SOS_app

Use of the app

The app is built for the purpose of providing an SOS feature that the user can use when the user is in a dangerous area, if they get in trouble. It can be used by women, children, people from minority groups, those who face hate in the community and could be targetted

Description of the app

•When the user first uses the app, they are required to add atleast 1 emergency contact and give permissions for SMS and location.

•When the user gets in trouble, they can either click on the button or shake the phone. An SMS will be sent to their emergency contacts with a google maps link of their current location.

•If the user is sure that they are going to a safe place and phone might shake even if there is no trouble, user can turn off the shake detector in the settings.

•The content of the SMS and background color of the app can be changed based on the user's preferences.

Concepts used

•Sensor Event Listener for detecting shaking of phone
•Location Listener for getting current location of the user
•SMS Manager for sending SMS when user finds trouble
•SQLite Database to store emergency contacts of the user
•Shared preferences to store user's preferred appearances of the app
•Recycler view to list contacts