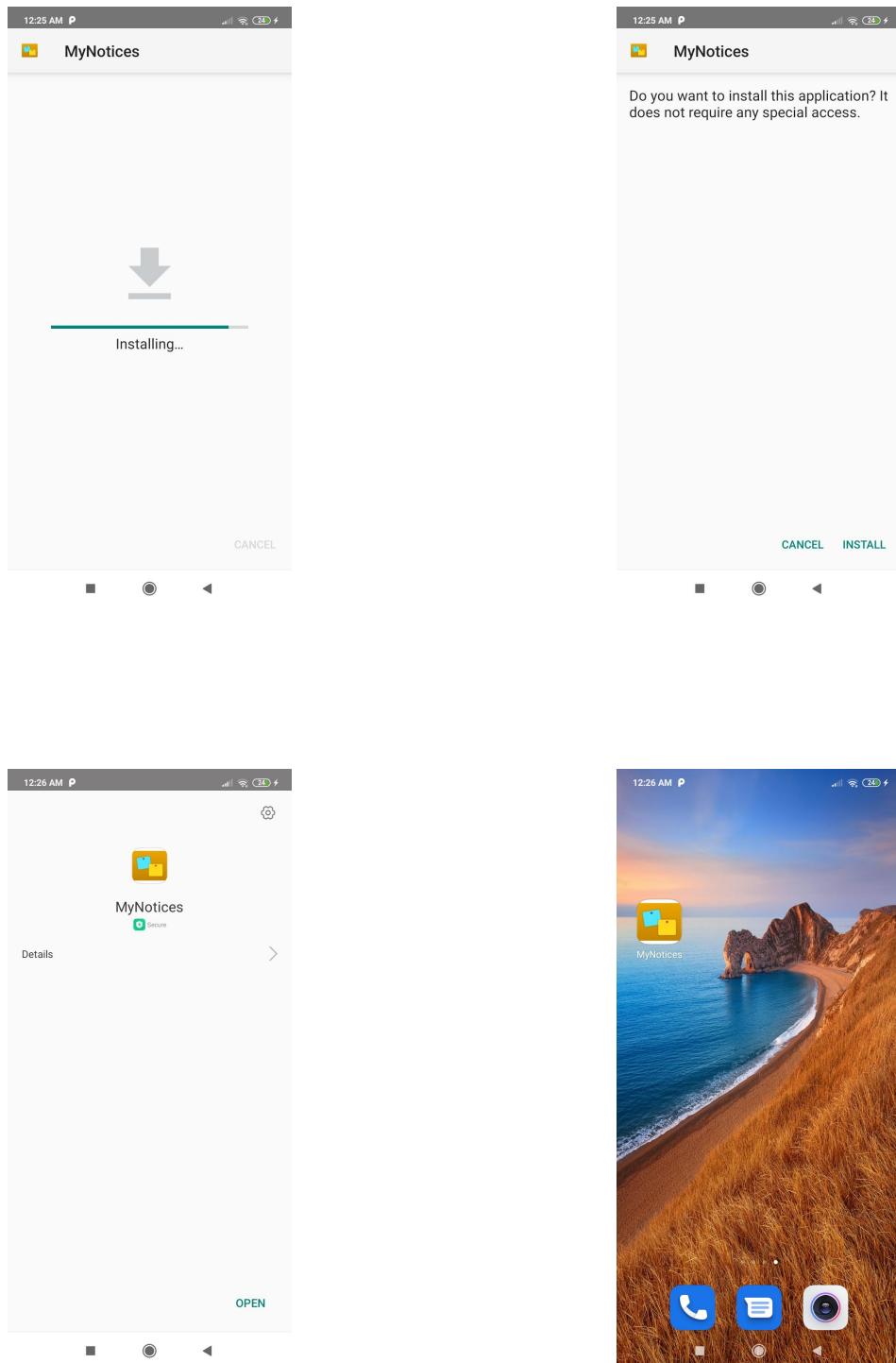


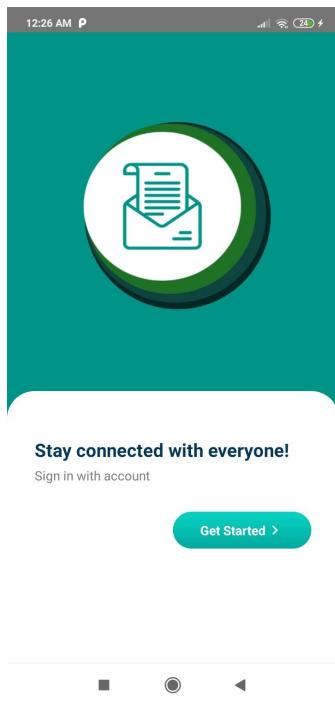
The description about 3



The description about 4

App installations





Welcome page

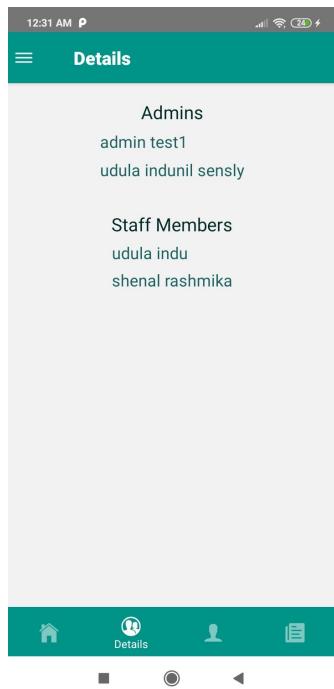
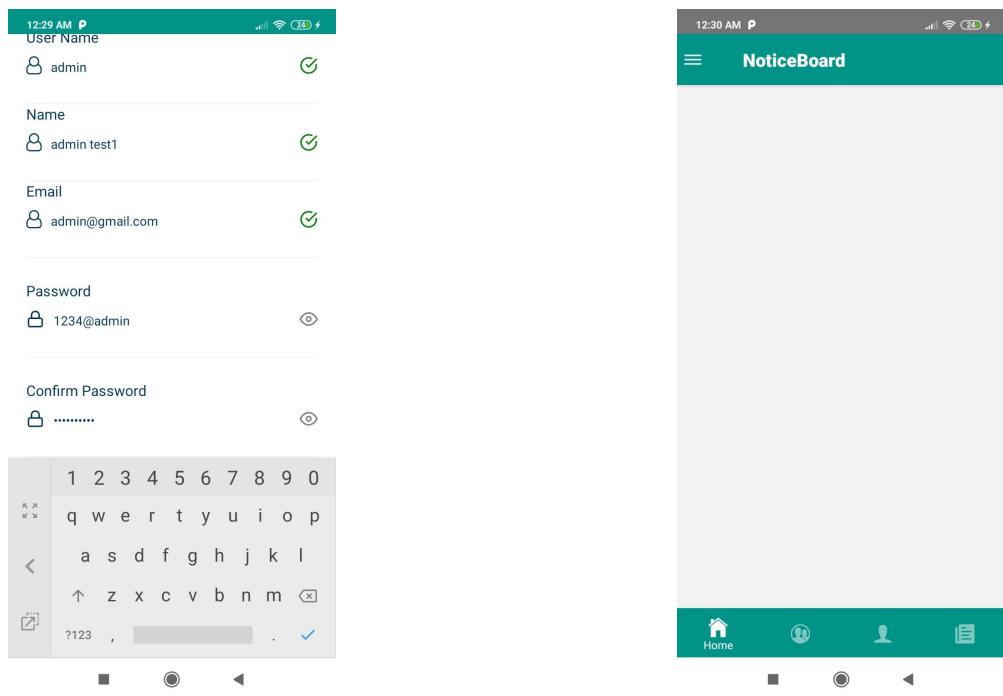
The registration interface is titled "Register". It includes fields for "User Name" (example: JohnD), "Name" (example: John doily), "Email" (example: Your Email), "Password" (example: Your Password), "Confirm Password" (example: Your Password), and "Your Role" (example: Select your role). The interface uses a ScrollView.

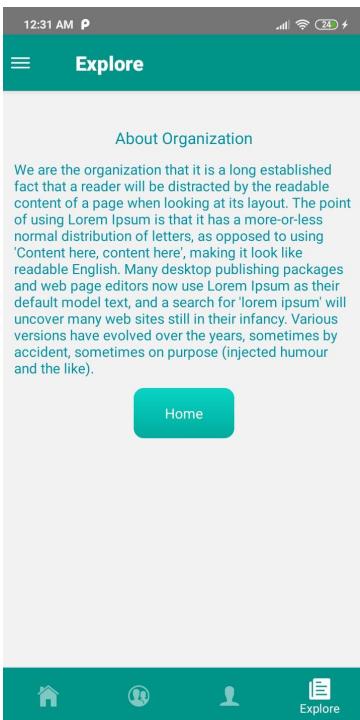
Registration interface (1)
(ScrollView)

This registration interface is similar to the first one but includes a "Sign Up" button at the bottom of the form area. The fields for Name, Email, Password, Confirm Password, and Your Role are present, along with their respective examples and a dropdown menu for selecting a role.

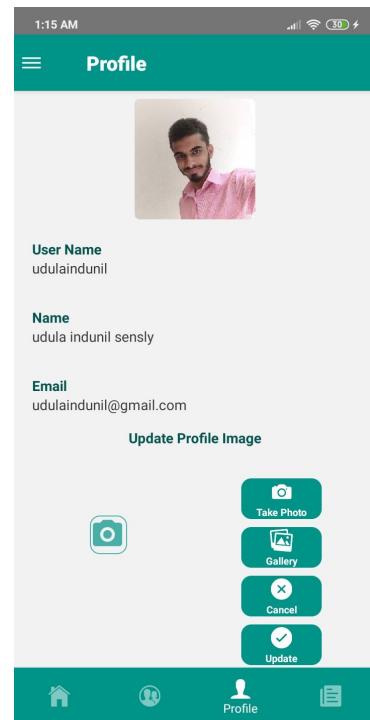
Registration interface (2)
(ScrollView)

Form validation are in
later part of the report

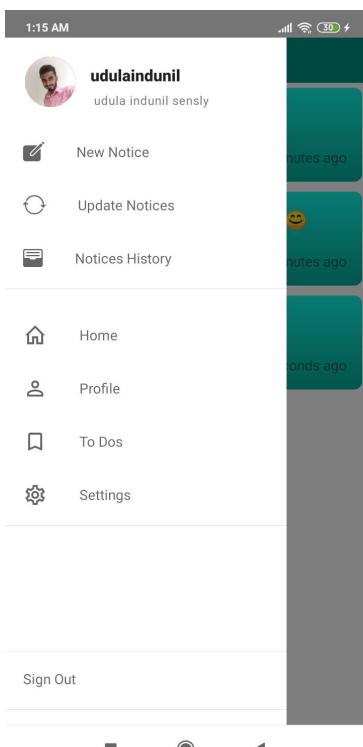




About organization

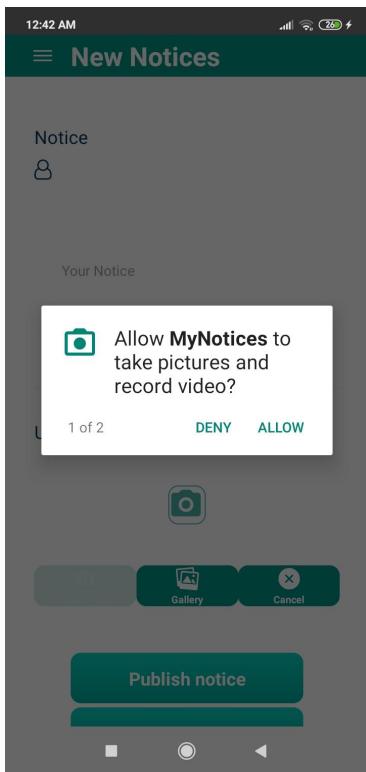


Profile screen

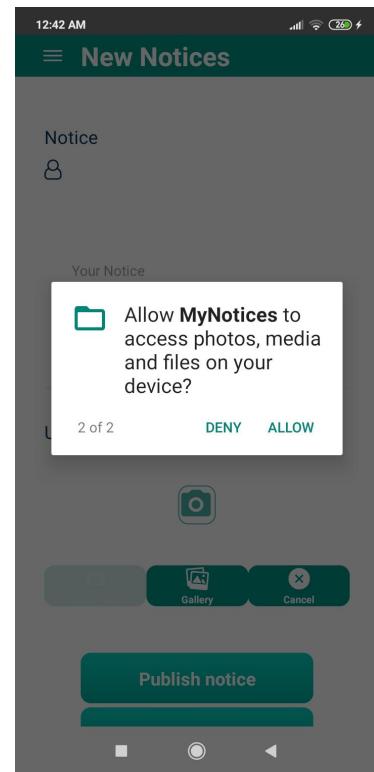


Drawer (Admin)

Admin Functionalities



Application request user permission to access camera



Application request user permissions to access device files



Access camera



Can crop the captured image

Admin Functionalities

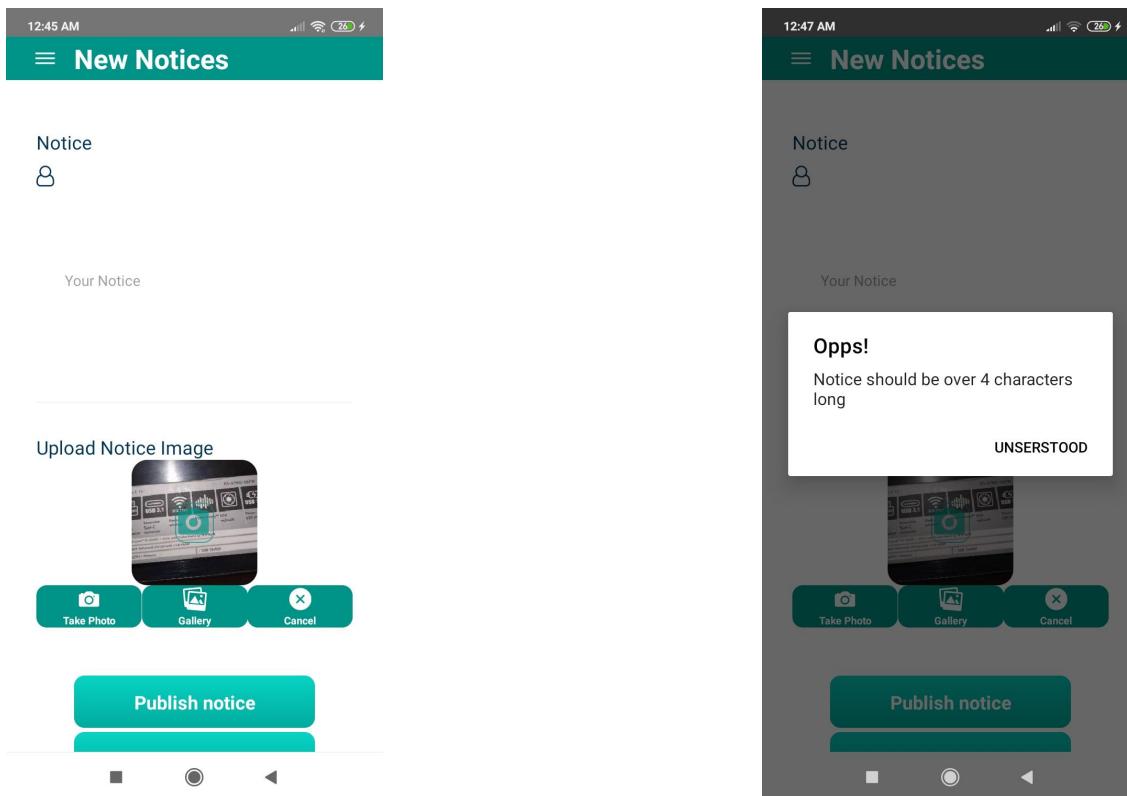
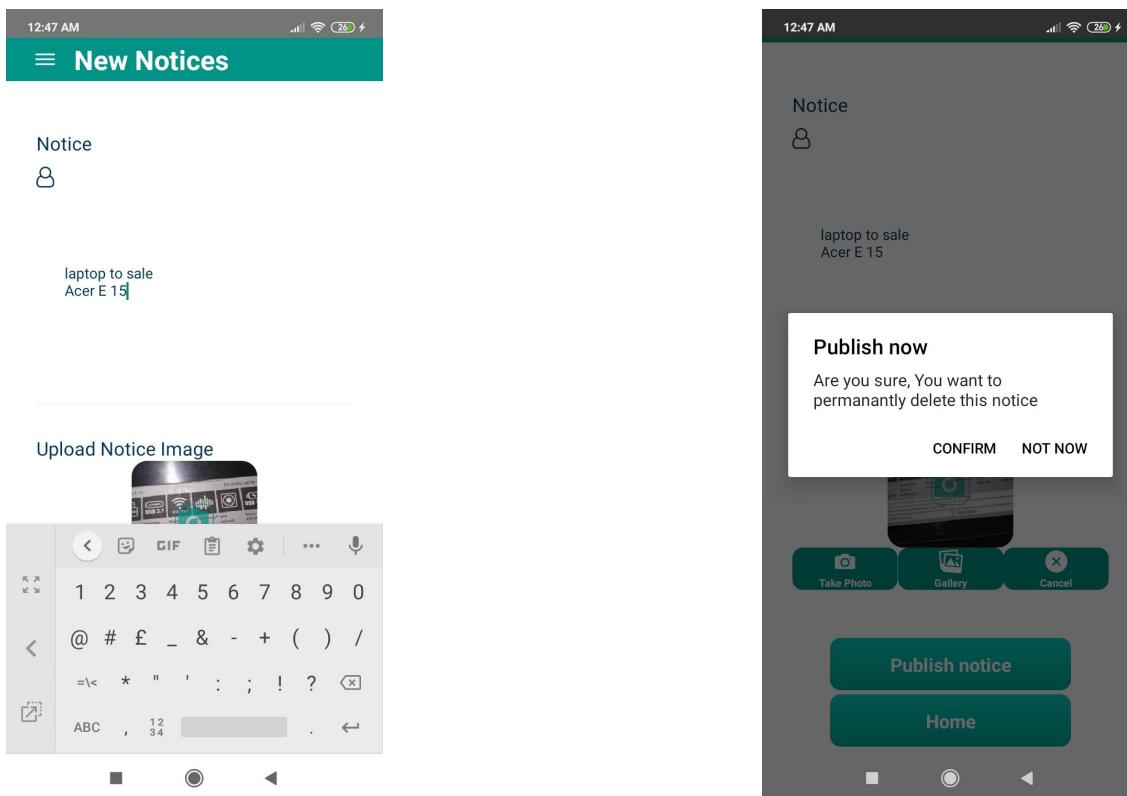


Image added to the notice

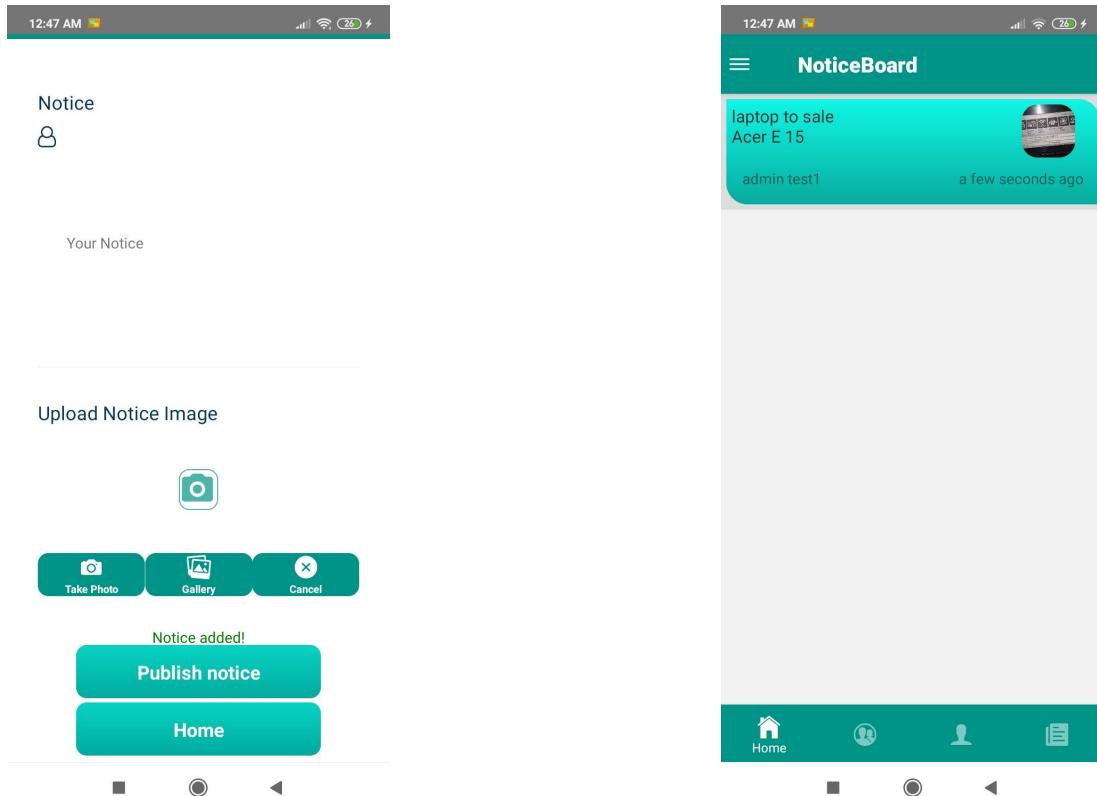
When submit empty notice field



Publish notice

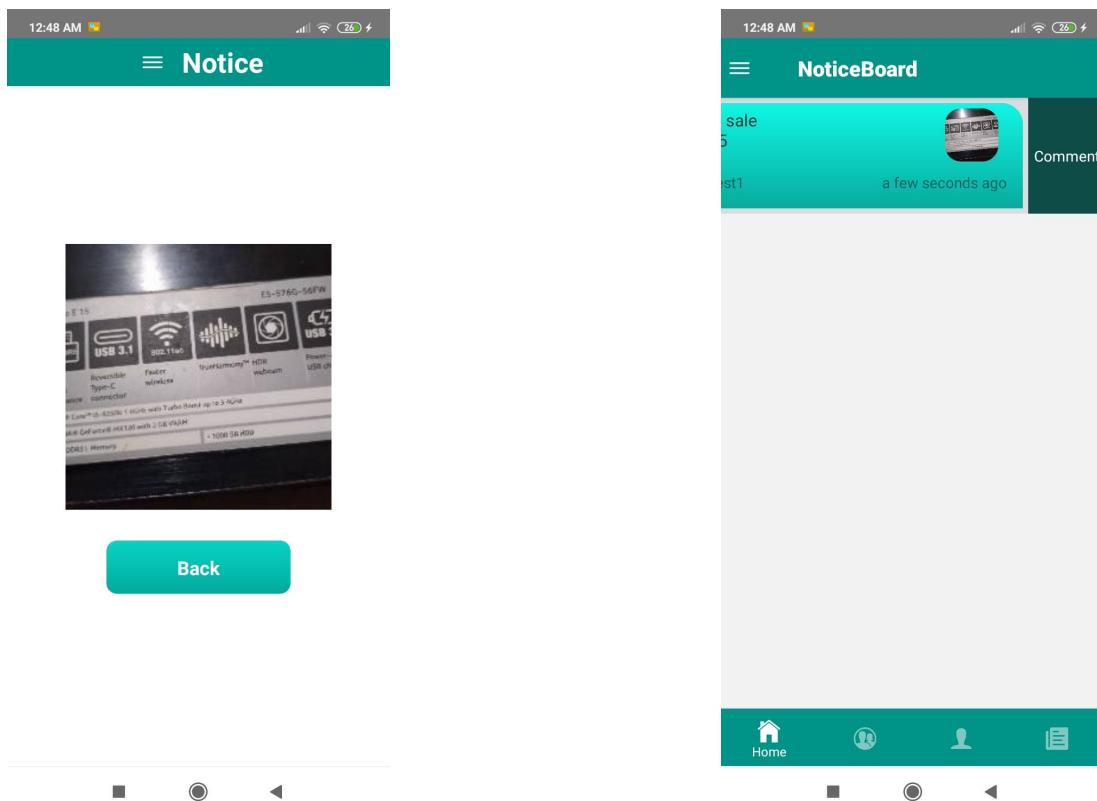
Pressed publish button

Admin functionalities



Notice published

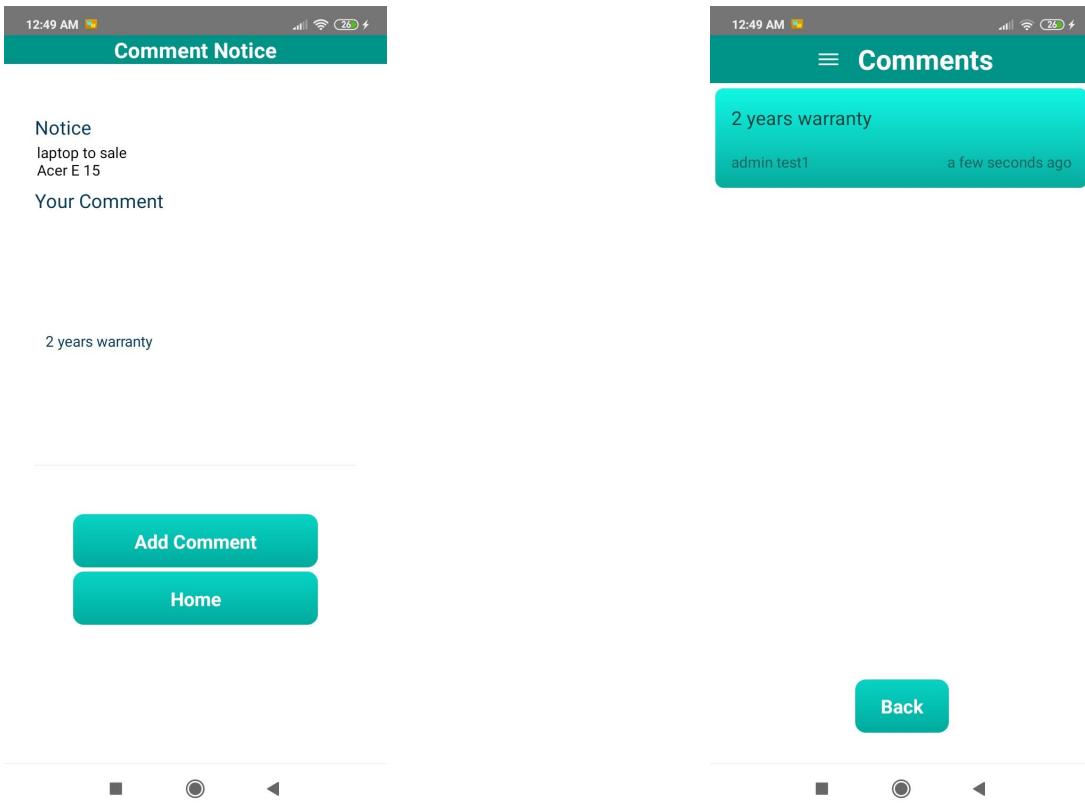
Published notice appeared on home screen. Can view image by pressing the image



View notice image

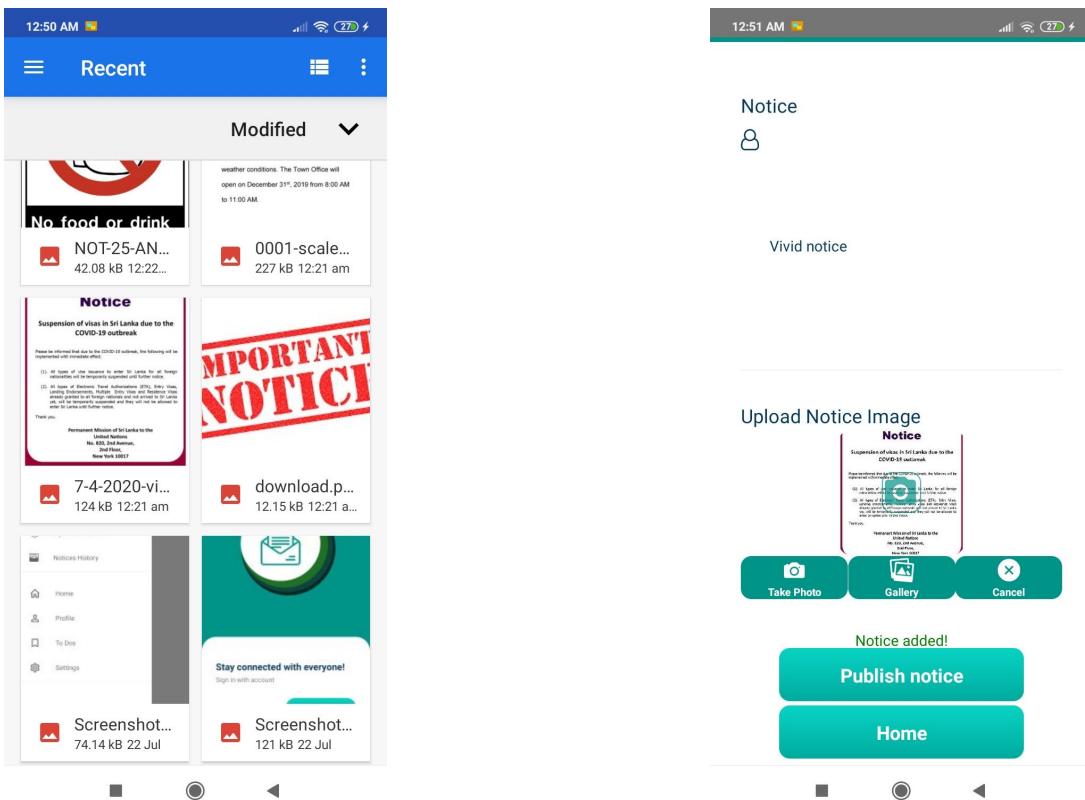
Admin can comment by wipe from right to the left

Admin functionalities



Adding comment to the notice

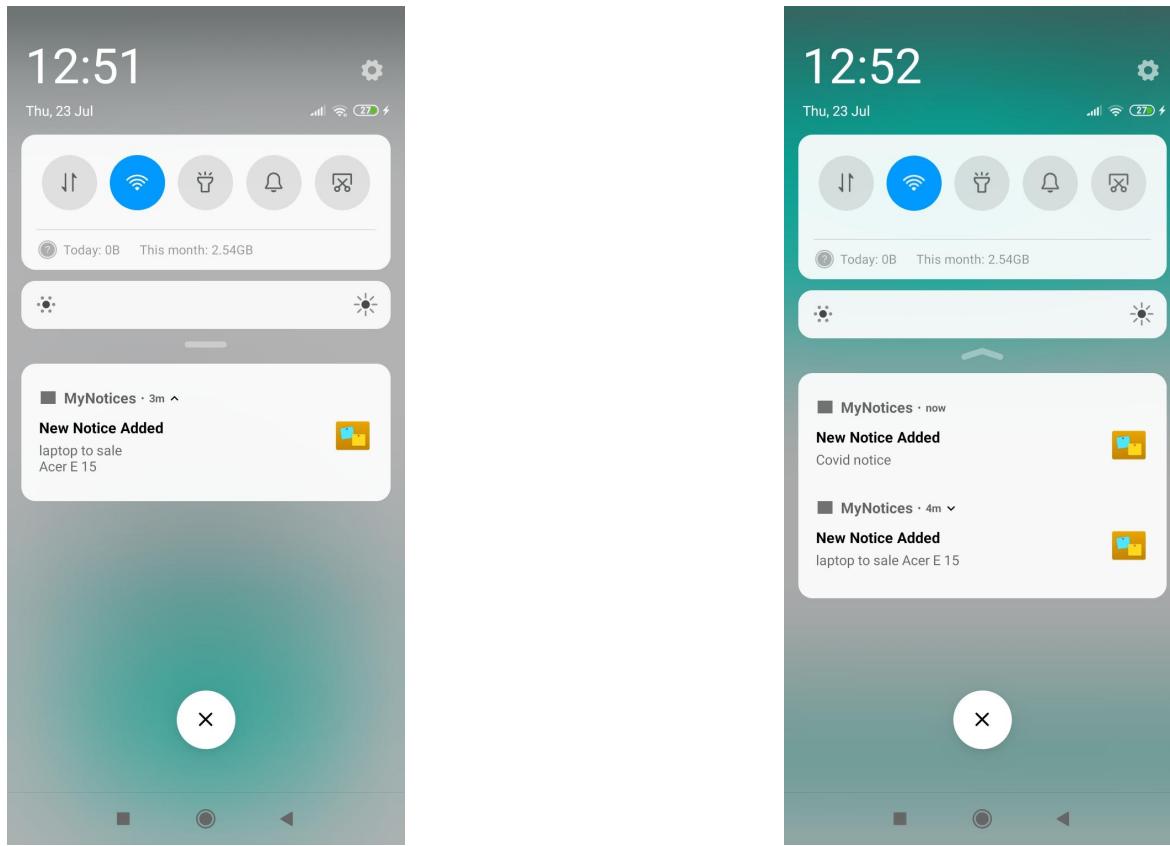
Can review the comments of each notice by press on the notice



Application access the device files

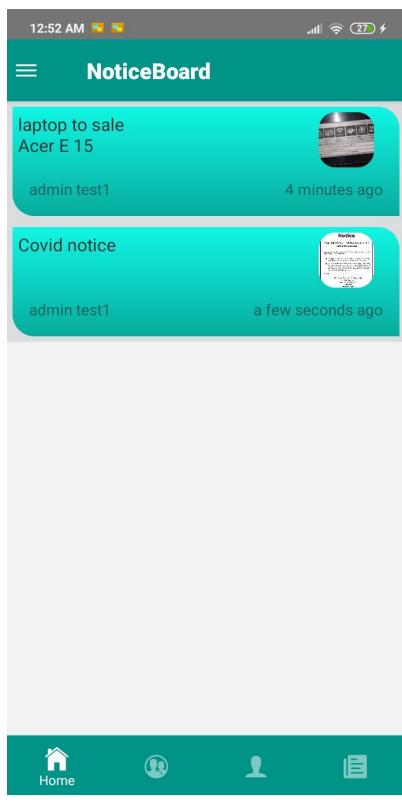
Get files for the notice

Admin functionalities

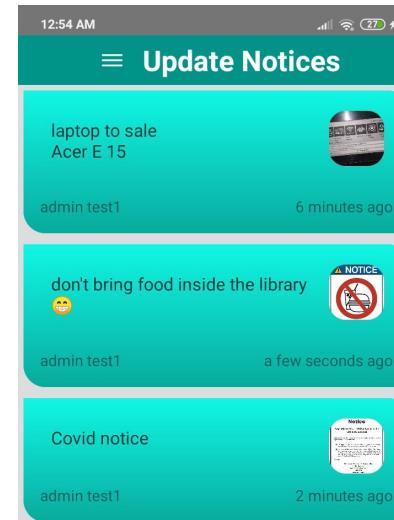


Pop notifications after publish notice by the admin

Pop notifications after publish notice by the admin

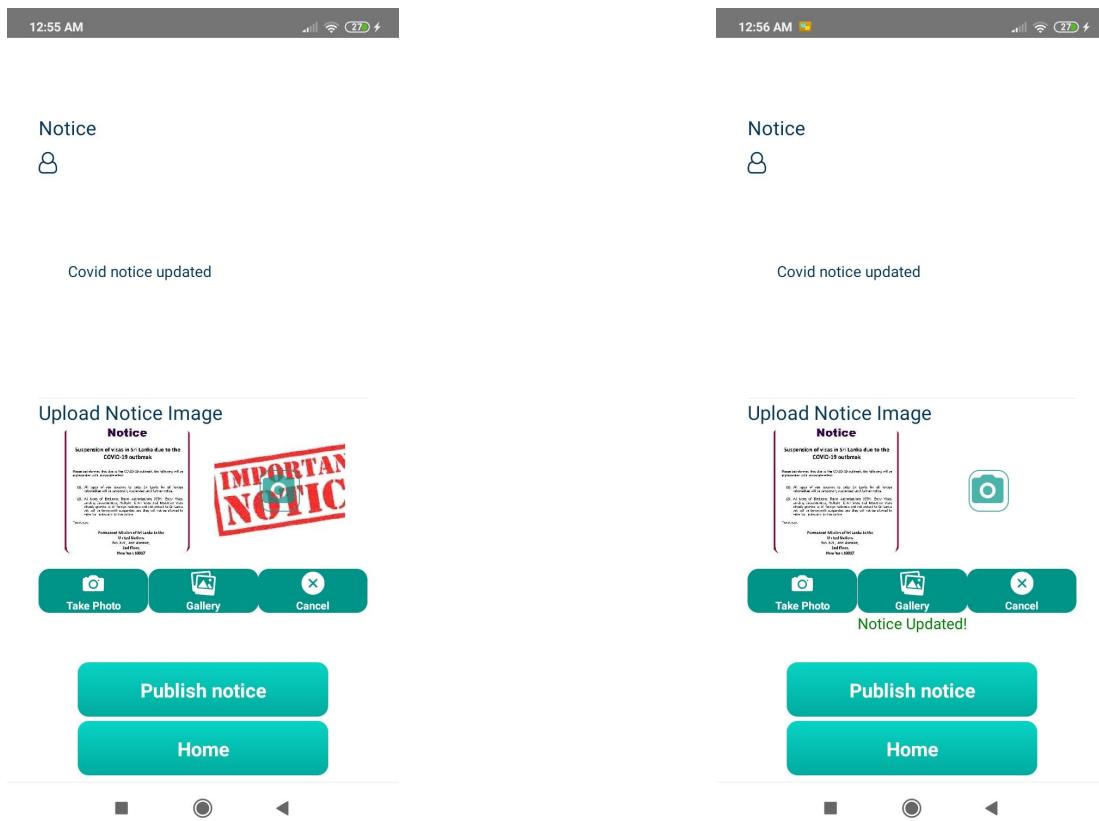


Notices on home screen



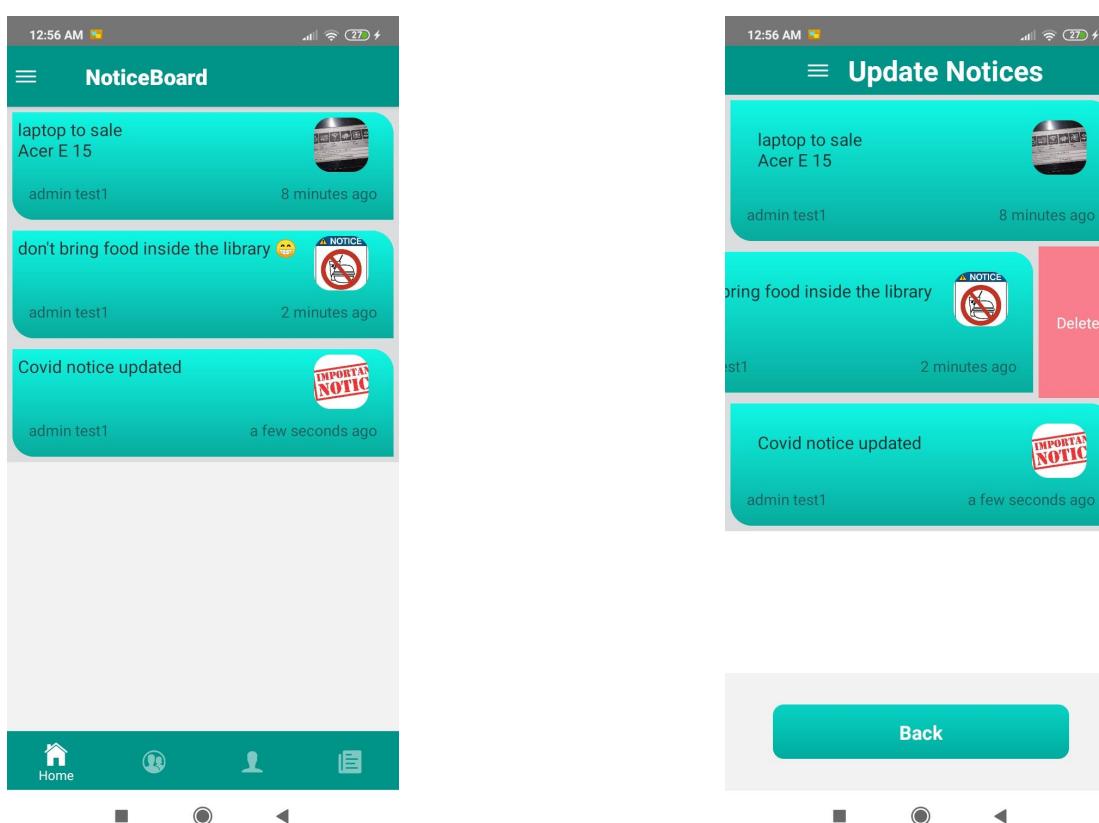
Admin can review notices which admin posted and admin can update that notices

Admin functionalities



Admin can update notice

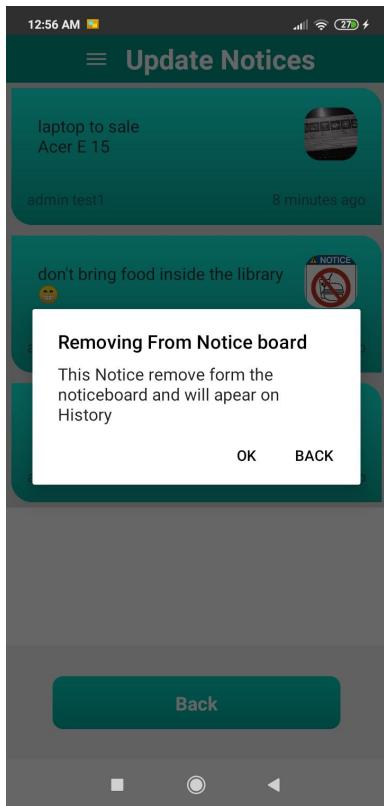
Admin updated the notice



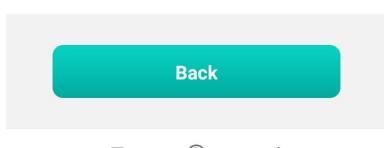
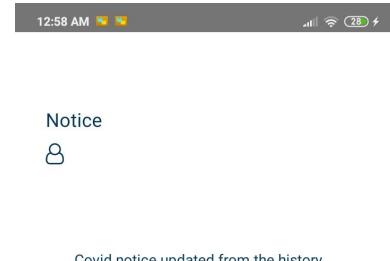
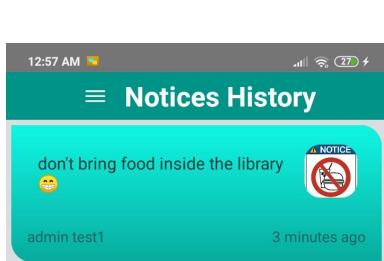
Updated notice appeared

Admin can remove notices from the home screen which admin posted

Admin functionalities



Confirmation message for removing notice. Those message will appear on history screen



History screen, By touching the notice admin can again publish the removed notice to the notice board

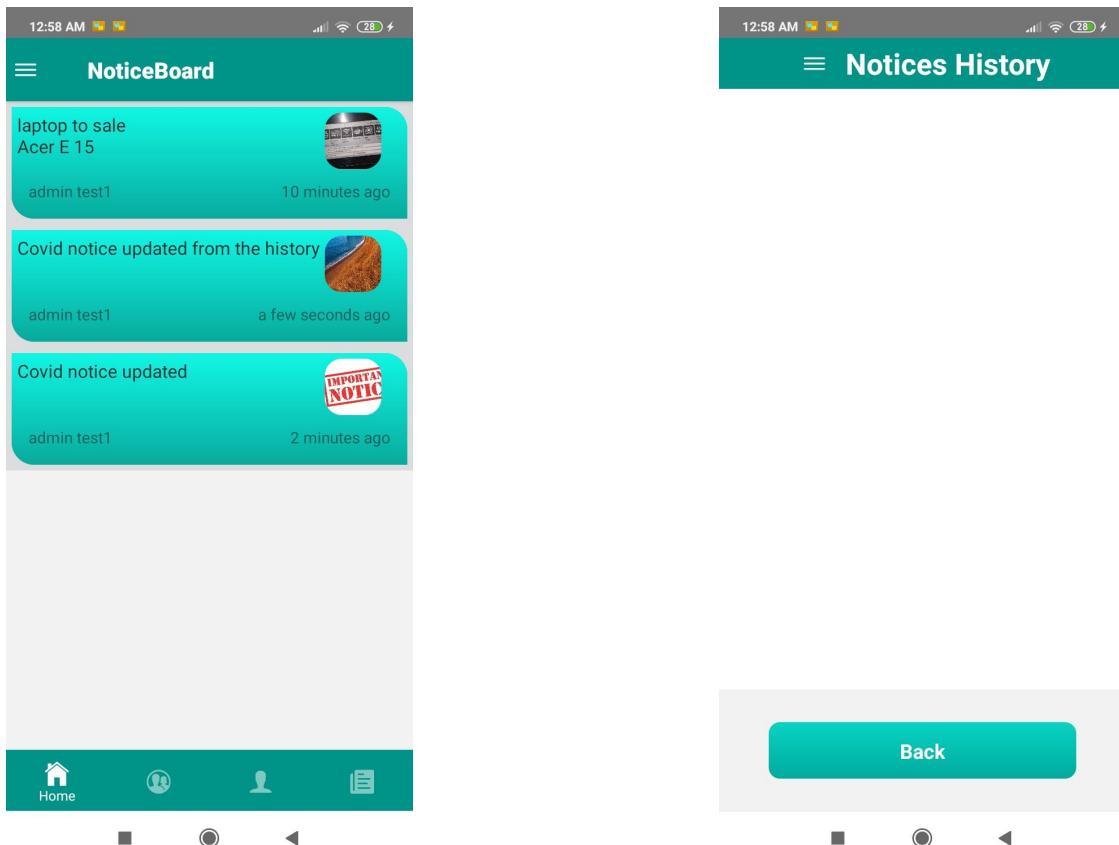


Publish notice

Home

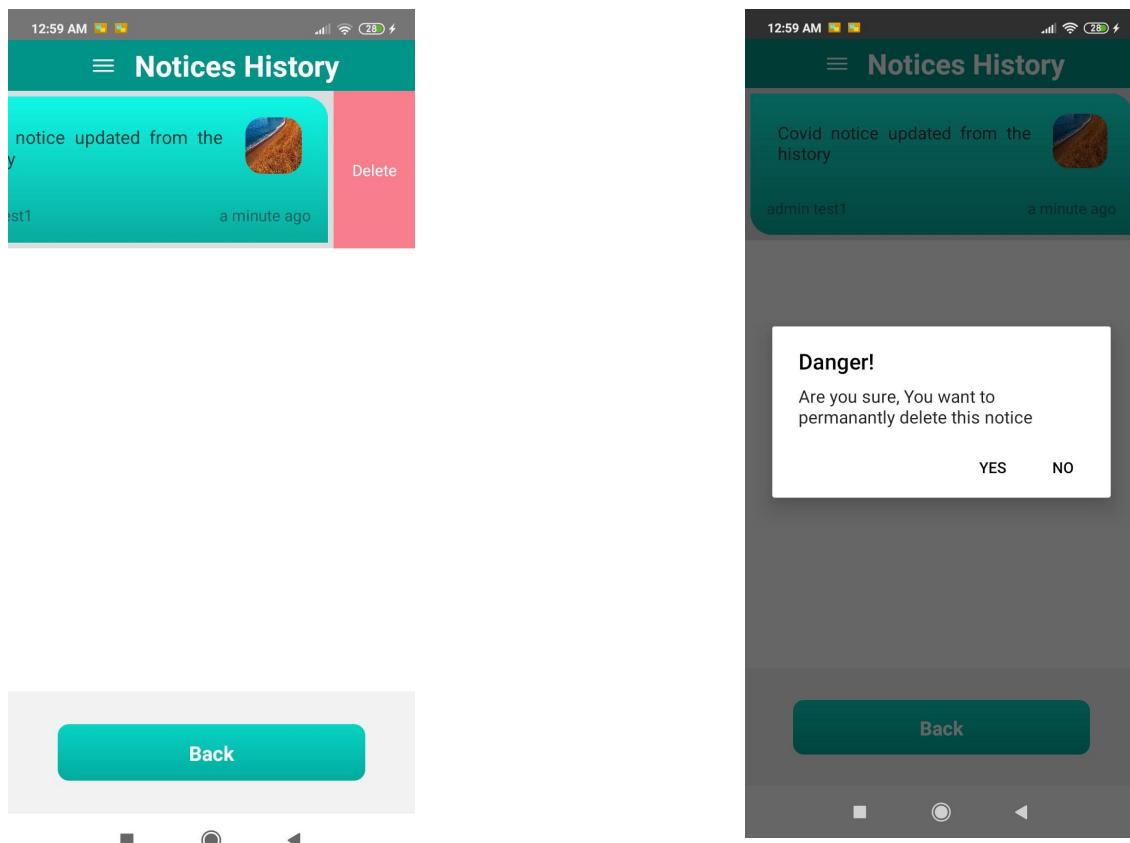
This notice will appear on notice board again

Admin functionalities



Updated notice appeared here

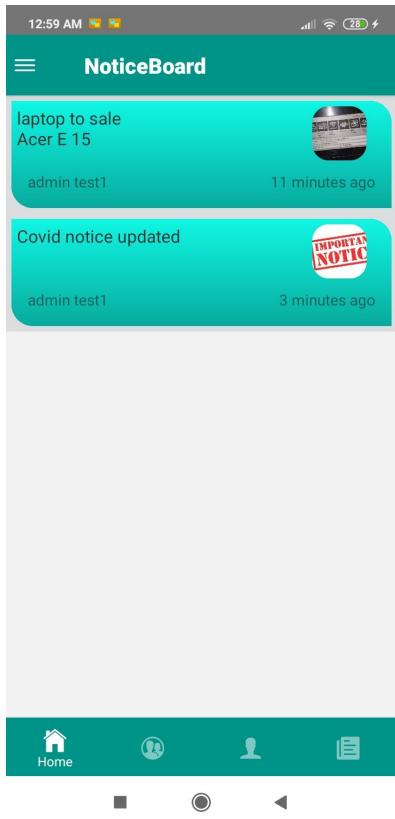
Now there are no notices on the history



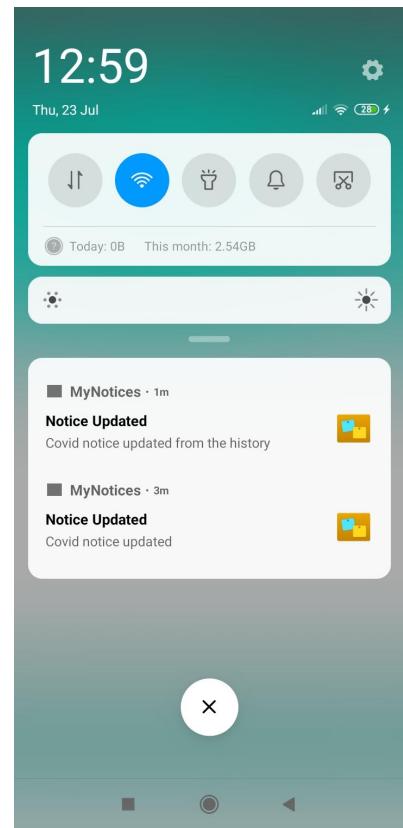
When wipe the history notice right to left, then admin can delete notice permanently

Warning message when deleting notice

Admin functionalities

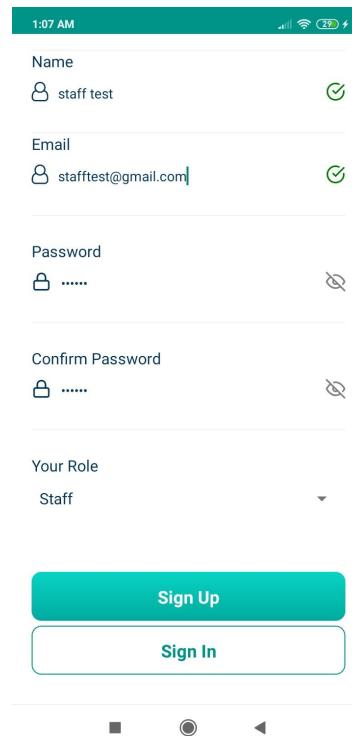
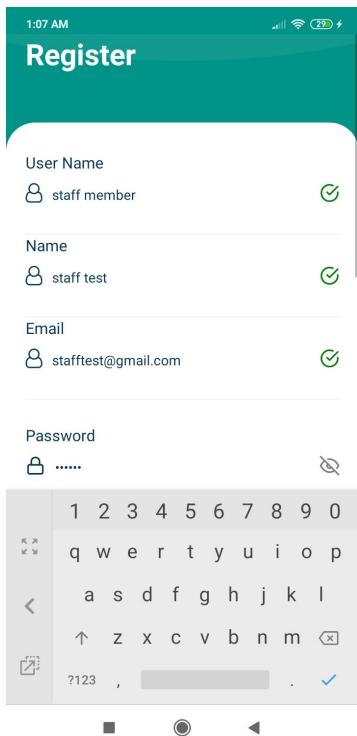


Updated notices

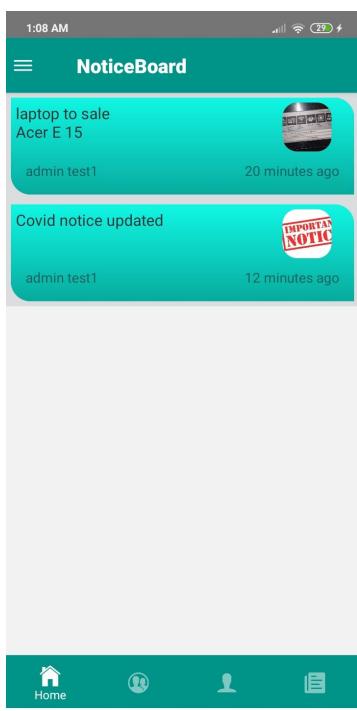


Notifications

Staff member



Staff member registration

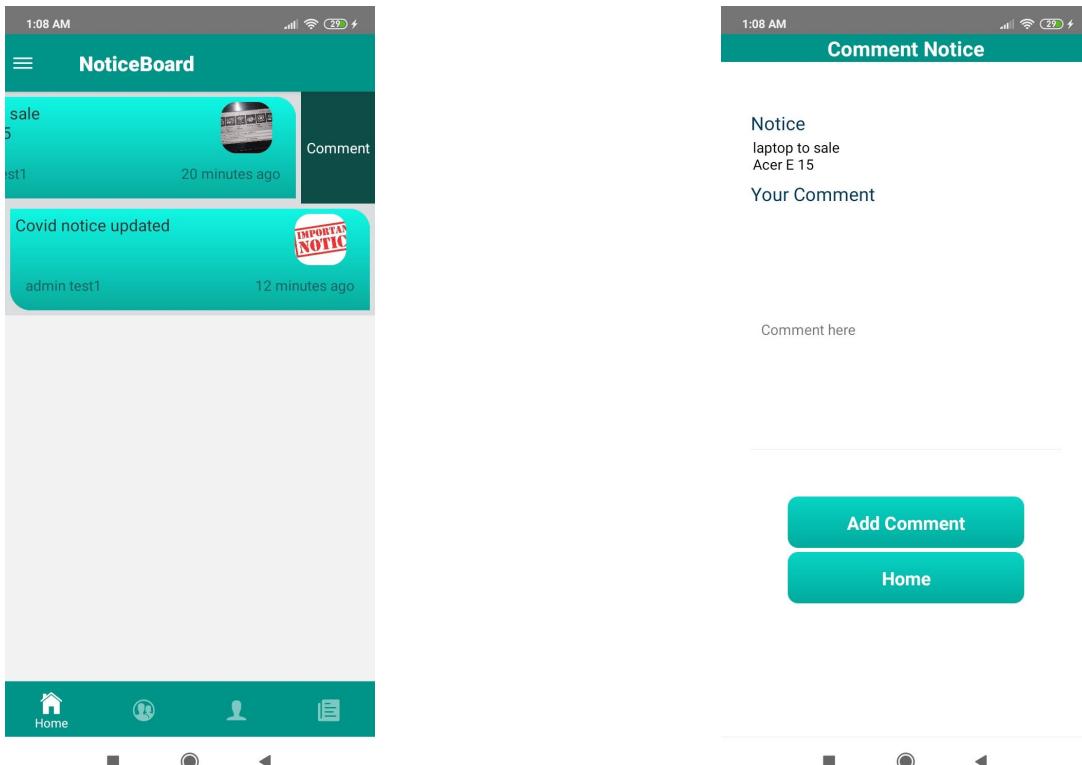


Staff member can see published notices

Staff member registration (2)

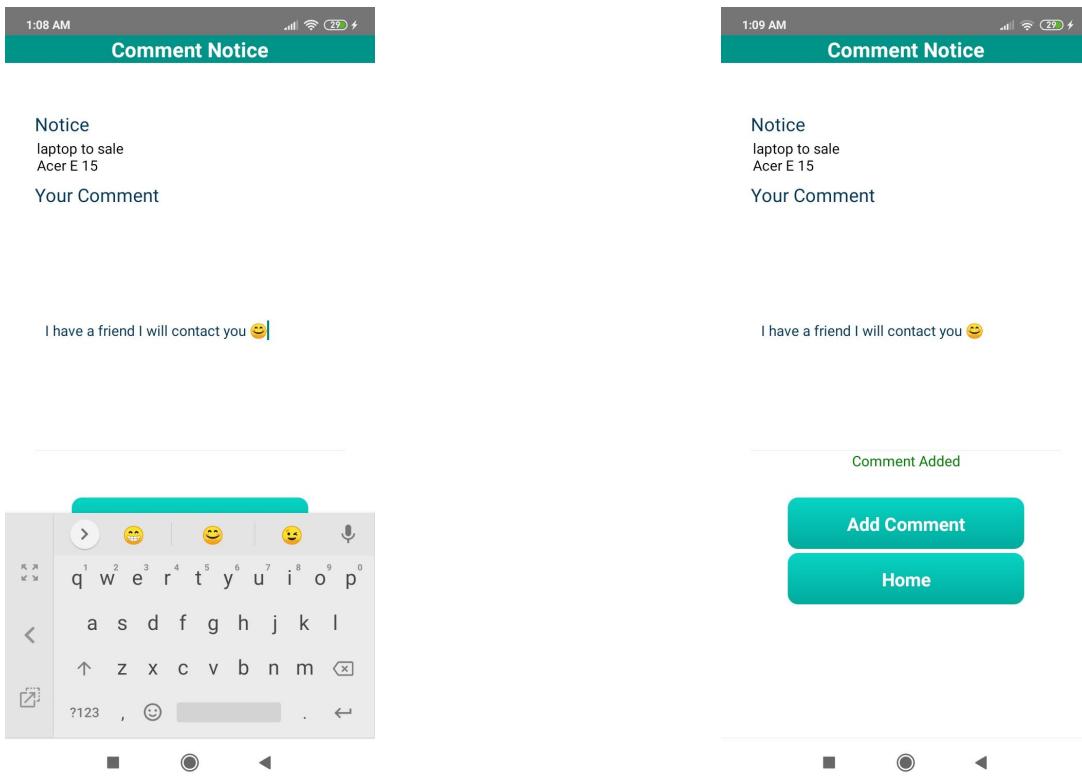


Staff member can review comments on each notices



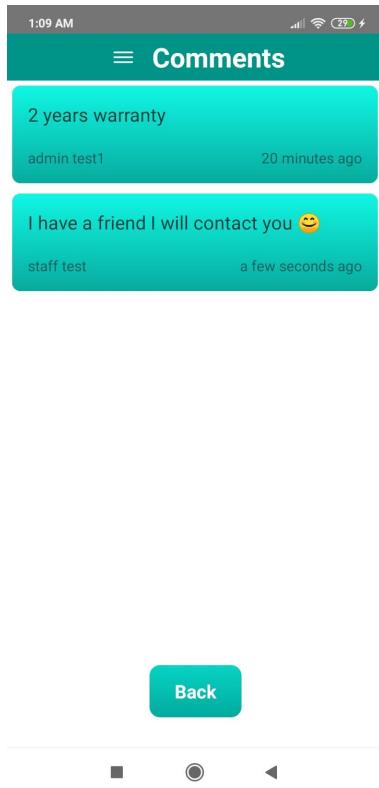
Staff members can comment on notices by wipe from the right

Staff member add comment



Staff member adding comment

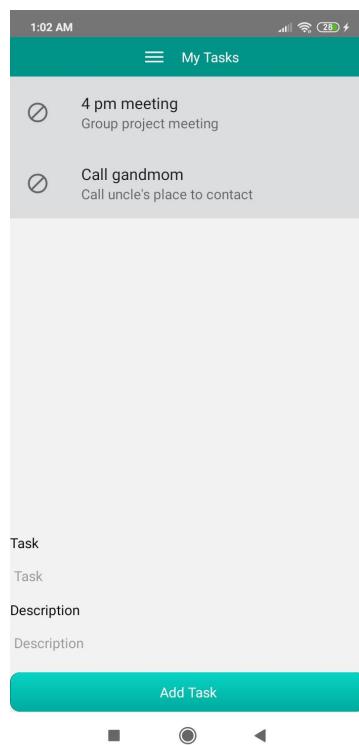
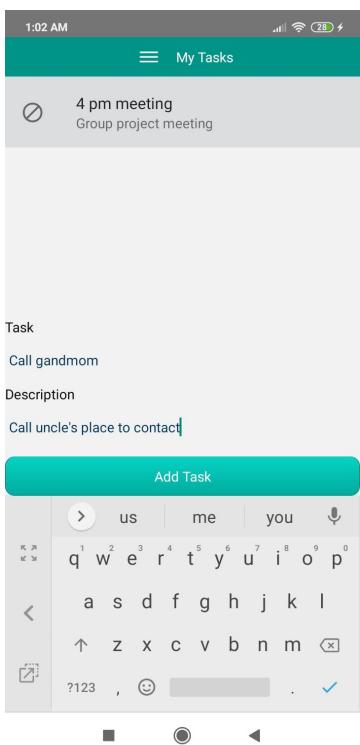
Comment added



Added comments

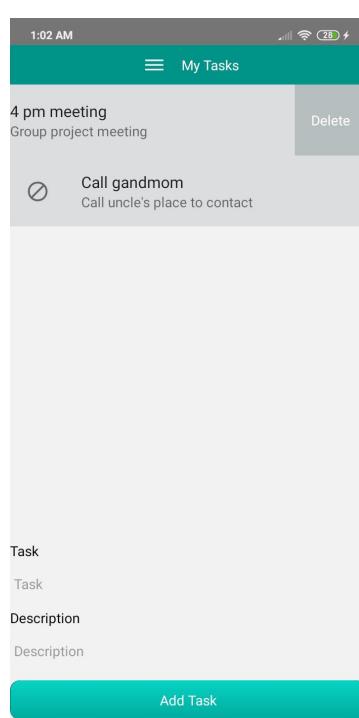
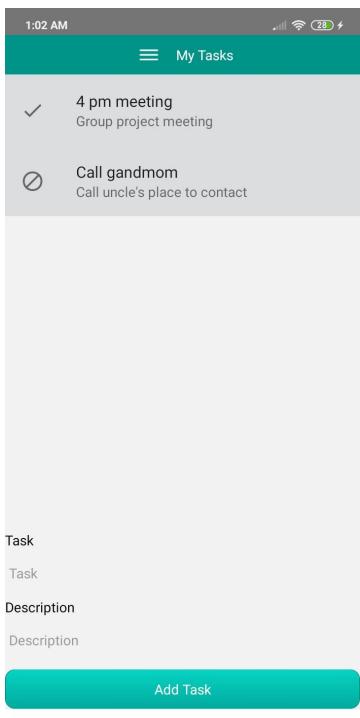
More on next page

To Do feature



Add to do

List of to dos

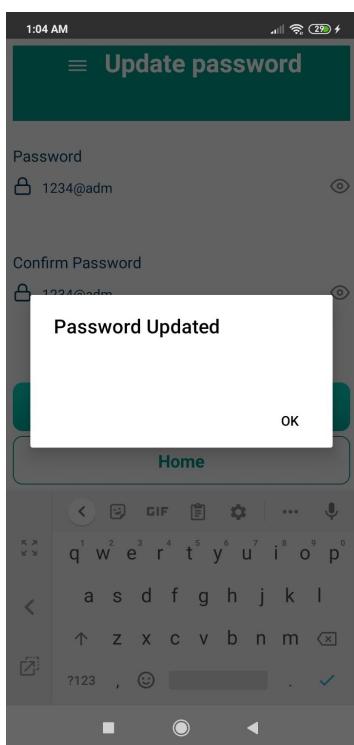
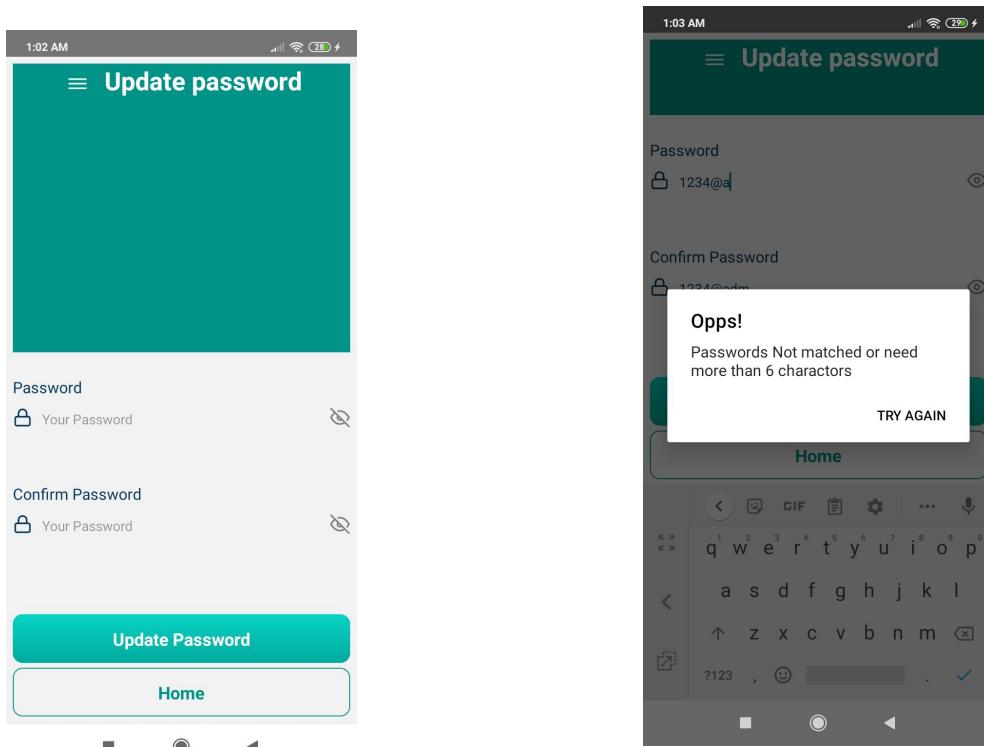


By pressing can change its state to done

Wipe from right to left can delete to do

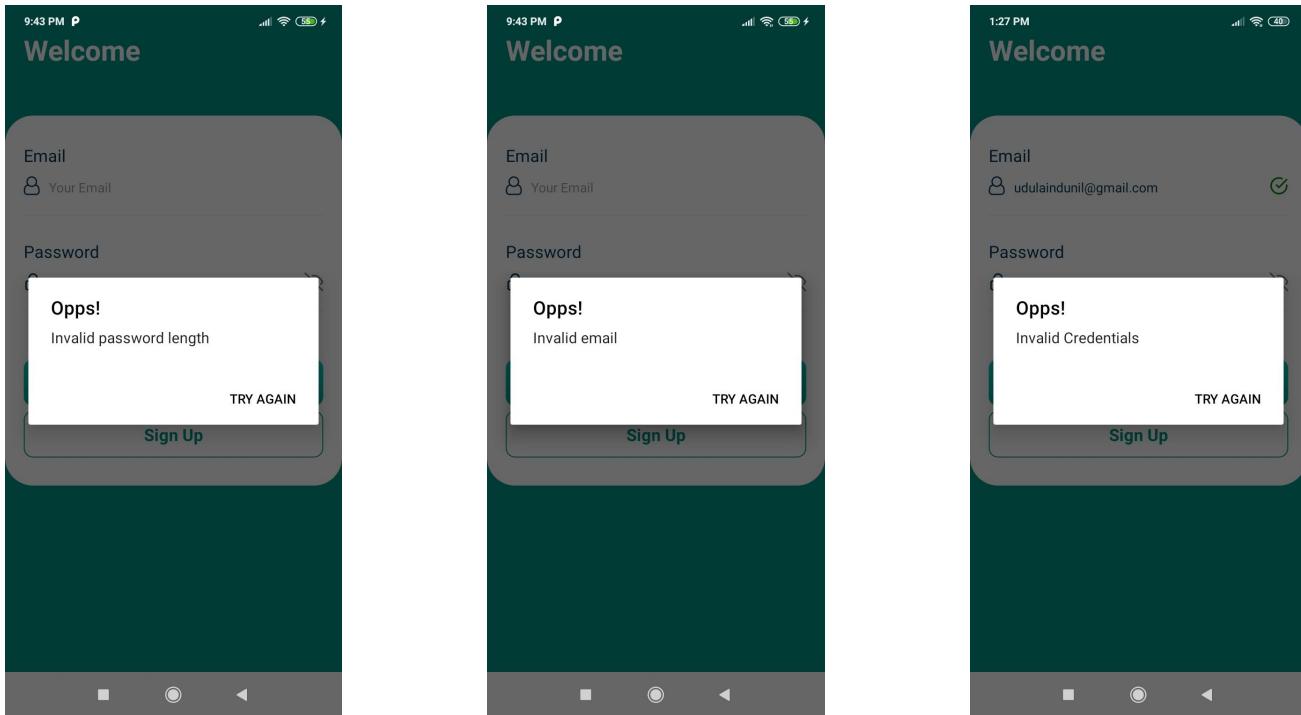
User password reset feature

Can navigate through the **drawer -> settings**

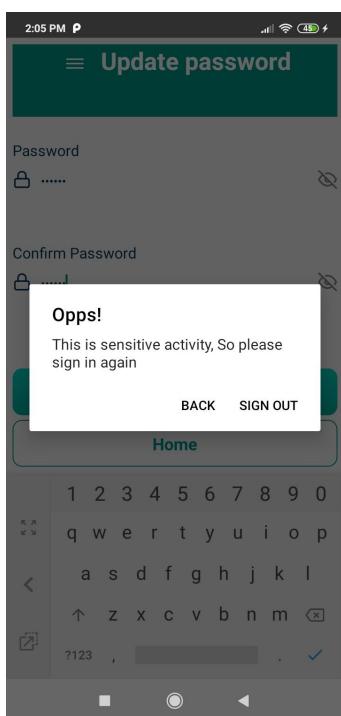


From validations

Sign in From validations



Update password



When the firebase user session expired

Sign up form validation

