

PITCHY

USE CASE MANUAL

GITHUB LINK

[HTTPS://GITHUB.COM/SALTSDEALER/APPPITCHY](https://github.com/saltsdealer/apppitchy)

PITCHY

An app to make your voices visible.

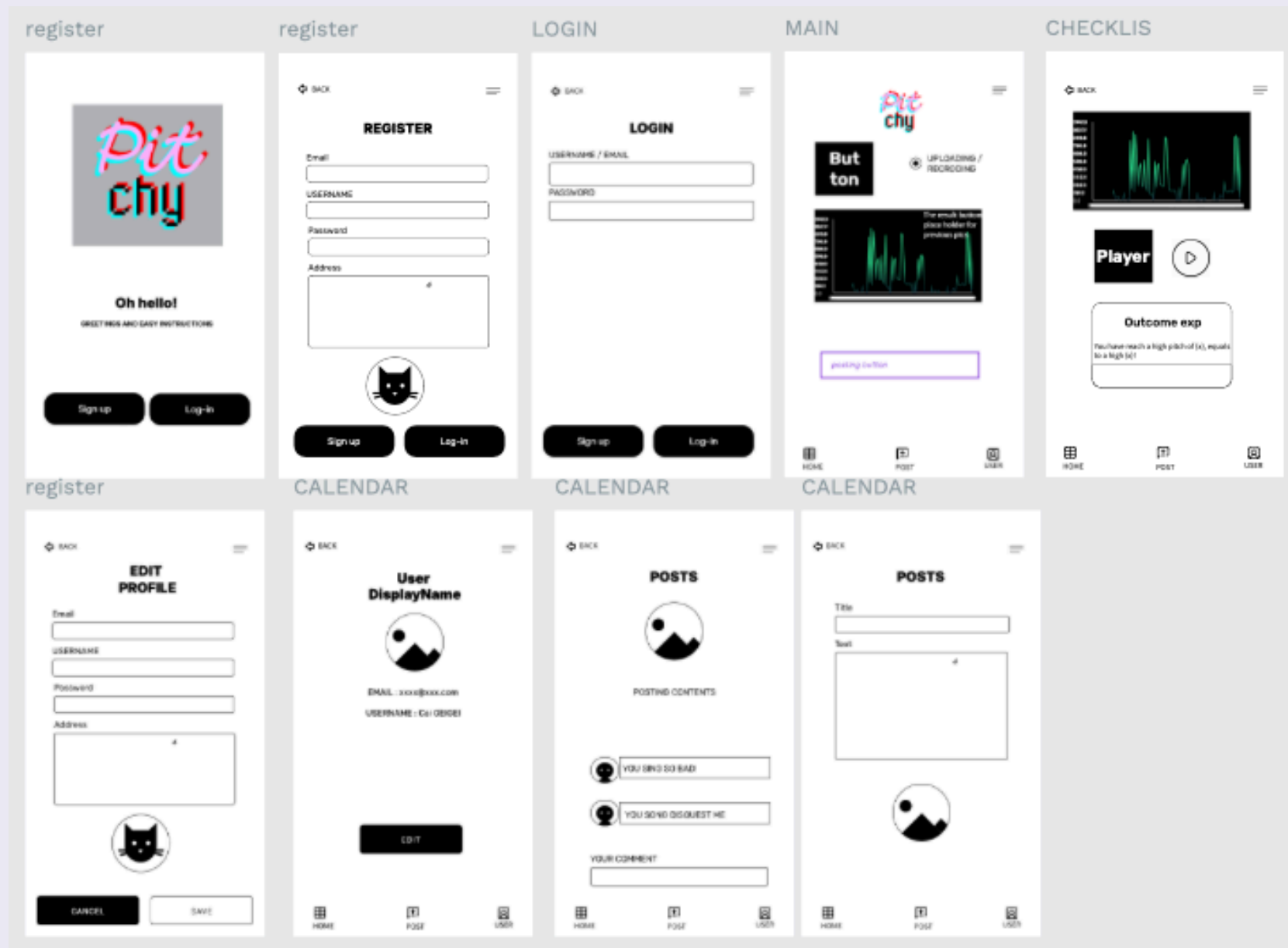
Way for signers or enthusiasts to actually see their song!

Provided user with microphone recording or song selections to make graphic outputs, using essential functions provided by Apple's AVFoundation package

The logging and other back end are build with Google Firebase

User can use build in posts functions to interact and live chatting with other users

THE OLD DESIGN



The previous designs served as guidelines about pages.

All the functions are implemented in the final outcome.

There are some adjustments on minor logics like the home page is now showing the latest posts instead of sending posts directly; user address is removed since it is rather irrelevant.

Adding posts are now in pop up style and some visual improvements on basically every page.

THE FUTURE PLAN

- Rankings for frequency results.
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- Interact picture spawning.

SwiftUI charts, Charts etc.

MAJOR PAGES:

- 1 : Loading - Preview Pages
- 2 : login - Register Pages
- 3 : HomePage - Recorder/Player Pages
- 4 : Posts/Add Posts Pages
- 5 : Profile/Edit Profile Pages



THE PREVIEW-LOADING PAGES

The loading page will appear and wait for loading of preview page's image data

The preview page includes the carousel, which loading from Firebase Storage to allow version updates, and it can swipe between three images.

**This is causing a side effect that sometimes the pic is not showing due to lag or sth*

This will allow user to direct to register or login and a check for if user already login is added which will direct to home view.



REGISTER AND LOGIN PAGES

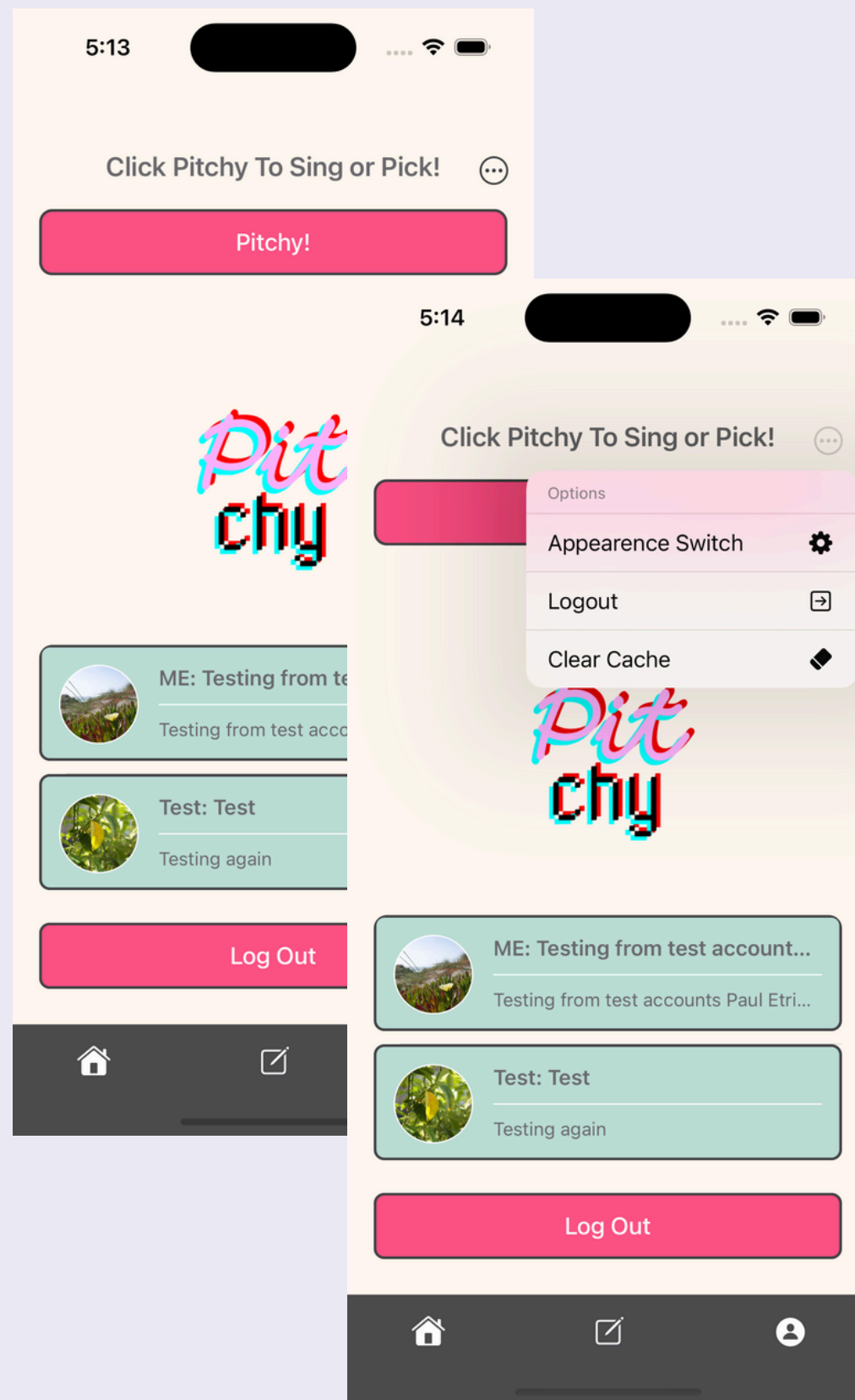
The image displays two mobile application screens side-by-side. The left screen is titled 'Login' and features a 'Back' button, an 'Email' input field, a 'Password' input field, a blue 'Register' button, and a light blue 'Log In' button. The right screen is titled 'Register' and features a 'Back' button, a circular profile picture placeholder with a person icon, a 'Name' input field, an 'Email' input field, a 'Password' input field, a 'Re-enter Password' input field, and a light blue 'Register' button. Both screens have a status bar at the top showing the time as 2:14 and various icons.

The login and register page, I removed the address cause that seems rather irrelevant.

The login page would direct you back to register as user may found out they actually didn't register

User can pick their profile image, and use a cropping tool to edit the image, re-enter password is required and will be checked

I also added duplication check for user name and email, so that to prevent same name issues.



HOME PAGE

The Home page is where user is allowed to select either uses microphone to **record** a small piece of audio, or let user to **pick an audio** from the system files via **Pitchy button**.

**Not too worried about CR issues, as most of the apps would encrypt their assets, so it won't be able to be selected*

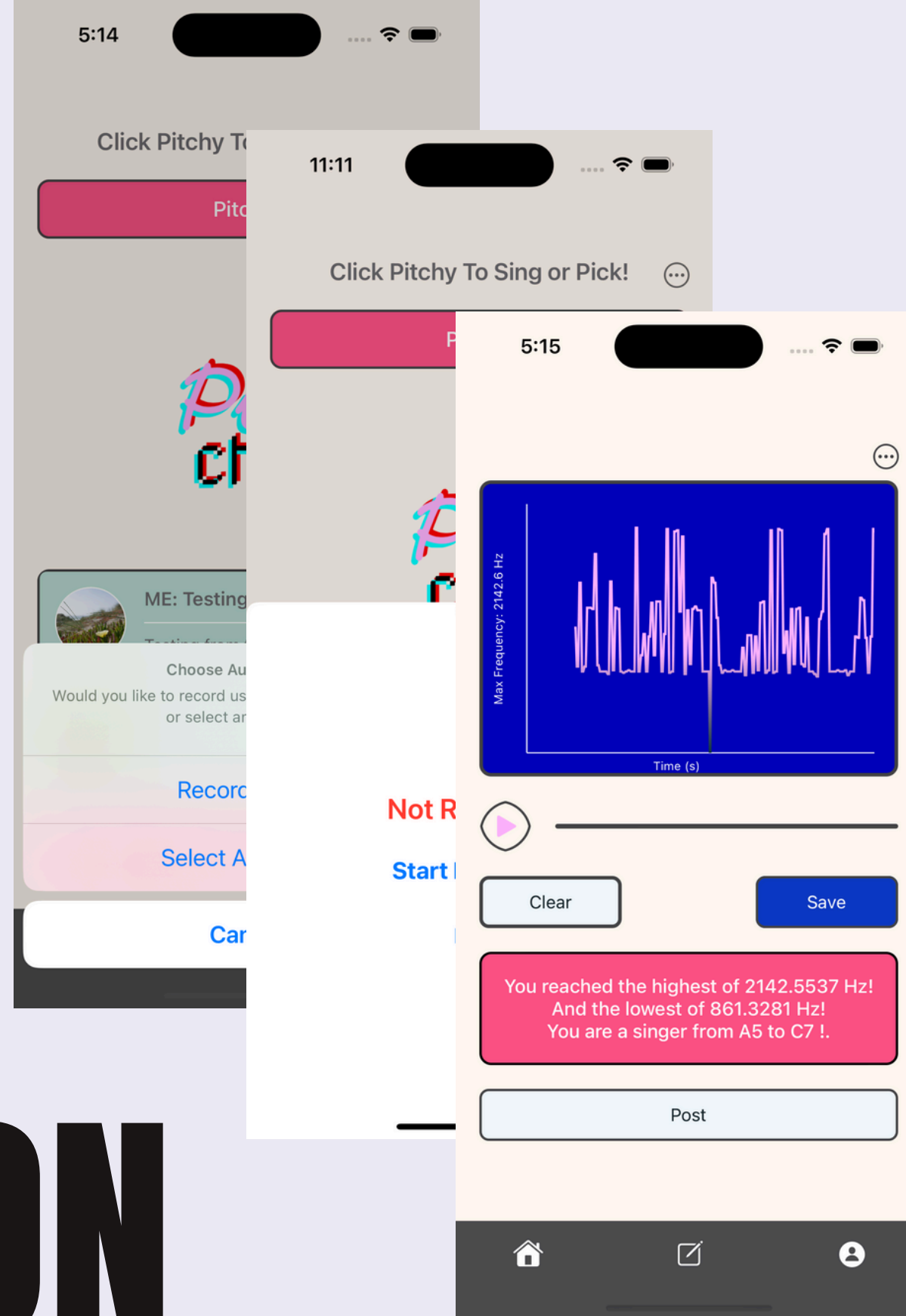
The logo area will show the latest result if available

A mini table for latest 2 posts of the user are presented and are able to redirect to the post page if clicked

The **main navigation** on the bottom would provide directions to **HOME, POST and USER page**

The drop down menu provides short cut for user to switch to dark/light mode, logout or clear the stored result image

CORE FUNCTION



If pitchy button clicked, the user will be able to pick whether select a file or record right now, either way, the audio file will be passed to next page.

When user click the play button, the audio will be played and controlled by it with the progress bar.

The freq data will be updated in real time. The clear button will remove all current datas.

After the play finished, can click save to save the image to gallery and cache it, this will also update the home view

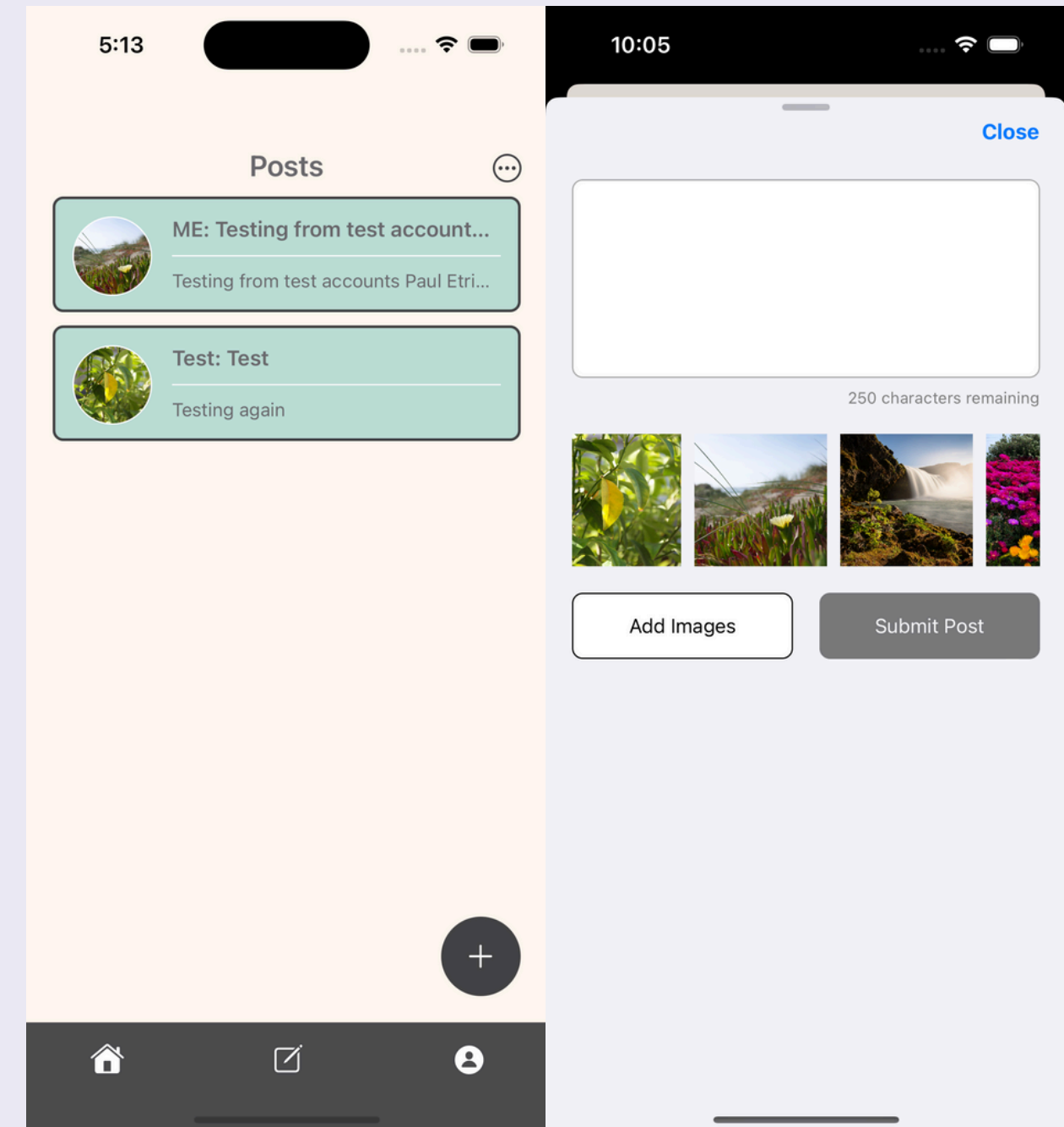
The post button here will provide short cut for user to fast add post with result image preselected

if you want to test this function, you need to send an audio file to the simulator or just record it using microphone

POST PAGES

The post page will show all the posts in real time in a newest on top order based on time stamp, it will show the user profile image, user name and a short of both the post contents and the latest message.

When user click the plus button, the add post page will pop up and user can add multiple images and see their selections.



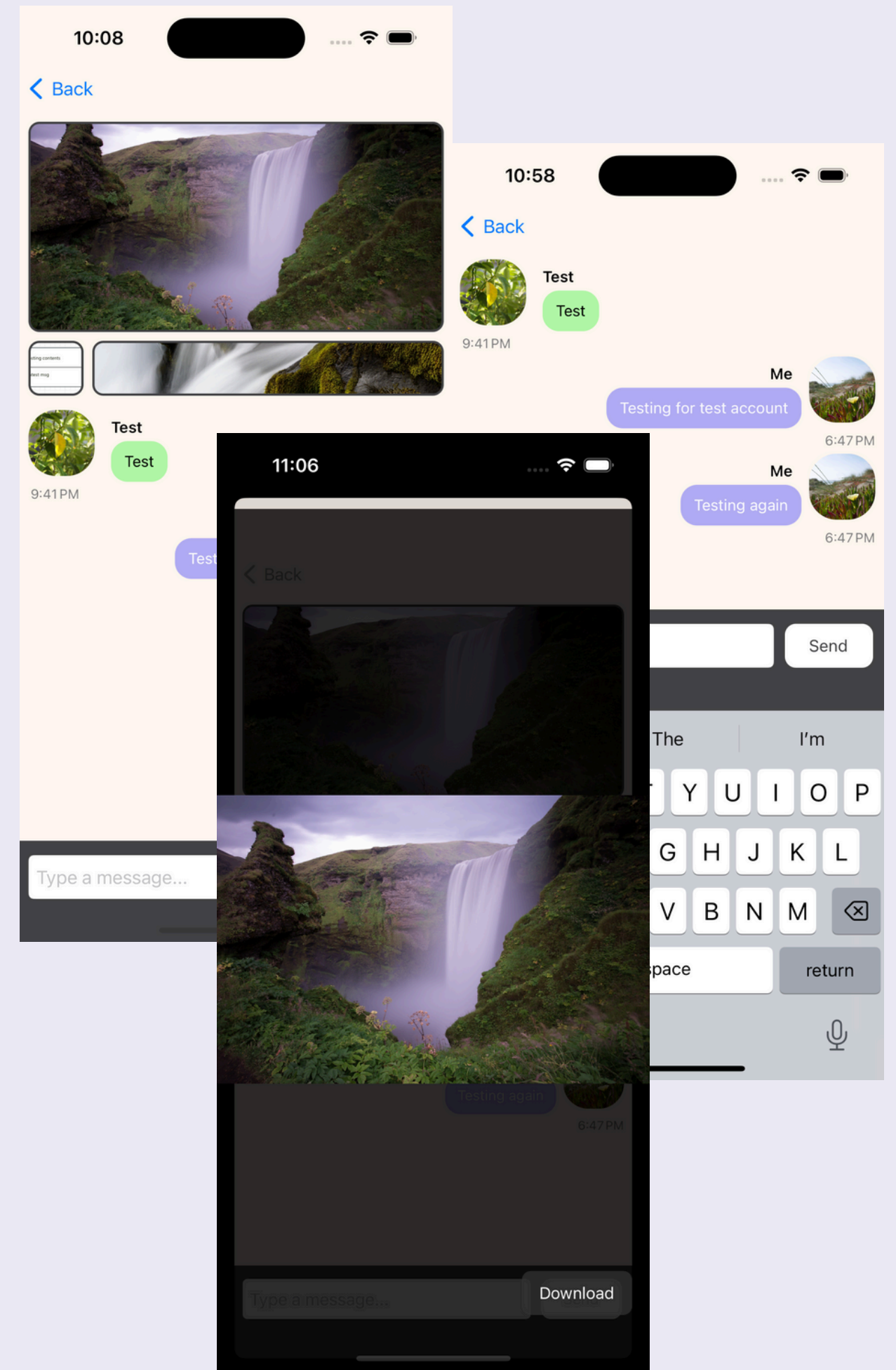
POST COMMENTS

When user clicked on each of the posts, it will redirect to the chatting page with the post images on top.

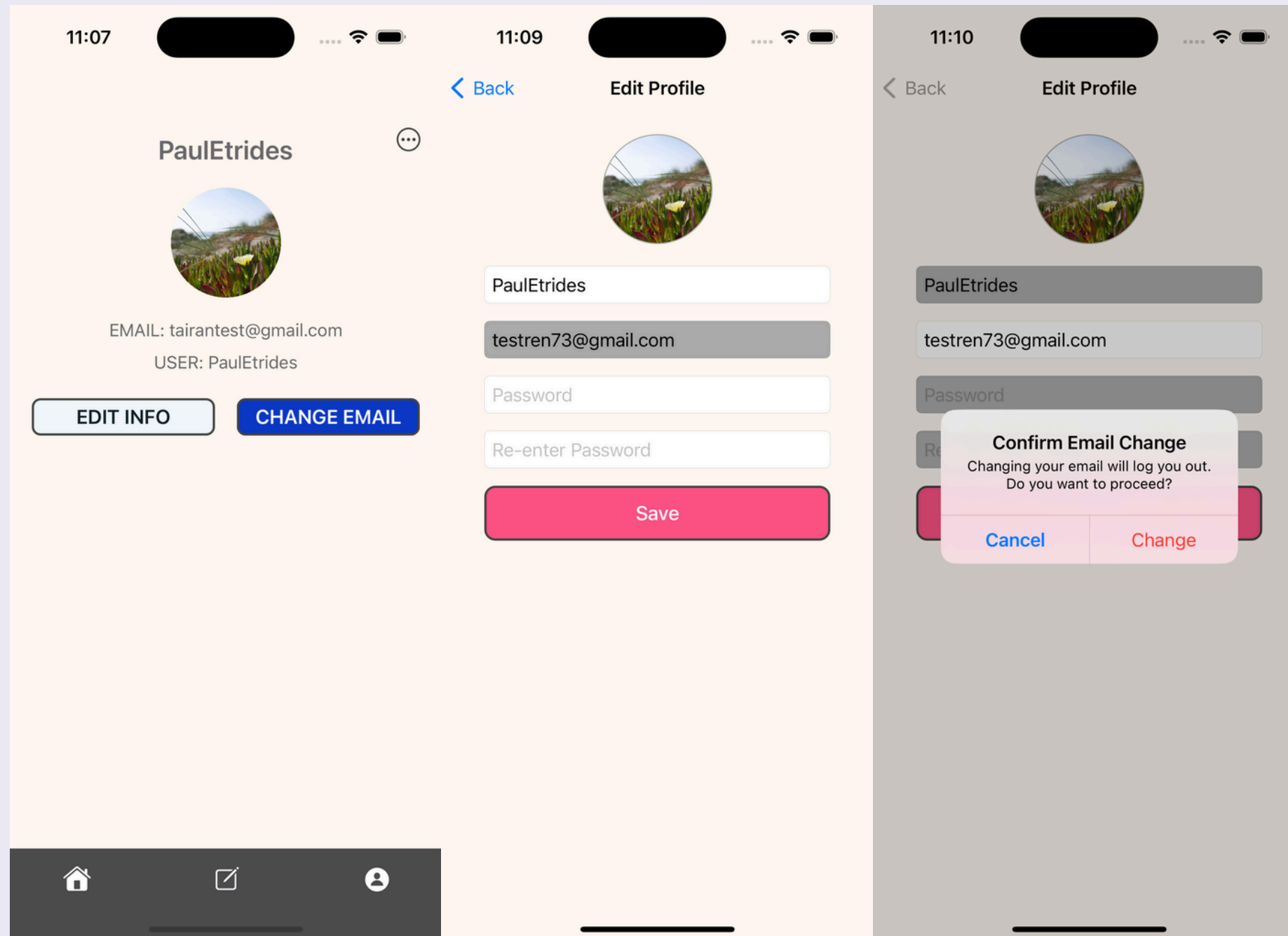
It is due to this setting, the horizontal mode is disabled on purpose, so that easier for user to use input area.

The first message is the post contents, the msgs send by the current user is on the right and others on the left, in different colors.

The images are hidden when keyboard is called, to improve viusals for users, and preview mode is added so user could zoom in to see the pictures



PROFILE PAGE



Firebase has this settings:
if change email as this is the login id, user will be force logout in firebase, but not for passwords changes.

So that a separate page is provided specifically for changing emails, and this will also depend on internet, as it will send a confirmation to your new email.

In each edit page, only the relevent fields are enabled for user input, second confirm is required and will freeze the page in the process, you can update the profile image in edit info page