

Dream App

Chat. Feel. Contact

Team 26 Dream Team

INFO 6150 Spring 2022 Final Project

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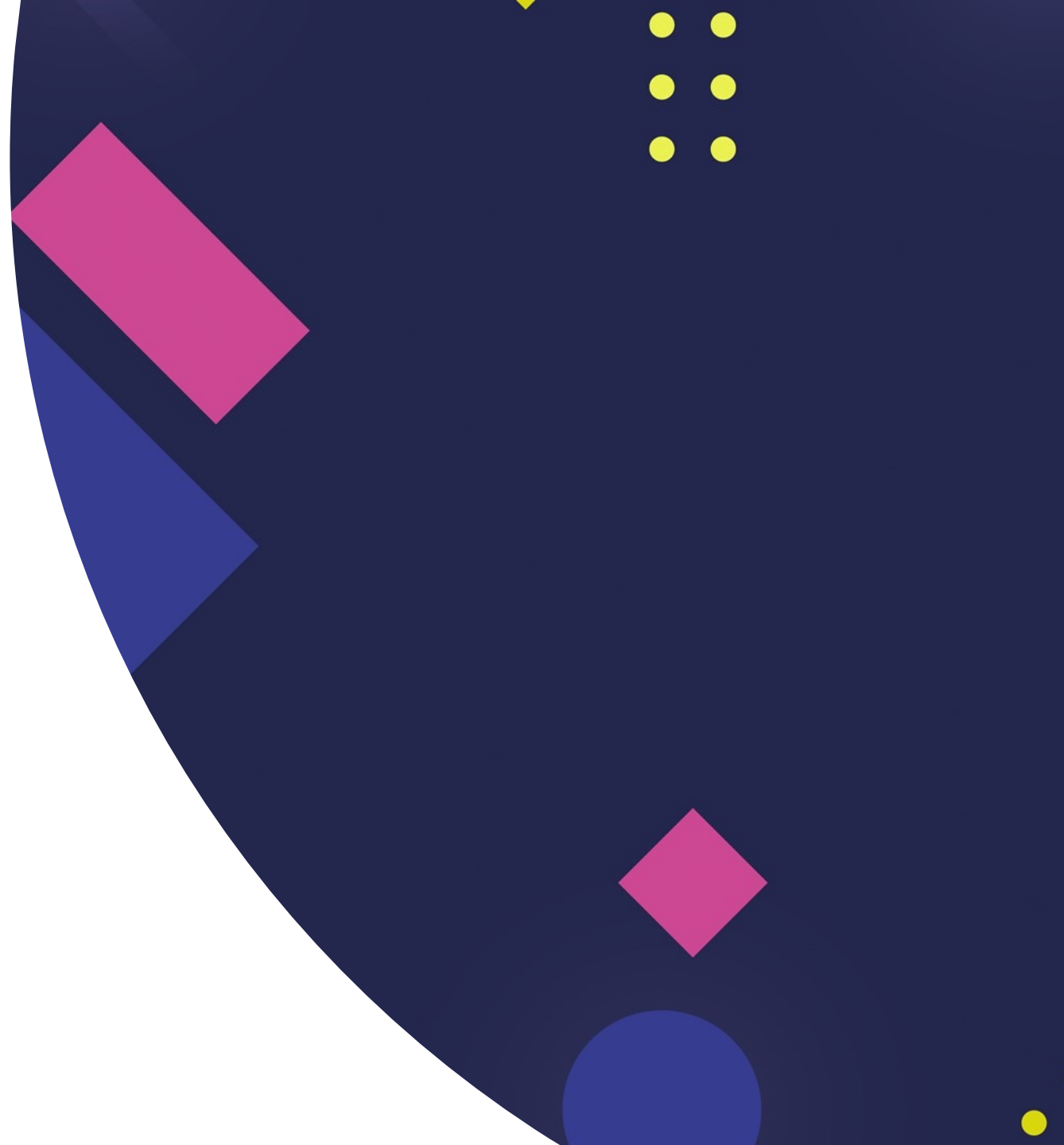
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Project Description

- As we are in the age of information explosion, information and messages have never been easier to access than it is today
- Over the past few years, messaging apps have become the primary pattern of communication for millions of people around the world
- Our Dream Messaging app is primarily designed for private communication between individuals
- It transmits and receives data types of Short Message Service(SMS), images, and files



A dark blue background on the left side of the slide features several geometric shapes: a large pink parallelogram, a blue parallelogram, a yellow parallelogram, a pink diamond, and a blue circle. In the top right corner of this dark blue area, there is a 3x2 grid of six yellow dots.

Tech Stack

➤ Frontend

- Used Material UI and SASS for styling
- Axios - JavaScript library used to make HTTP requests
- Agora RTM SDK – Real-time Message
- Fort Awesome Icons

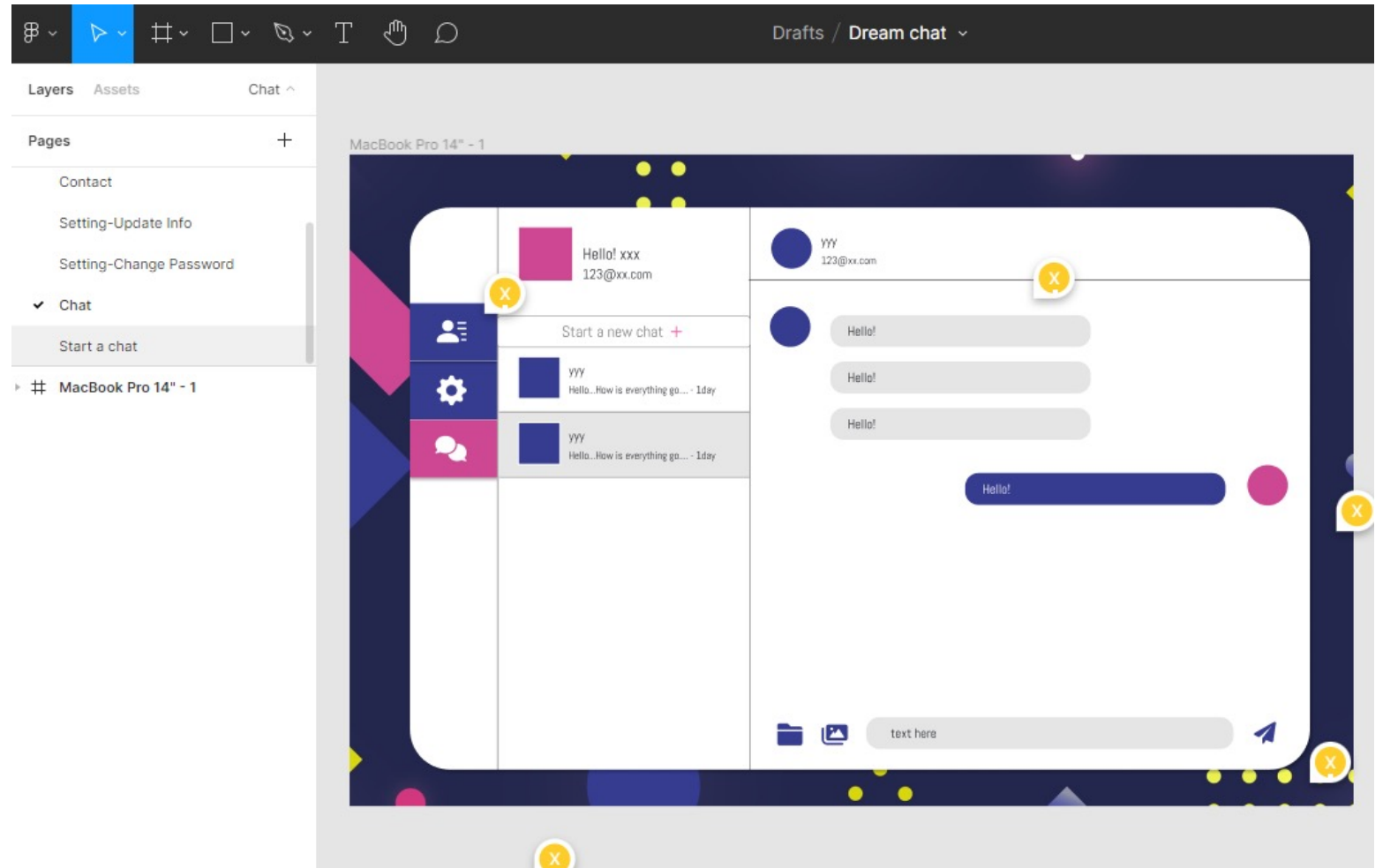
➤ Backend

- Bcrypt - the password encrypt library for password hashing
- AWS S3 Bucket
- MongoDB
- Multer
- Express
- Mongoose

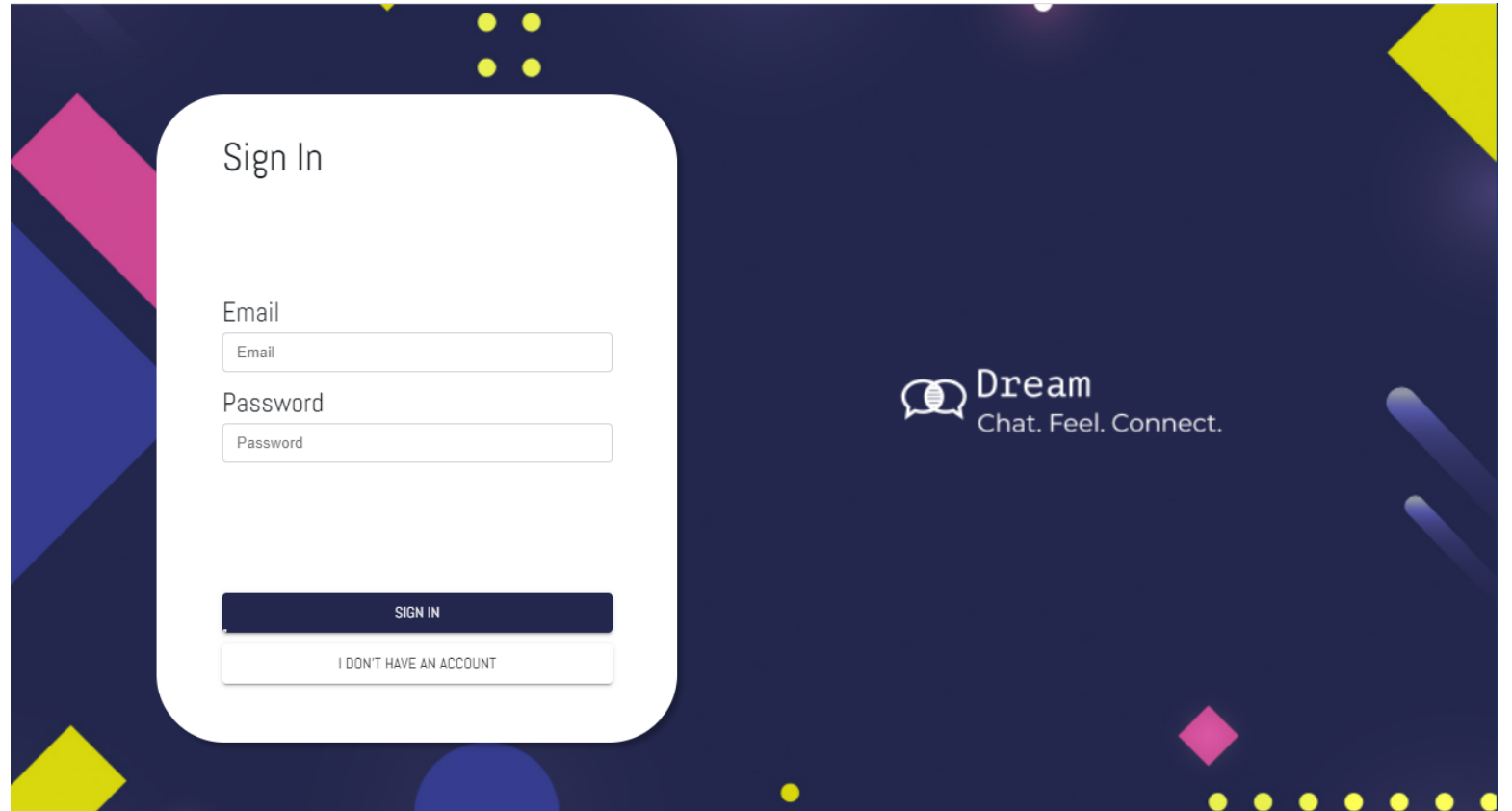
Contributions

- Xinlei Bian
 - UI Design, Image and File Message Bubble, Home Page, Contact Page, Setting Page, Update Information and Logout/Delete account
- Yiqing Huang
 - Backend (User account management, password encryption/authentication, contact relationship maintaining, s3 bucket PUT/GET utilities); Frontend (embed RTM SDK, send/receive message functionalities and its related render logic); Deployment (deploy React APP and backend server to EC2, maintain S3 bucket).
- Haojie Zhang
 - Contact, Update Information Page, Update Password page, Alert Dialog, Start new chat dialog and Search bar, Send image and file button
- Xi Zhao
 - Sign in/sign up page, chat page, chat box, chat list, message list, contact details page, delete contact

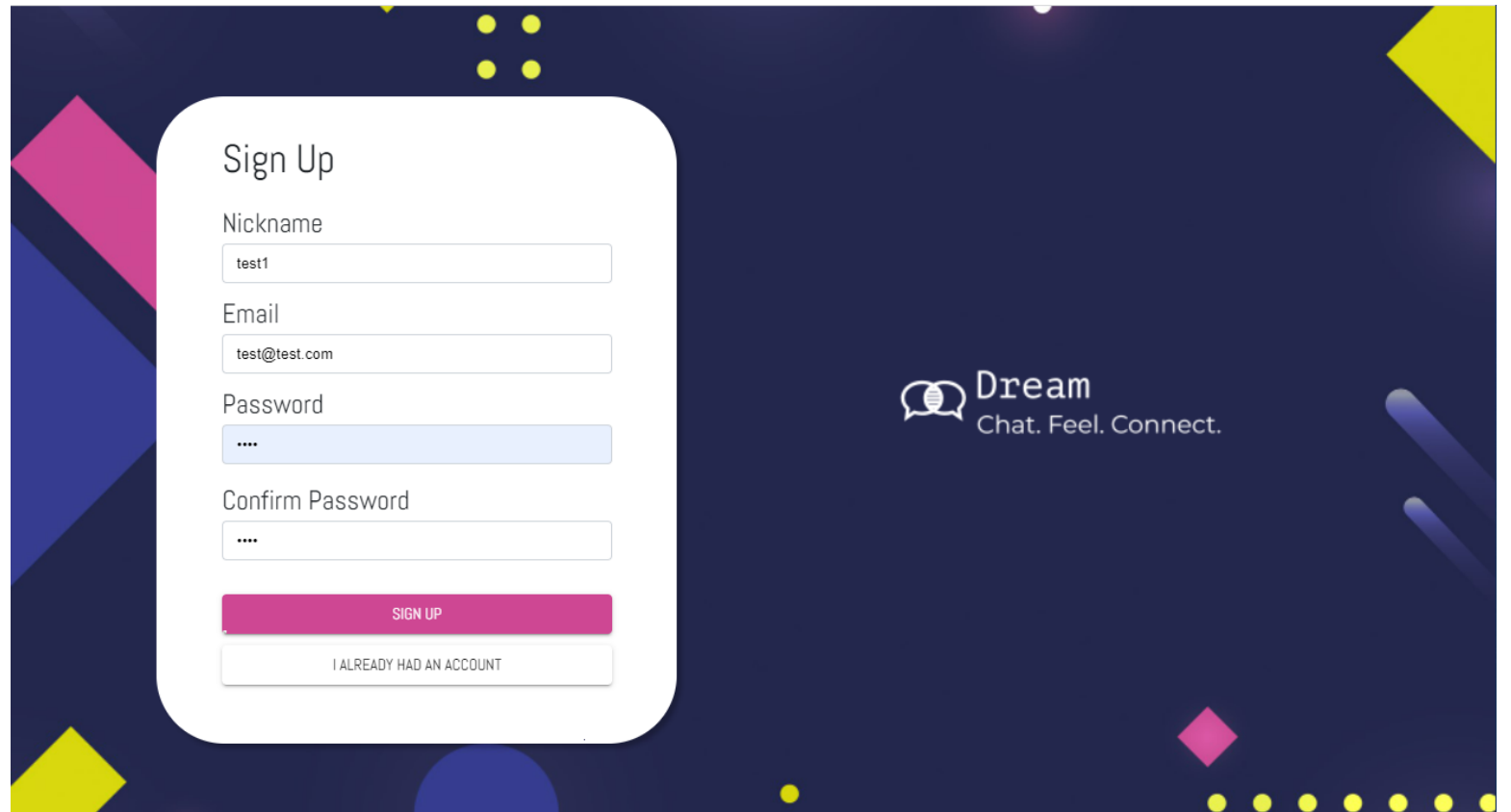
UI Design



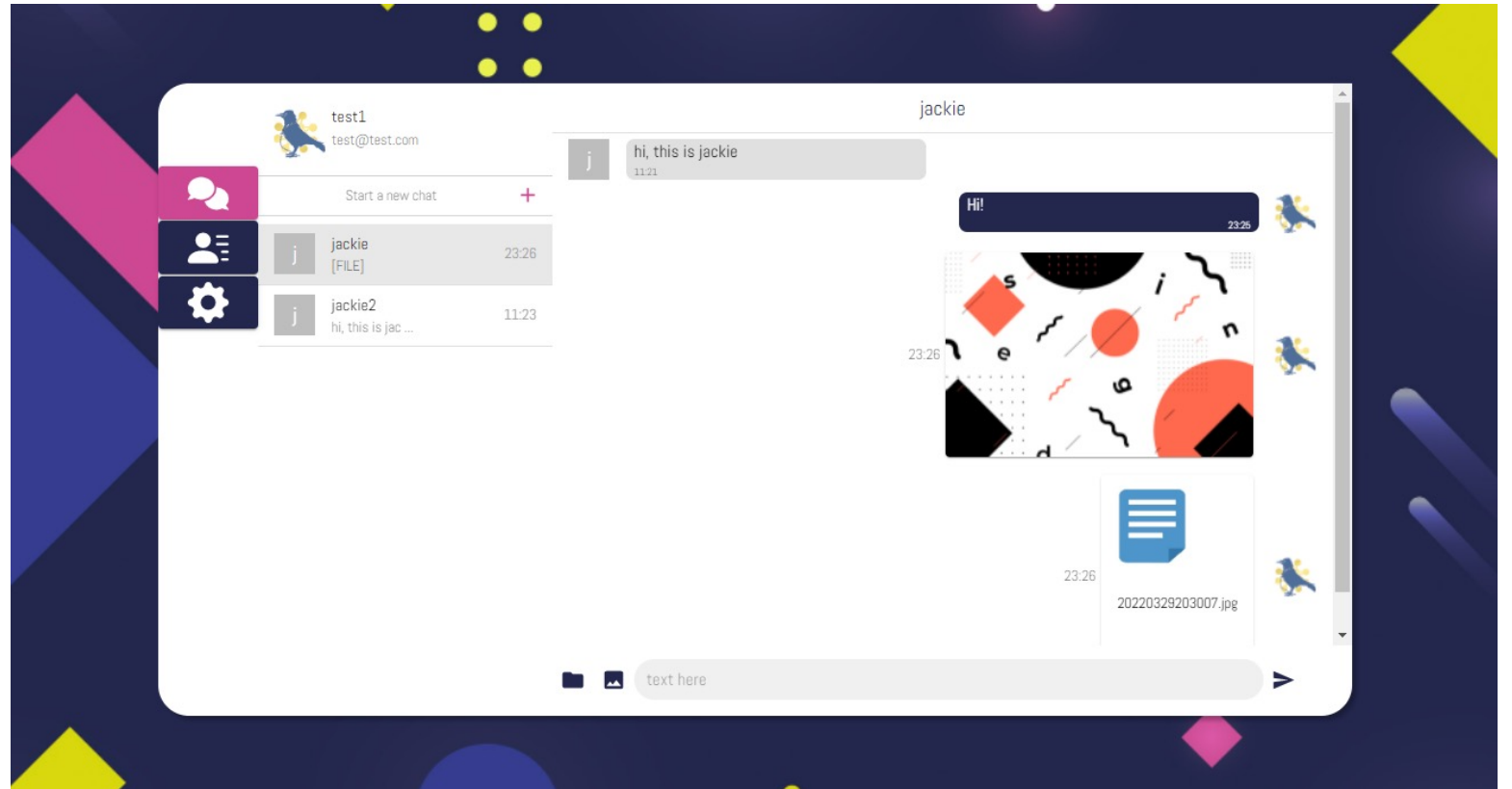
App screenshots



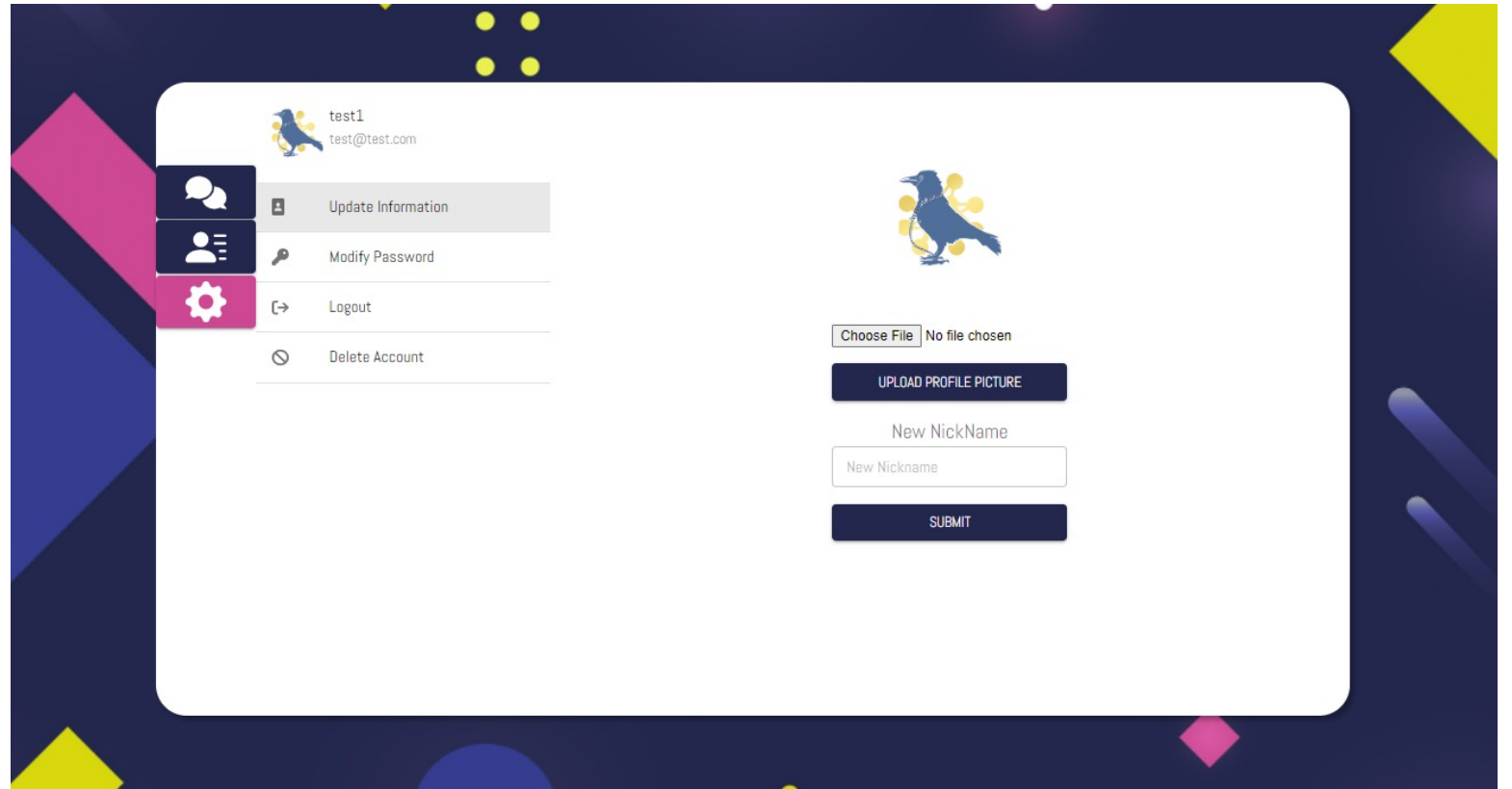
App screenshots



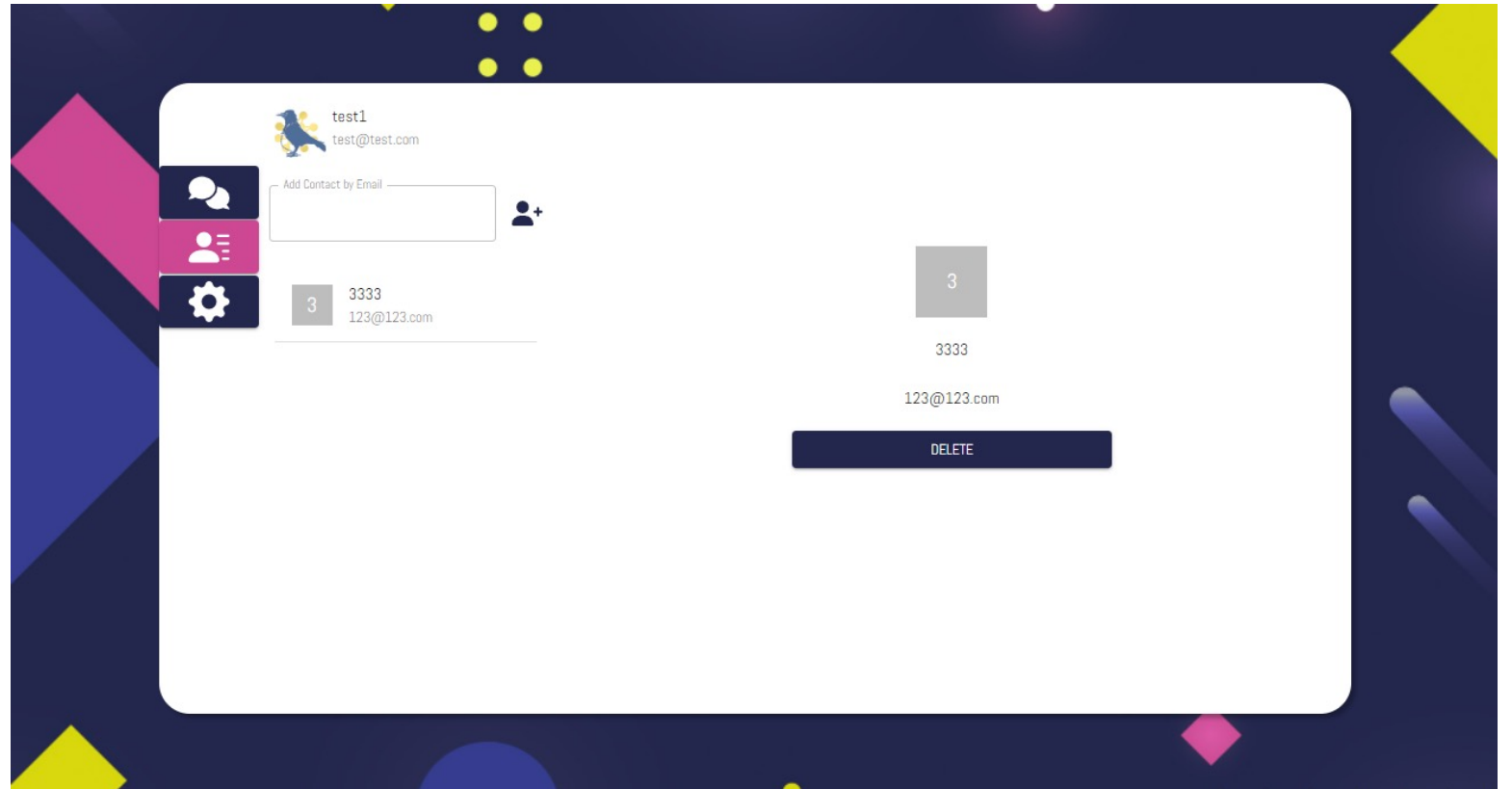
App screenshots



App screenshots



App screenshots



Reference

- https://docs.agora.io/en/Real-time-Messaging/API%20Reference/RTM_web/globals.html#rtm_message
- https://docs.agora.io/en/Real-time-Messaging/API%20Reference/RTM_web/interfaces/
- <https://github.com/AgoraIO/RTM/blob/master/Agora-RTM-Tutorial-Web/src/index.js#L37>
- <https://github.com/AgoraIO/RTM/blob/master/Agora-RTM-Tutorial-Web/src/index.js#L283>
- <https://docs.agora.io/en/Real-time-Messaging/landing-page?platform=Android>

