

Minutes of the First Client Meeting

Trace Alert - Team 27

Tuesday 9th March 2021

1. Meeting Participants

Client	Nick Falkner
Team members	Xilin Huang Xuesong Ji Kaiyang Xue Yumeng Zhang

All team members were present at the meeting.

2. Time and Place

The first client meeting for Trace Alert project was held on Zoom at 3:00pm on Tuesday 9 March 2021.

3. Requirements Elicitation

The App should be able to:

- Advertise the user's presence to phones running the App in the area.
- Keep a record of people that have been around the user.
- Record the total number of direct and indirect contacts as well as construct a tree of those contacts.
- Have a QR code to indicate whether the user is at risk. If the user is safe, the QR code remains green; otherwise, it turns red.
- Determine whether the user is at risk based on the total number of direct and indirect contacts as well as how many tiers below indirect contacts at higher risk are located in the tree. The thresholds used for these two indicators are based on the Covid risk level published by SA health. The higher the risk, the lower the threshold should be.
- Alert relevant people using text messages if a user is determined to be at high risk. A good propagation algorithm should be adopted to pass information around in the tree.

4. Tasks

- Prepare a project description
- Prepare an App mockup

- Determine the application platform and the programming languages/tools/frameworks to use
- Prepare a project plan, including the project management timeline and task allocation plan.

5. Adjournment

The meeting finished at 3:30 pm.