

COSC2657 – Android Development

Assignment 3 Proposal

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December 2023

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Application Description

If you ever find yourself struck by someone while walking around campus, RMEET is here to help you. RMEET is a dating app made exclusively for RMIT, aiming to connect students, faculty, and staff in a fun and safe way.

Key Features:

Campus-Centric Profiles:

Some special distinguishing features might include users interests, majors, courses, and their years of study.

Academic Compatibility Algorithm:

Apart from romantic searching, RMEET aims to provide a safe platform to find teammates and friends for students next assignment. Users bio can include majors, classes, GPA, and study goals so the purpose of swiping can be academic as well.

Location Service:

Just like other dating apps, RMEET incorporates location services to prioritize nearby matches.

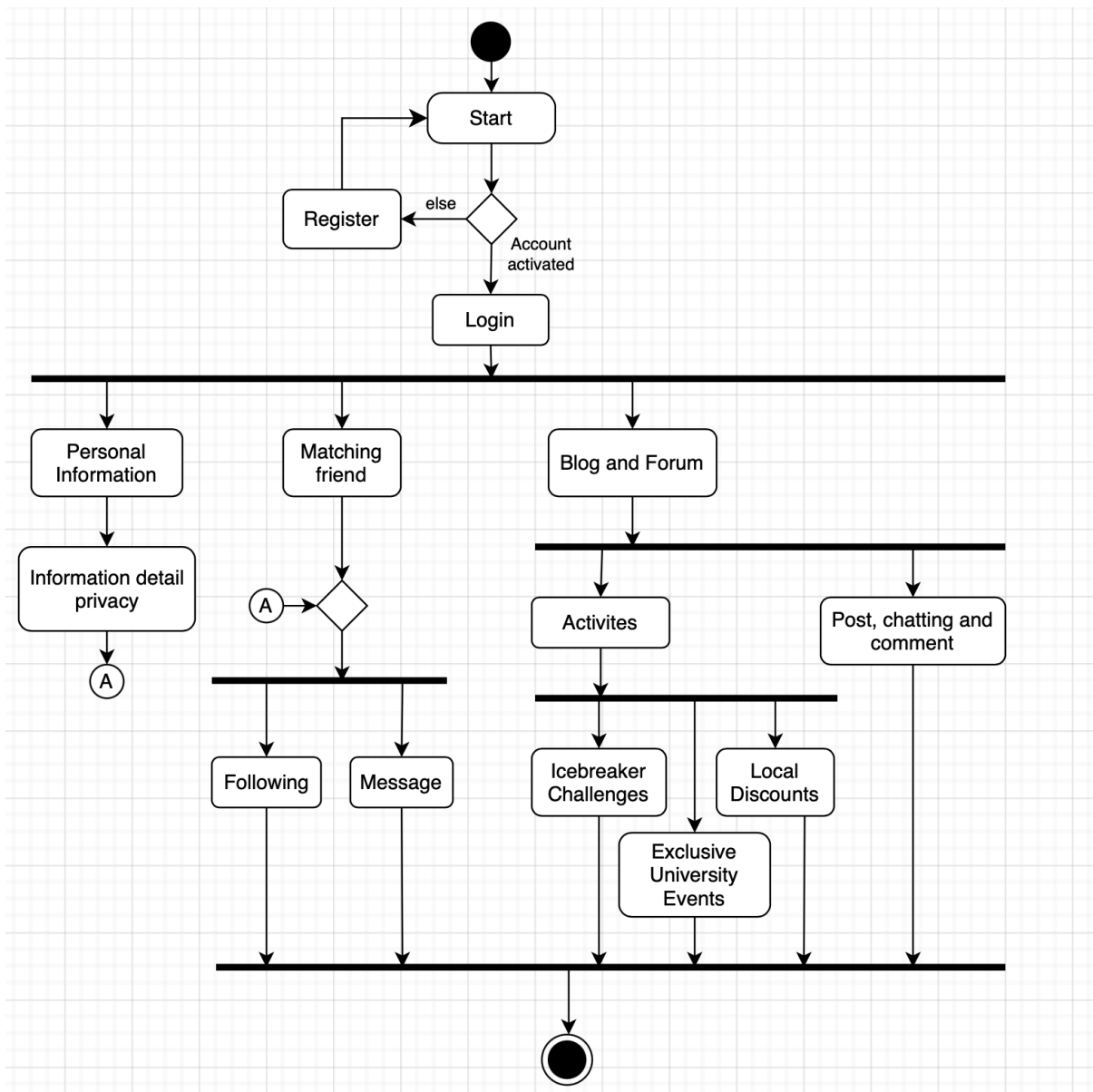
Additional features

Campus Blogs and Forums:

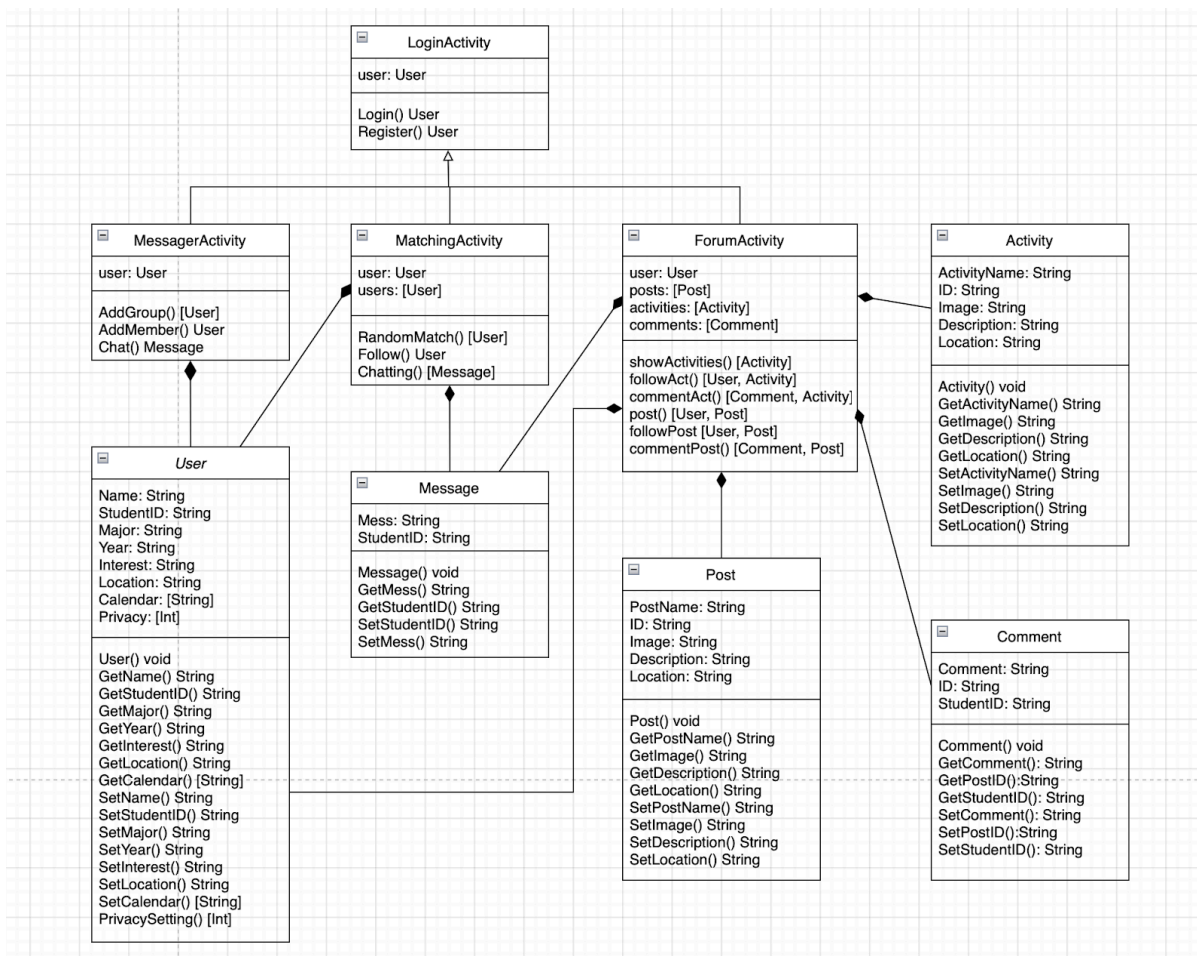
A community blog and forums open for discussion about assignments, and simple Q&A. This feature may use Facebook API from RMIT student Facebook page to scrape for posts.

Join RMEET today and discover a new way to connect with like-minded individuals in your university community!

Application Diagram



Class Diagram



Application UI





Blogs

Android Studio:

We chose Android Studio because it is an integrated development environment (IDE) for developing Android platforms. With comprehensive tools to build, test and debug applications. RMEET is built on Android studio to ensure performance, compatibility and compliance with launch guidelines on Android software phones.

Firestore Authentication:

With our RMEET application, we emphasise high security and safety to protect user information so we choose Firestore for an easy and hassle-free registration and login Process. So this technology ensures the goals we set out to protect consumers.

Google Map API:

For the purpose of safe meetings, we use the safety features of the Google Map API to identify and display high traffic areas and areas that ensure consumer safety. This will help consumers plan safe first meetings to create an impression of the RMEET app.

Custom Algorithms:

With RMEET we use custom algorithms developed on Android Studio to evaluate academic

compatibility. Algorithms must analyse users' majors, classes, and study habits as well as their personal habits to produce results.

Push Notifications:

We aim for high consumer engagement and information, which our RMEET app will push through Firebase Cloud Messaging (FCM). Users receive timely updates on matches, event invitations and other related activities for the most comfortable and enhanced user experience.

Customizable Privacy Settings:

App privacy settings are implemented using Android Studio components, allowing users to have granular control over the information they share. This ensures that users can tailor the experience to their comfort level, promoting a safe and respectful environment.

Networking Components:

With the RMEET app, we use Android Studio components to enable seamless communications between users. This ensures real-time updates, smooth messaging and efficient data exchange, creating comfort, flow and most importantly, always giving users a feeling of enjoyment.

In-App Challenge and Forum:

The Icebreaker Challenge and Campus Blog/Forum are implemented using Android Studio components to provide users with engaging, interactive features. These elements contribute to a heightened sense of community, making the app more than just a dating platform but also a space for shared experiences and conversations.