

# BASIC DETAILS OF THE TEAM AND PROBLEM STATEMENT

PSID: 1

Problem Statement Title: New Age Women Safety App

Team Name: Hackers

Team Leader Name: Dilip Patel

Institute Code (AISHE):

Institute Name: Sardar Patel Institute of Technology



# IDEA/APPROACH DETAILS

- AlertHer App uses mobile sensors (audio, motion, GPS) to detect user safety risks.
- The app uses machine learning to analyze audio data and identify dangers.
- The app triggers different SOS alerts depending on the situation with the user's data to emergency contacts upon detecting danger.
- The app has an SOS button and a helpline to contact emergency services.
- Nearby users will get notified about SOS trigger. Also user will see nearby users.
- AlertHer app tracks safe routes(geofencing) and shares location with emergency contacts.
- The app offers safety guidelines including emergency handling and self-defense and safety techniques using OPEN AI API.
- The app ensures responsible handling of user data with priority on privacy and security.

# TECH STACK

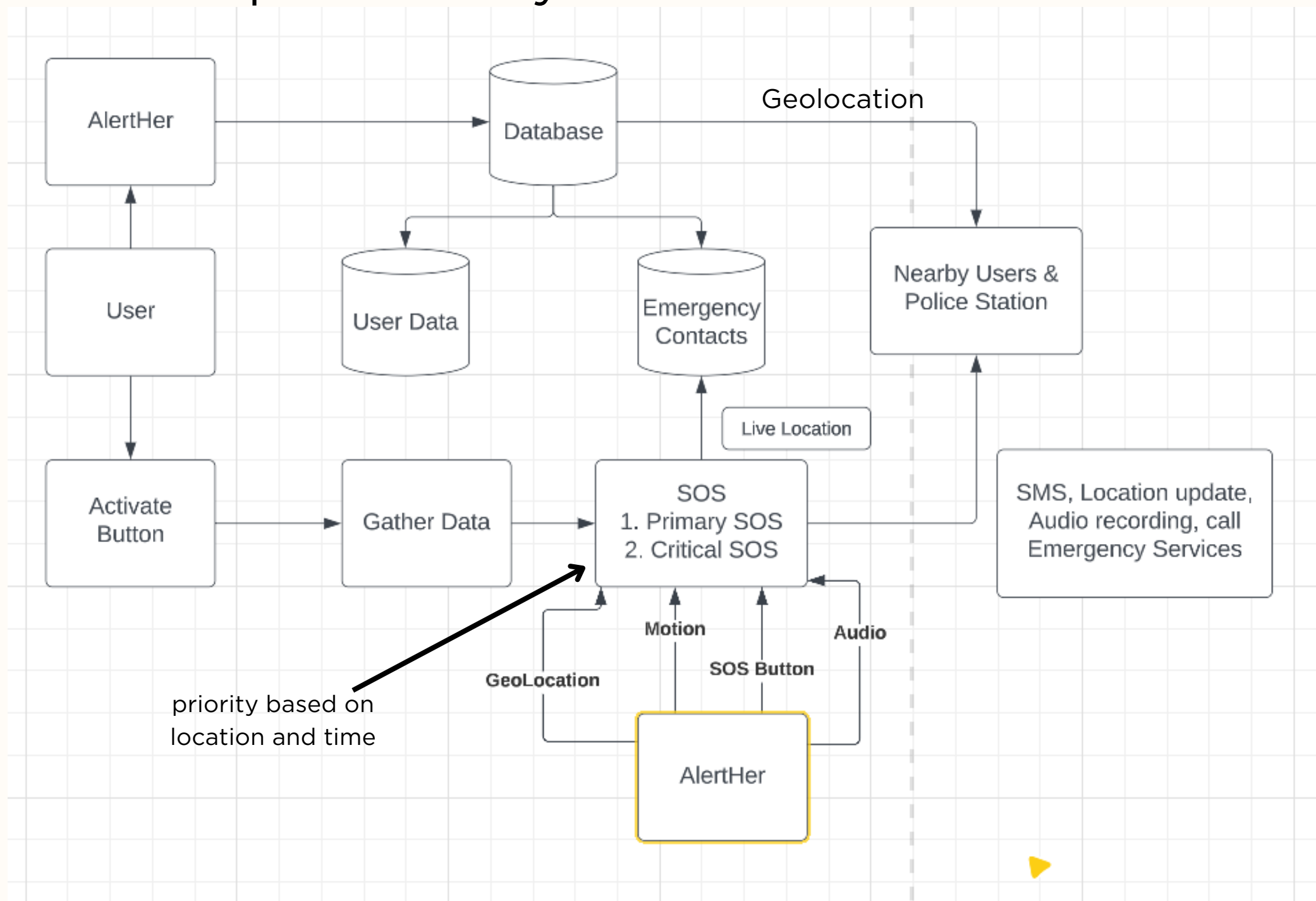
- Flutter
- Firebase
- Machine Learning/ Deep Learning

# FUTURE SCOPE

- Bluetooth Device SOS alert.
- Fake phone turn off
- Instructional videos & informational portal
- Personal Customer Service

# Use cases

- Women is under threat
- Travelling alone at night
- Domestic violence
- Work place Safety



# Limitations

- Network Connectivity issues
- User is unable to click the SOS button
- Privacy Concerns
- Low Battery on Device
- False alarms

# Dependencies

- Access to Mobile Device Sensors
- Permission to Location Services
- Network Connectivity

## Team Member Details

Sr. No.	Name of Team Member	Branch (Btech/Mtech/PhD etc):	Stream (ECE, CSE etc):	Year	Position in team (Team Leader, Front end Developer, Back end Developer, Full Stack, Data base management etc.)
1	Dilip Patel	B tech	Comps	TE	Team Leader
2	Y V Satyasri Kaveri	B tech	IT	TE	ML/DL
3	Shubham Golwal	B tech	Comps	TE	UI/UX, Front end development
4	Richie Thakkar	B tech	IT	TE	Front End Development, Database Management
5	Arjun Nair	B tech	IT	TE	Backend development
6	Pratik Pujari	B tech	Comps	TE	Android development

