

## PROJECT PROPOSAL

Project: Etoet

Course: Programming Exercise

To Prof. Hieu,

Etoet is a locational application that allows users to connect the others and locate them. It is also a useful tool for users who need emergency assistance by locating nearby users and notify them.

This application may have two (2) interfaces:

- User Interface
- Admin Interface (optional)

Users after having successfully registered will have to give our application permission to use their system's GPS and notification.

User when using this application can:

- Locate themselves and the others after having a connection by using the "add friend" feature.
- Emit an emergency signal with 2 options: for connected users or all users.
- With option for connected users: only connected users connected with the signal's owners will see their location.
- With option for all users: all Etoet's users will be able to see the location and the signal of the signal's owner. (This is a bit more dangerous and should be used with care)
- After solving all the problems needed, the signal's owner can disable the signal.

Admin has the following ability(s):

- Users management.

Etoet will calculate the nearest distance of users around the signal's owner and notify them to take appropriate action.

The app will be cross-platform on Android, IOS and web with native performance by using the Flutter framework, the coding language will be dart. Our main focus will be on the IOS and Android platform with the website being additional.

Our team operates according to the SCRUM - AGILE framework, with every sprint lasting one week. Our backlog is kept by using Trello - kaban board.

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