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Let's Chat

Description

This a simple real time text chat have friends to send them requests
And begin text to them send notification for friend request

Intended User

This app for any one need to know new friends and begin
Chat them

Features

List the main features of your app. For example:

- Register by (username , email , password)
- Change ownPhoto and status
- List of friends
- List of requests
- List of all users register at app for send requests
- Show user info
- Chat to any friends

User Interface Mocks

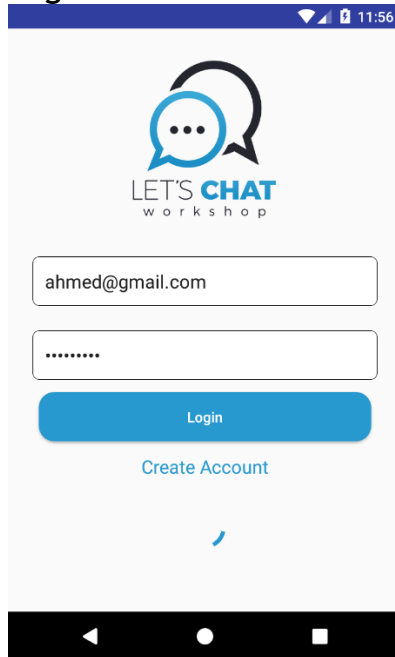
Splash Screen



Register Screen

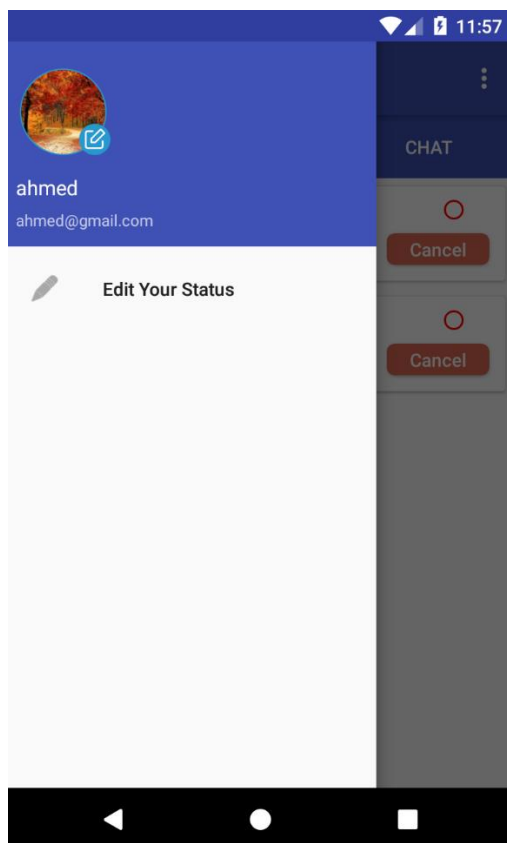
A mockup of a mobile app register screen. The background is a light gray color. At the top, there is a blue header bar with the word "Register" in white, sans-serif font. Below the header, there are three input fields with rounded corners and a light gray border. The first input field contains the text "ahmed". The second input field contains the text "ahmed@gmail.com". The third input field contains a series of dots, indicating a password field. Below the input fields, there is a blue button with rounded corners and the text "Sign Up" in white, sans-serif font. Below the button, there is a link labeled "Login" in a blue, sans-serif font. At the top of the screen, there is a status bar with a white background, showing a Wi-Fi icon, a battery icon, and the time "12:00". At the bottom of the screen, there is a black navigation bar with three white icons: a back arrow, a circle, and a square.

Login Screen

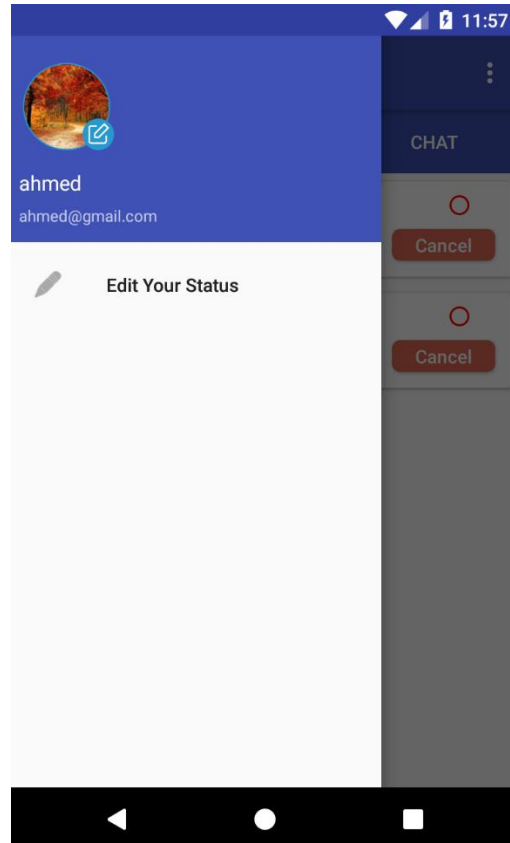


The Login Screen features a blue header bar with a status bar on top showing signal, battery, and time (11:56). The main content area is light gray. At the top center is the 'LET'S CHAT workshop' logo, which consists of two overlapping speech bubbles (one blue, one black) with three dots inside the blue one. Below the logo are two white input fields with thin gray borders. The first field contains the email 'ahmed@gmail.com'. The second field contains a masked password '*****'. Below these fields is a prominent blue 'Login' button with white text. Underneath the button is a blue link that says 'Create Account'. At the bottom of the screen is a black Android navigation bar with white icons for back, home, and recent apps.

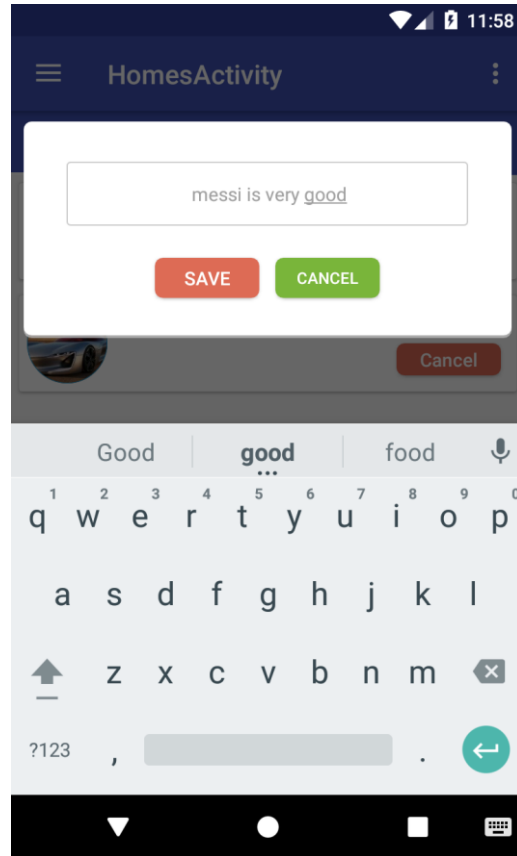
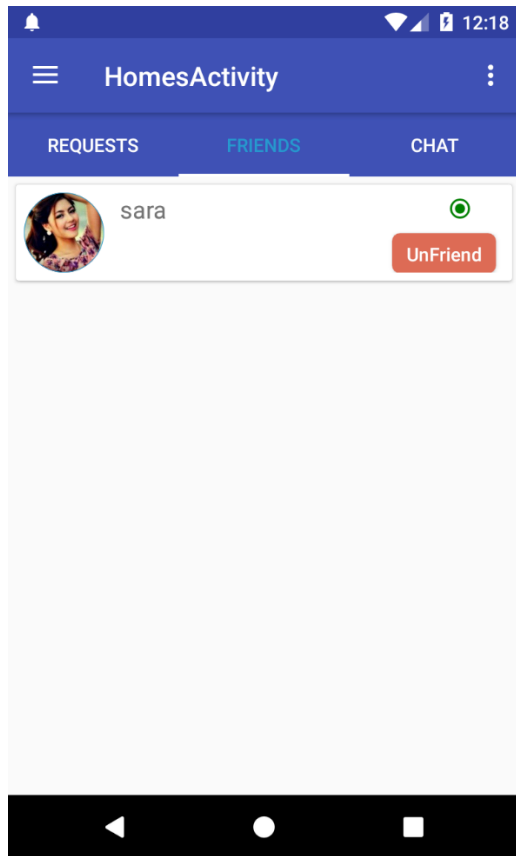
Home Screen



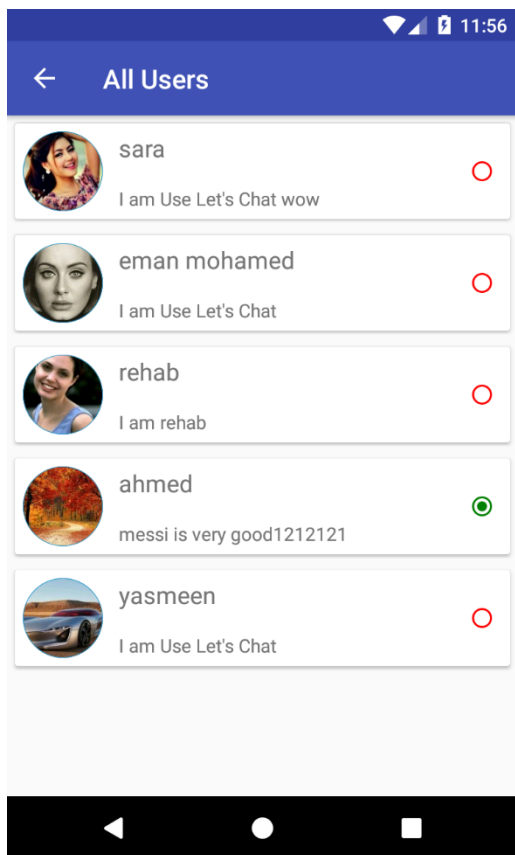
The Home Screen mockup on the left shows a user profile for 'ahmed' with the email 'ahmed@gmail.com'. The profile section has a blue background and includes a circular profile picture of a landscape with a blue chat icon. Below the profile is a white area with a pencil icon and the text 'Edit Your Status'. To the right of the profile is a dark blue sidebar with a three-dot menu icon at the top, followed by a 'CHAT' button, and two 'Cancel' buttons, each preceded by a red circle icon. The bottom of the screen features a black Android navigation bar with white icons for back, home, and recent apps.



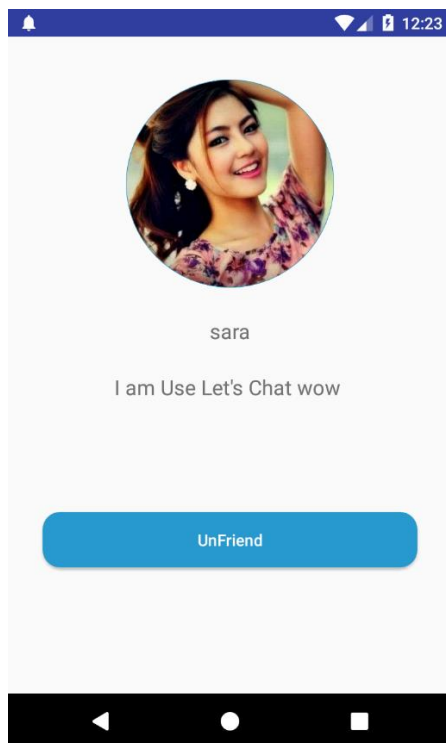
The Home Screen mockup on the right is identical to the one on the left, displaying the user profile for 'ahmed' and the 'Edit Your Status' section. It also features the same dark blue sidebar with the 'CHAT' button and 'Cancel' buttons. The status bar at the top shows the time as 11:57. The bottom of the screen features a black Android navigation bar with white icons for back, home, and recent apps.



All Users Screen



User Info Screen



Key Considerations

How will your app handle data persistence?

use Firebase Realtime Database

Describe any edge or corner cases in the UX.

Use animation when status edit text is empty and show snack bar ,
And animation when click at user image at navbar header or at user info Activity

Describe any libraries you'll be using and share your reasoning for including them.

Glide to handle the loading and caching of images , one signal to send notification , cricleImageView to handle circle shape image , rx android and compressor to compression img , cropper to crop image , sdp to make app responsive .

Describe how you will implement Google Play Services or other external services.

I integrate it at gradle and use it to connect to firebase and use fcm with one signal to send notifications

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

- Configure libraries
- Sign in at firebase
- Create project at firebase
- Sign in at one signal
- Create app at one signal

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for Splash Fragment
- Build UI for Container Activity
- Build UI for Home Activity
- Build UI for Requests , Friends Fragments
- Build UI for chat Activity
- Build UI for All Users Fragment
- Build UI for Requests Item , Friends Item Views
- Build UI for User info
- Build UI for change user status Fragment

Task 3: Your Next Task

DO register activity , login and splash

Describe the next task. List the subtasks. For example:

- Create layouts
- Connect to Firebase and it to dependancies
- Save user data (and device token)at realtime database and at sherdPrefrences
- Create Account at firebaseauth by email and password
- Load splash activity untail chunk if user is login before or not if login load user data from sherd pref and lead us to home activity else got to login activity

Task 4: Your Next Task

Do Home activity for show user info at navbar can edit , friends fragment show all friends and all requests that user send or received

List the subtasks. For example:

- Create layout
- Get user data from login activity or splash and show it
- Get all friends from friends node for this user from firebase
- Get all requests from requests node for this user from firebase
- At friends fragment can unfriend this person or chat him when click at all view
- At requests fragment can accept request or cancel when received it or cancel if I send it or go to see this user info when click at view
- Can edit my photo and my status or logout or go to all users activity

Task 5: Your Next Task

Do all users activity to show all users at app and sent friend request to them , show user info activity , chat activity for chat and `NotificationExtenderExample` for received notification and see what is type and which user open screen now then show notify or not based on running screen

. List the subtasks. For example:

- Create layout
- Get all users from users node at firebase and show it at recycler view using firebase recycler Adapter
- When click at any item at recycler view show user info and can send request cancel confirm if click to my it I will invisible to send request
- When received notification I see what it type and I will see what is current running process and decide if I will show notify or not if notification type 1 (friend request) and I am now at request fragment I will not show notify