

Postkan Chatting Application

Developed by Trương Nguyễn Khánh

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01.

INTRODUCTION

MY PURPOSE

The Postkan Chatting App developed for learning mobile device programming and providing the solution chat for people easily close together



NON-FUNCTIONAL REQUIREMENTS

Security


- Validate the information from user: email, username, password, ...

Usability

- Easy to use, see, close, chat, ...
Wrong input - only enter it – not completely

Supportability

- The PCA operate correctly with all devices that use the android operating system



02.

TECHNOLOGIES

BACK-END with JAVA

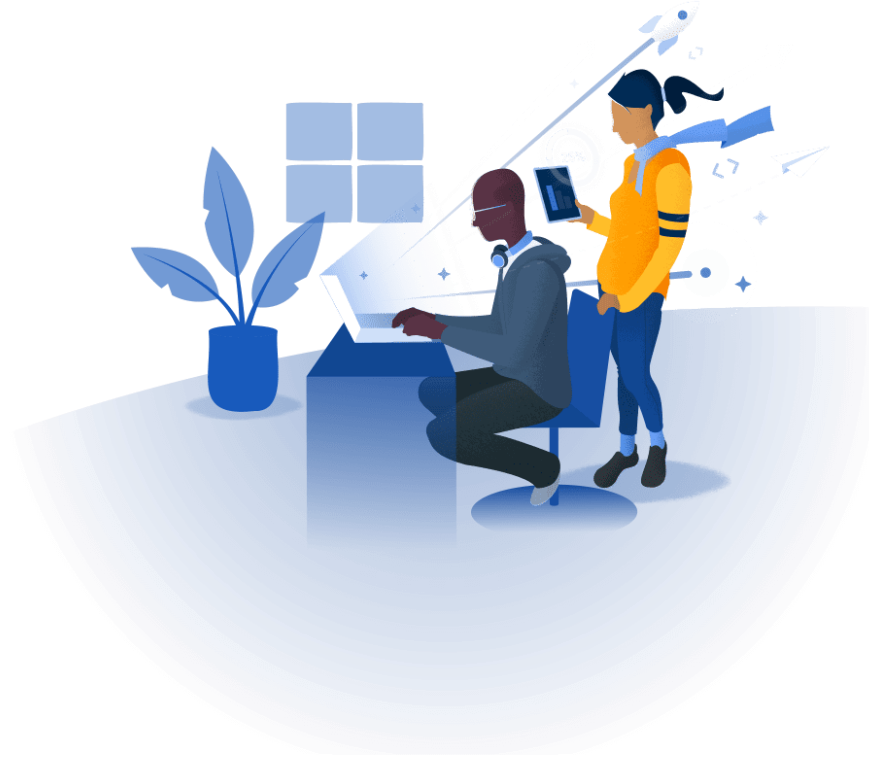
Using programming language is JAVA.
A popular programming language in:
Desktop, **Mobile**, Web, Games,






DATABASE with FIREBASE

Build & run successful apps with NoSQL
- an approach to database management
a wide variety of data models, with high
speed, easy to updates fields, friendly, ...





03.

FUNCTIONS

SIGN UP

You don't have account? **Sign Up**
with Email and Password

Validation



Empty Username, Email



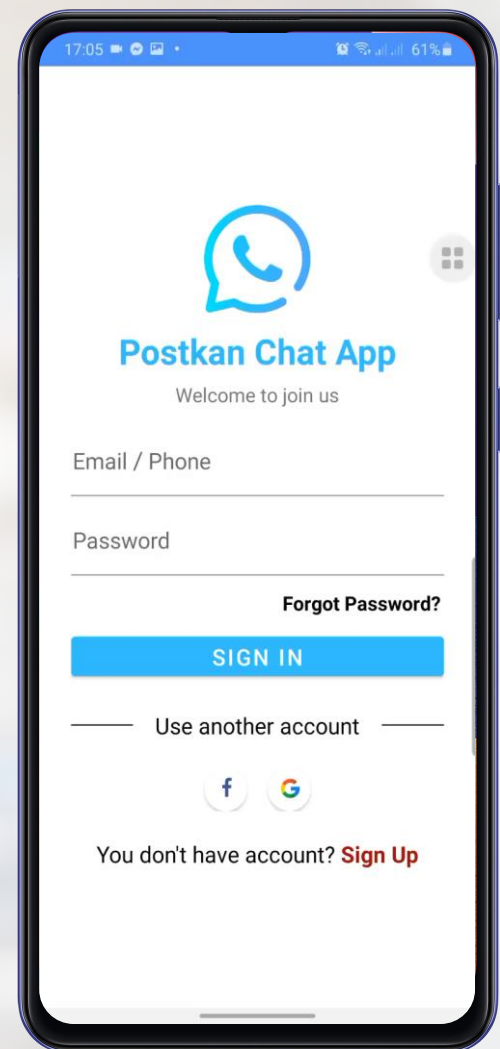
Password matched Confirm Password



Show/ hide password



Unique, valid email



SIGN IN with Email, Password

You've already have an account?
Just **sign in** with Email & Password

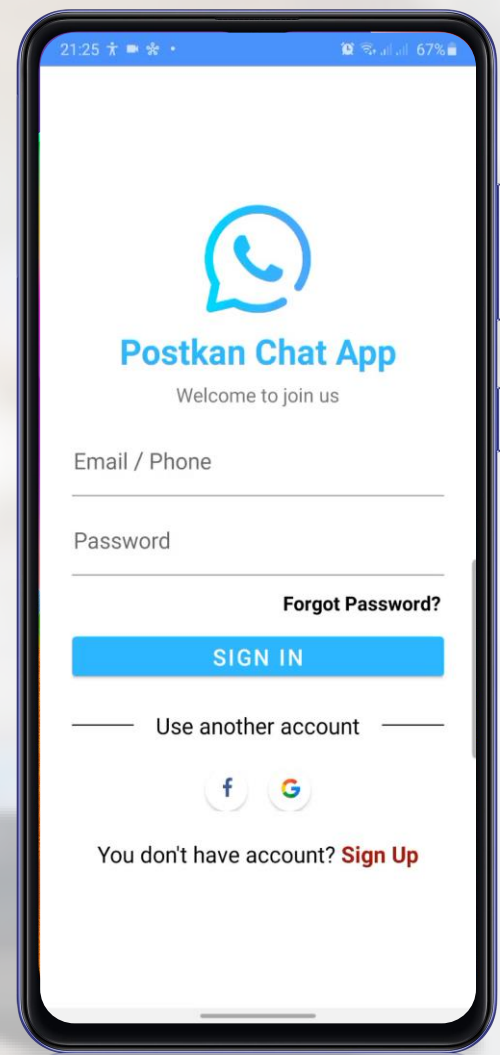
Validation

✗ Empty Username, Password

✉ Email valid & exist

👁 Show/ hide password

✓ Wrong input – only enter it



SIGN IN with Google Account

Sign in with Email, **too much time!!!**
Here we have sign-in with Google

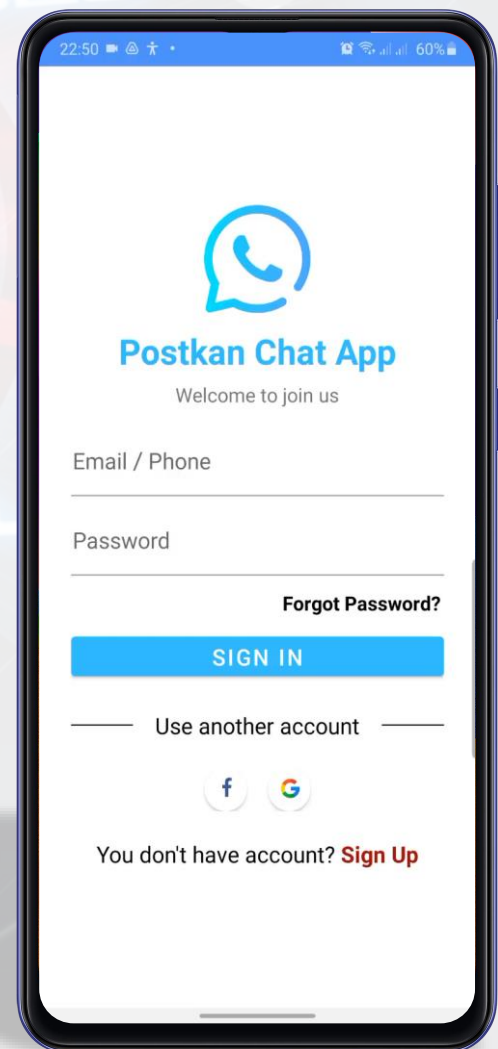
Benefits



Easy to install with Firebase



Save time for user



FORGOT/ RESET PASSWORD

Someday, you forgot password!
Don't worry! Just reset your password

Usability



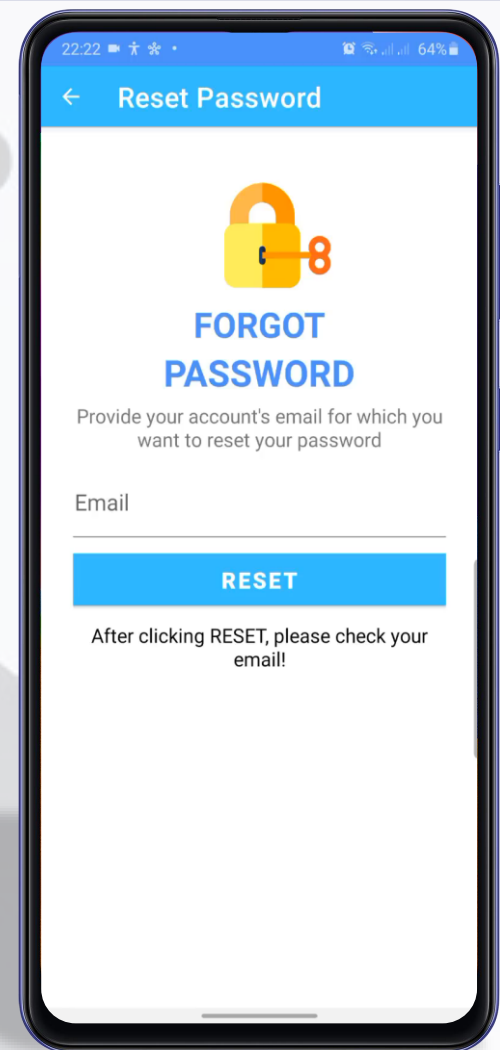
Empty Email










Receive a message to reset

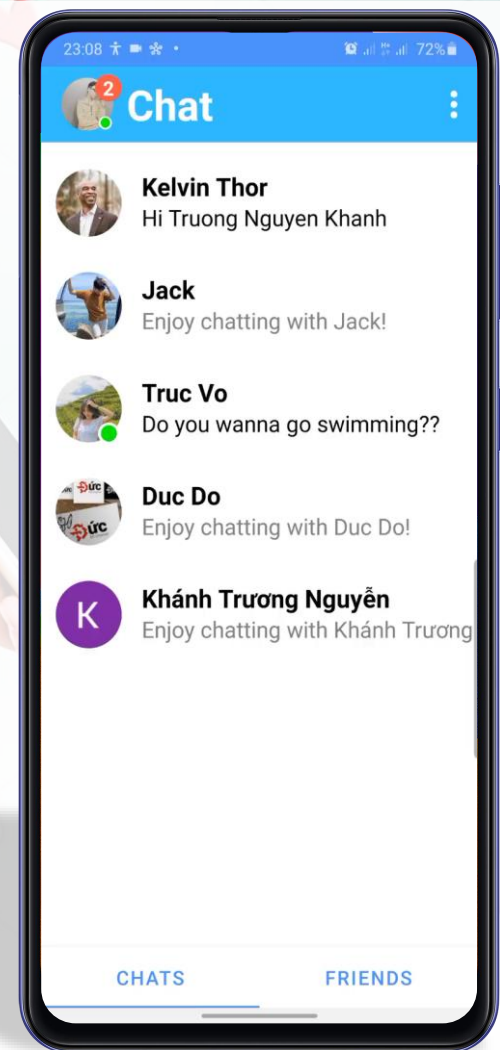


Easy to reset



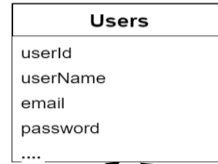
CHAT LIST – FRIEND LIST

-  Number of unread-message(s)
-  Black color for unread-message
-  Search friend by lower(upper)case
-  Online/ Offline
-  Tap to chat
-  View Pager
-  Back pressed 2 times to exit

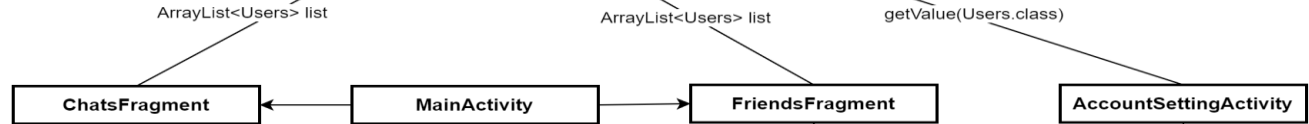


CHAT LIST – FRIEND LIST

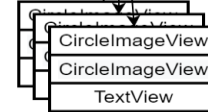
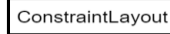
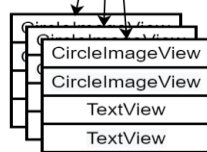
Model




Controller




View




CHAT DETAIL

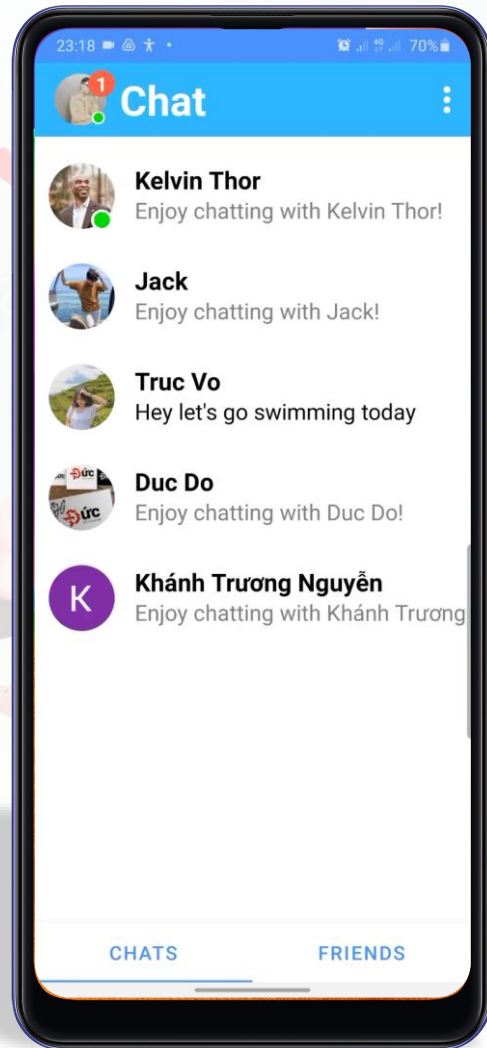
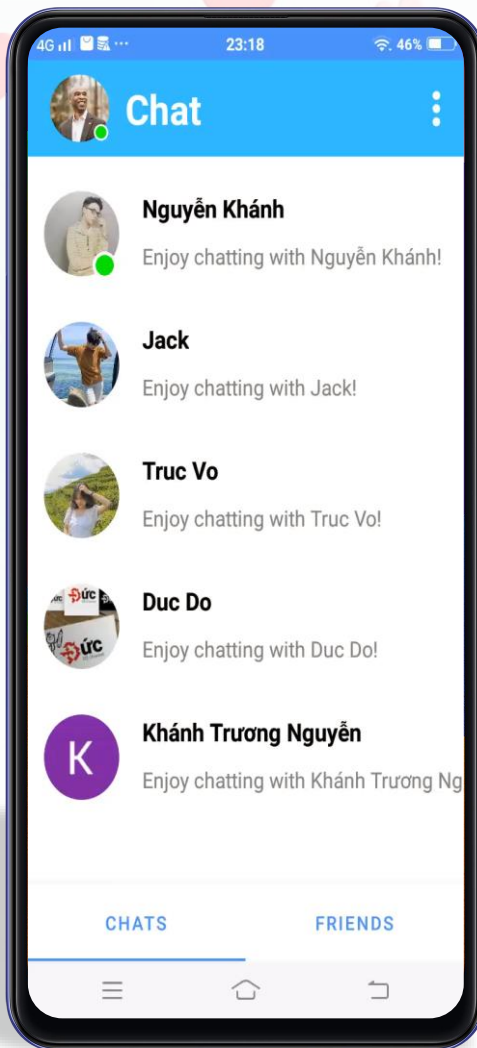
 Send & receive high speed.

 Text-status: seen, delivered

 Image-status message

 Timestamp's message

 OnClick to show info



CHAT DETAIL



Send & receive high speed



Text-state: seen, delivered



Image-state



Timestamp



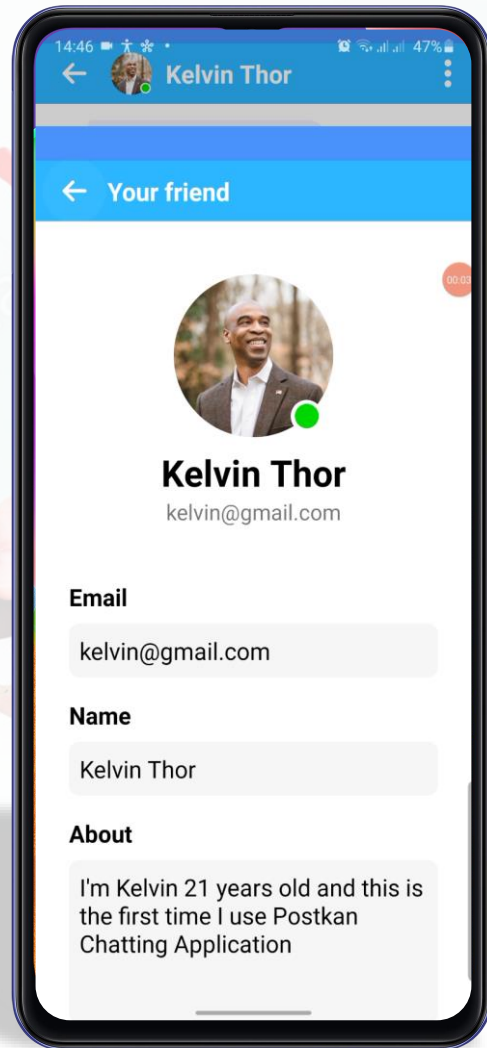
OnClick to show info

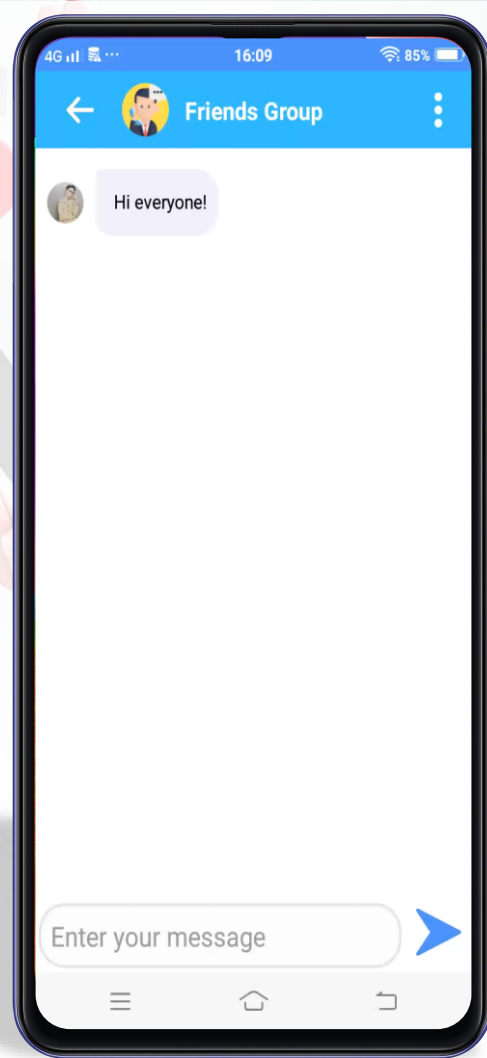
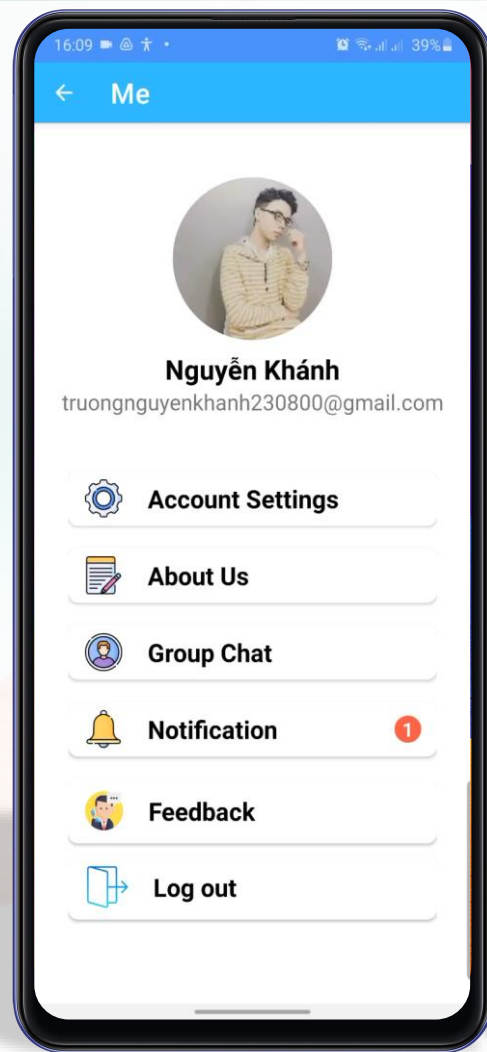


LongClick to delete



Friend's profile





FEEDBACK

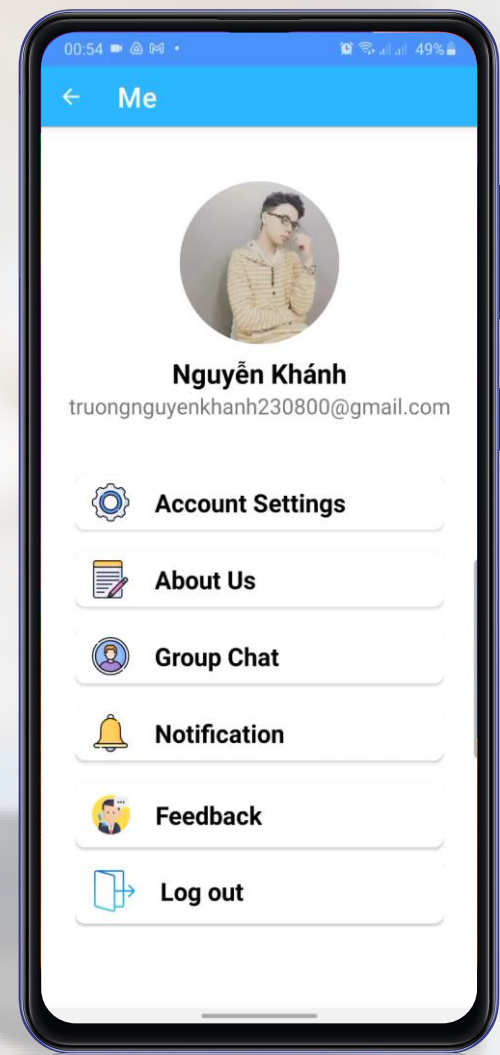
Too easy to feedback
Available email and username

Model – View - Controller

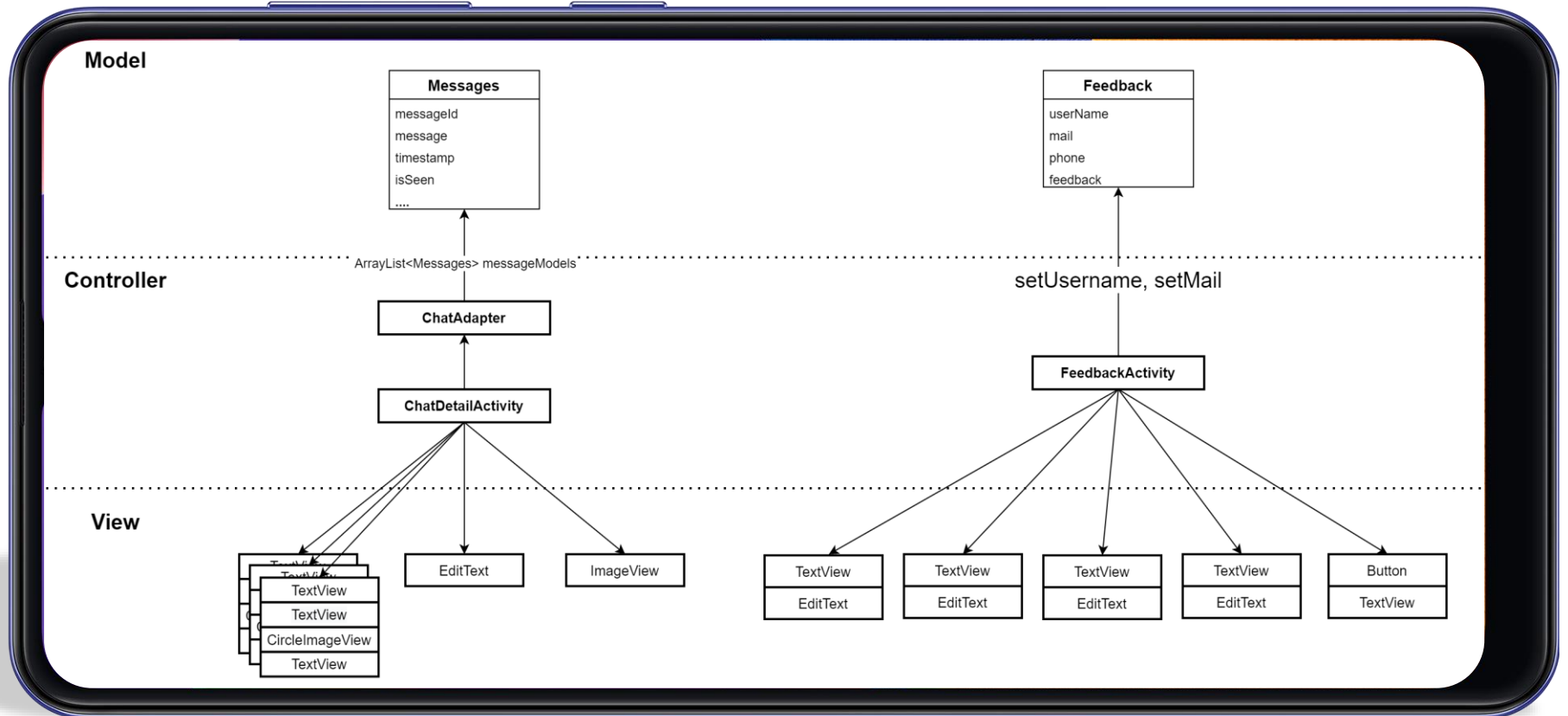
(M) Feedbacks.java: username, mail, ...

(V) activity_feedback.xml

(C) FeedbackActivity.java



CHAT DETAIL – FEEDBACK



ACCOUNT SETTING

Change the avatar
Update your information

Benefits



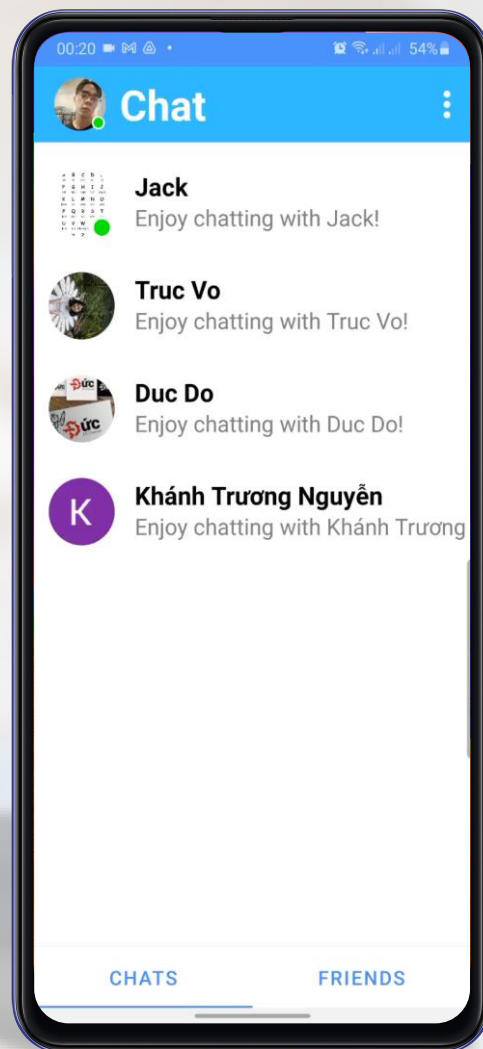
Make friend understand you more



Update realtime with Firebase




Easy to use




ABOUT US

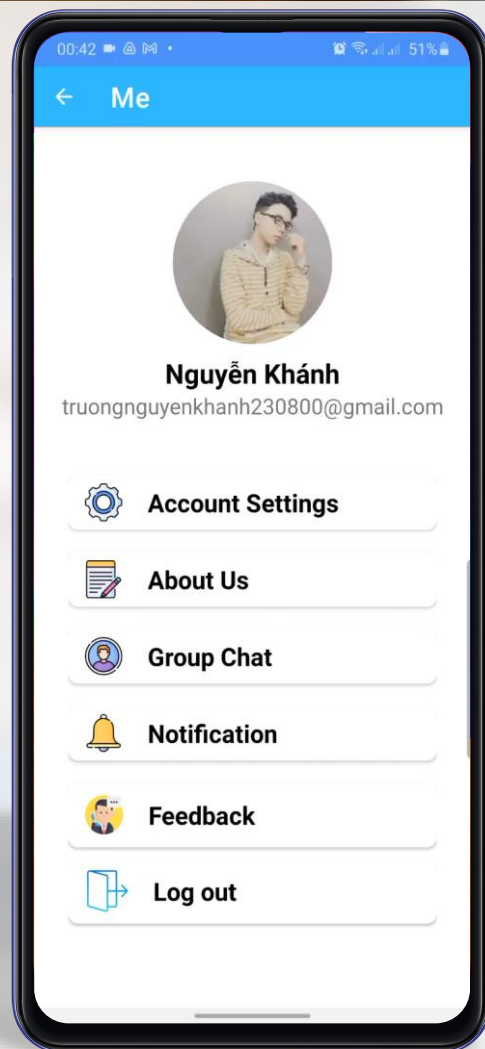
Connect to Trương Khánh by installing
Postkan Chat App


Android about page

 github.com/medyo/android-about-page

 `'io.github.medyo:android-about-page:2.0.0'`

 Email, facebook, Instagram, ...





04.

CONCLUSION

CONCLUSION

With the target set before I have completed

Security

- Validate empty: username, email, ...
- Check valid email
- Password matched Confirm Password
- Unique email

Graphic User Interface

- Easy on the eyes, attracting users.
- Professional interface

Usability

- Easy to use, see, close, chat, ...
- Wrong input - only enter it – not completely

21 Functions

- Sign in with Email & Password, Google Account
- Forgot/ Reset Password
- Validation data: username, email, password, ...
- Show/ hide password
- Chat list, friend list, search friend
- Chat detail
- Watch profile's friend
- Count & change color for unread-message
- Message status: delivered, seen (text, image)
- Setting Menu
- Account Setting: update profile (avatar, about)
- About us with Email, Facebook, Instagram.
- Feedback form
- Group Chat
- Log out



05.

DEVELOPMENT STRATEGY

DEVELOPMENT STRATEGY

Graphic User Interface

- Easier to use
- Using suitable color – more modern

Add more functions

- Sign up/ Sign in with Facebook
- Show name of last message's sender
- Add more information in Friend's profile interface: number of message, the first message's day,....
- Call video.
- Voice call.

Usability

- Increase the speed of loading data
- Send image message.
- Send voice message.
- Add friend
- Create group by user
- Send & receive notification

THANKS

Do you have any questions?

Postkan Chatting Application

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15 days to develop

