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add some spice to your life

Level of achievement: Apollo 11

The NUS social app to connect you with like-minded people.

1) Dating

- Meet other NUS students of your preferred gender via a card-based swipe-and-match system
- Matching with other students initiates a conversation for both of you to interact

2) 'Open jios'

- Find other people in NUS who have similar interests to you to attend events together with and explore common interests
- Create open invitations to attend certain events
- Find other people in NUS studying the same course or module to study together with and discuss school work.
- Create group chats to discuss the details of the event and open jio.

Motivation

NUS is a place that thrives with events and opportunities for learning and exploration in a social environment. However, many of us are either unaware of such opportunities, or face the social barrier of not knowing anyone of similar interests to attend such events together with.

Moreover, for the majority of NUS students who don't stay on campus or missed out on orientation camps, it's hard to interact and mingle with other students, particularly those of different faculties.

Our app aims to break down these barriers and enhance the social and academic experiences of NUS students by providing them with a comprehensive NUS-centric social platform for mingling with and finding people of similar interests.

Aim

To facilitate bringing NUS students together for a more close-knit and vibrant student experience.

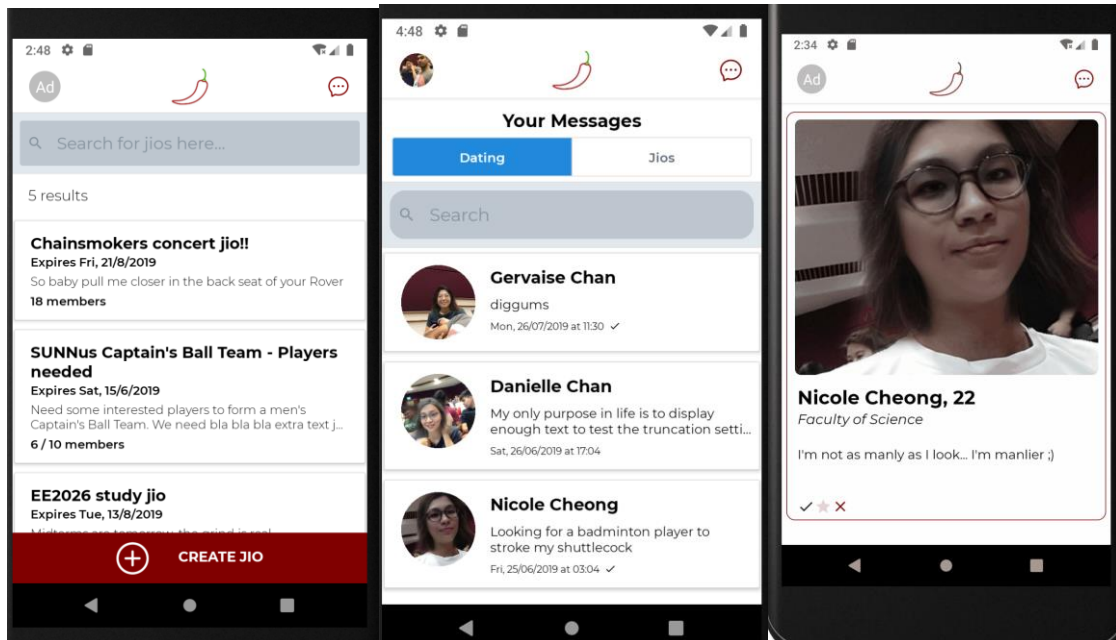
User stories:

- 1) As a student and frisbee enthusiast who stays at home and commutes to school daily, I would like to meet more fellow casual frisbee players in NUS to enjoy a game every now and then and destress.
- 2) As a student who missed out on most faculty orientation camps due to army commitments, I do not have many friends taking the same modules as I do, and I would like to meet other students who do take these modules to study together and motivate each other.
- 3) As a year 4 student who has decided to settle down and start thinking for the future, I would like a medium to meet someone to share my life with.

Scope of project

We will be creating an Android mobile app, using the React Native framework, Firestore database management system and Firebase authentication and file storage system, that provides a medium for swipe-based matching and dating, and an interface to create and accept invitations for NUS-based events and other social events. Users will use their NUSNET ID as a unique identifier to log-in and create accounts.

1. Dating
 - Matches will be facilitated if two users have both swiped right on each other. The match will initiate a conversation between the two users
 - The match will allow both users to view each other's profiles, and provide them both with the opportunity to initiate a conversation
 - This will motivate users to arrange for interaction outside our dating app
2. Event invitations
 - Users will be able to create 'open jios' for events that they want to go to, which allows other users to join their 'jio' to attend that event
 - Jio creators can list details of the event they wish to attend, along with maximum sizes for their jios, if necessary
 - Alternatively, users can just join existing jios for events
 - Users can also create or join 'study jios' which will be sorted according to modules / courses
 - Once a user joins a jio, he can enter the jio's chat room where users can openly discuss more about the event and its details.
3. Messaging
 - Users will be able to view their dating messages and jio group chats in a unified messaging page
 - The messaging page allows you to select whether you want to view your dating messages, or your group chats

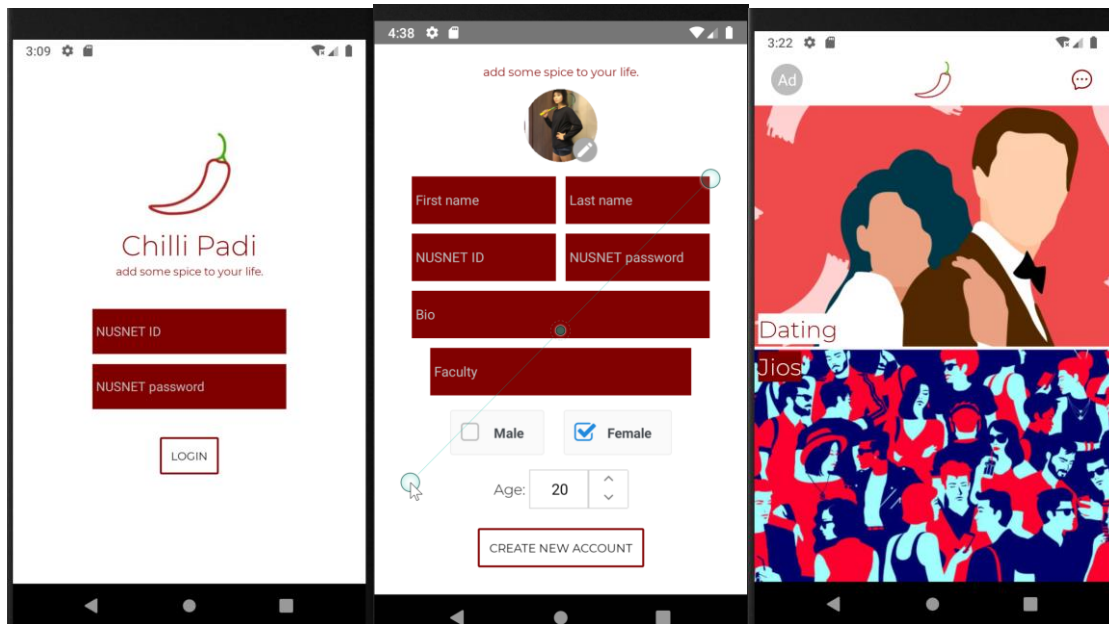


From left to right: the jio system, messaging system and dating system

Unique features: what makes us different from other platforms?

- Dating apps (e.g. Tinder)
 - Unique to NUS students only
 - Students will have the option to limit matches to their faculty
 - Conversations will have a time limit (i.e. conversations will expire after 7 days) to facilitate more rapid interaction
- Event management apps (e.g. Eventbrite)
 - Such apps only display a very limited number of events on their website (many events happening in Singapore are not displayed)
 - Does not facilitate the 'open jios' or open invitations to join an event together with people of similar interests - lacking the 'social invitation' aspect of our app

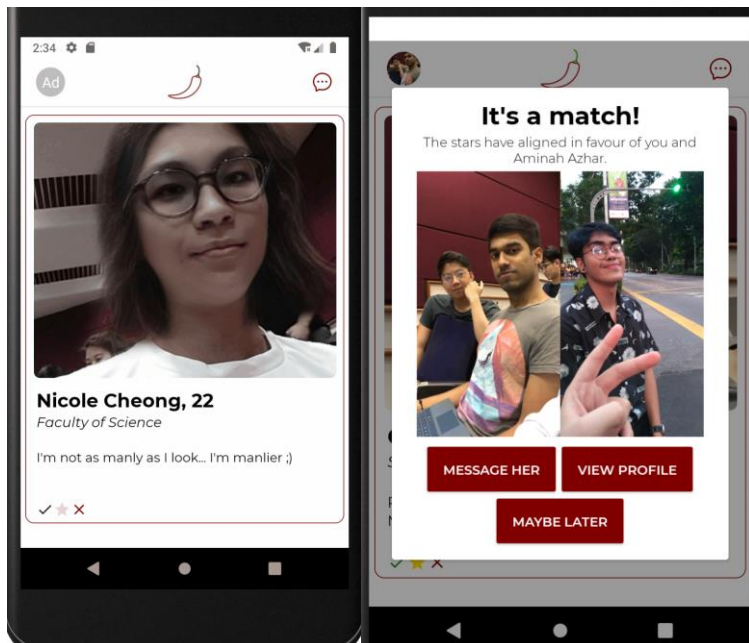
Chilli Padi: the app



The login page, account creation page and home page, which allows you to select between swiping for matches, looking for jios and seeing your messages

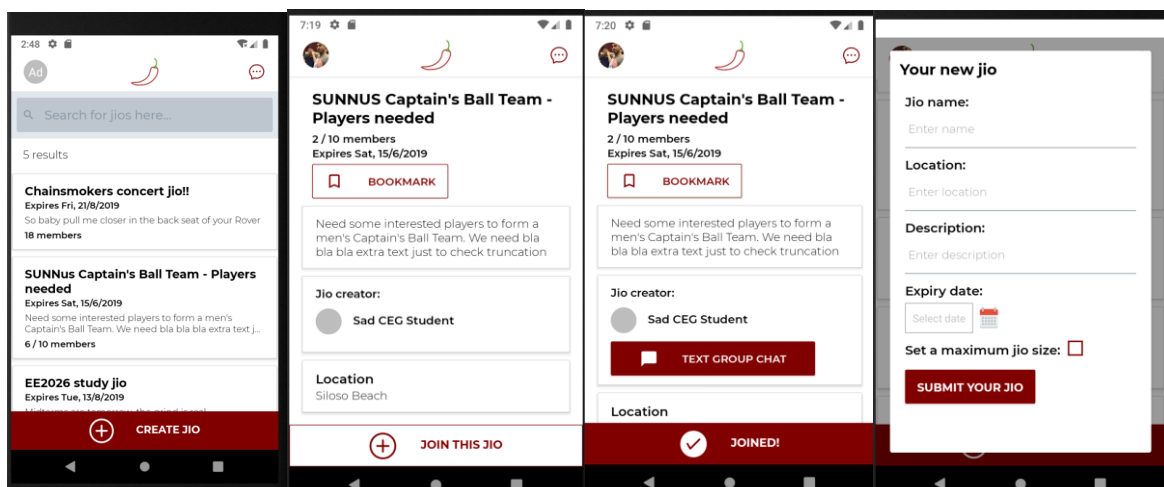
Implementation of features

- Account login, creation and authentication
 - Each person's account is defined by their unique NUSNET ID and password
 - Once a user types in their account details, account authentication and creation is handled through the Firebase Authentication system
 - A user's account stores their full name, NUSNET details, a short bio, their faculty, age and gender
 - Users will be able to view all other user's details, save for their NUSNET details
- Dating: swiping and matching with other users
 - When you swipe right on another user, that user's NUSNET ID is stored under your profile details in the Firestore database
 - That user's profile details are also checked to see if he/she has swiped right on you. If both conditions are fulfilled, a match is created
 - The match gives you the option to view the other user's profile, message the other user or continue swiping



The dating system - swiping and matching

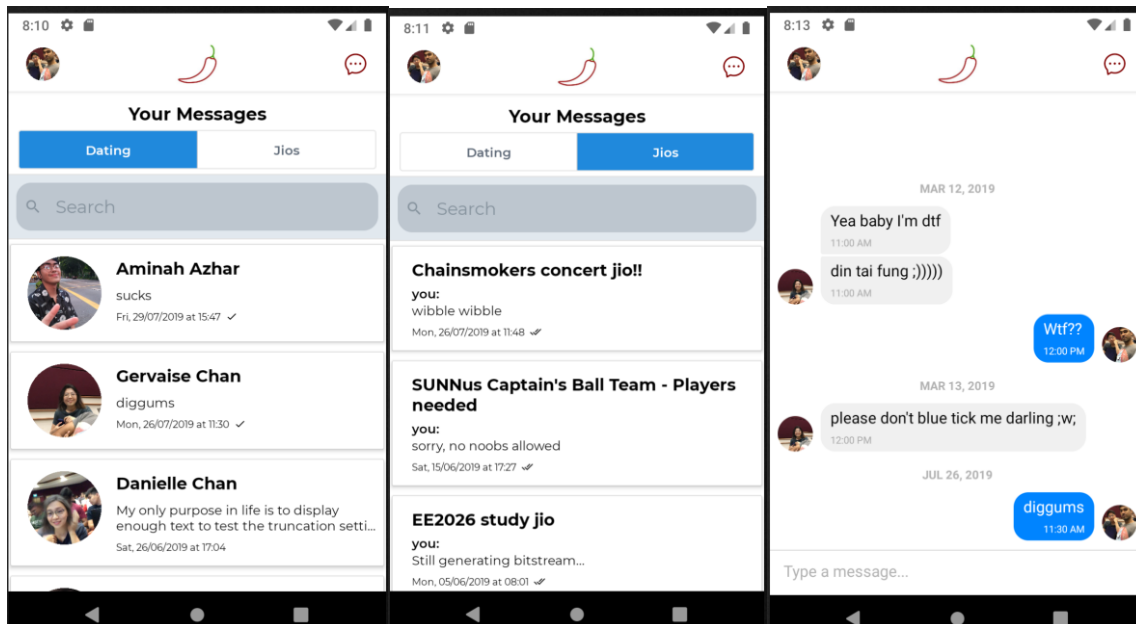
- Jios: creating open invitations and discussing event details with members
 - A user who wants to create a 'jio' can type out the details of the event and publish his open jio
 - The details of the jio will be uploaded to the collection of jios on the Firestore database
 - When other users then look for jios, the app will draw and display all these existing jios from the database. Clicking on the jio will open more details, and an option to join the jio
 - Once a user joins the jio, it opens up an option to join the jio's group chat and discuss jio details



The jio system - looking for jios, joining jios and creating jios

- Messaging: split into Dating messages and Jio chats
 - Depending on the field selected by the user, the Messaging page will either draw all the Dating chats, or all the Jio chats from the Firestore database

- The last message in each conversation will be displayed, with a tick to indicate who the last sender was
- Opening up a conversation will allow you to view all messages, and send a new message into that chat



The messaging system - the dating chats, jio chats and an individual dating chat

Program flow

