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Advanced Chat App

Description

It is an one to one chat app that use firebase to Authentication and database. it looks like a WhatsApp Application but it has ability to schedule message to send to specific Friend at specific time without any action from user. and it is written in java language.
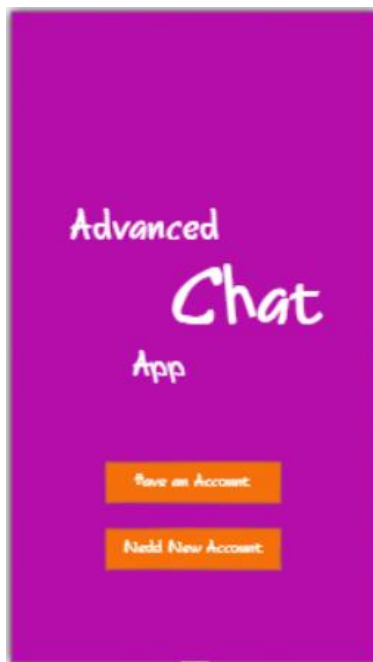
Intended User

We all forget to send messages at certain time to someone, in work for reminder someone to take important action. To some friend to say to him "Happy Birthday" , we all have events 😊

Features

- Send messages to friends
- Send Friend request
- Send messages at specific Time

User Interface Mocks

Screen 1

Advanced
Chat
App

Have an Account

Nedd New Account

This is the first screen to login or registration .

Screen 2

Screen 3

Create Account

Create New Account

User Name

Email

Password

Create An Account

Login

Login to your account

Email

Password

Login

Creating Account
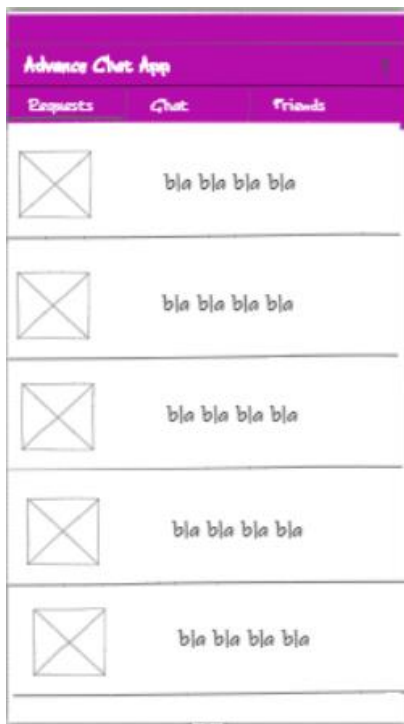
Login into your Account

Screen 4

Friends Request

Screen 5

Chat page

Screen 5

Friends page

Screen 6

Profile page

Screen 7

App Widget

Key Considerations

How will your app handle data persistence?

My App handle data Using Firebase Realtime DB Technique , Authentication , and storing data and Images.

Describe any edge or corner cases in the UX.

The application is very simple , it look like WhatsApp with new features , so I think it is very friendly to any edge can write and read.

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

Picasso' `2.71828`': to handle the loading and caching of images.
Android Image Cropper '`2.7.+`' : to handle cropping profile picture cropping .
Firebase Authentication, Database & Storage '`15.0.0`': to handle the Authentication and data.
BetterKnife '`8.8.1`' : to handle accessing to components in view

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

Firebase analytics or Firebase crashlytics.

Google Mobile Ads.

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
- Search in how to deal with Firebase

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for Registration and Login

Task 3: Your Next Task

- Create layout
- Login and Registration to firebase
- Creating Profile Activity and changing Image and status

Task 4: Your Next Task

- Loading all users from firebase and Friend Request using **AsyncTask**
- Loading right request in request page
- Chat page

Task 5: Your Next Task

- Creating schedule message to specific person service
- Loading friends from firebase
- Trying to send images throw chat