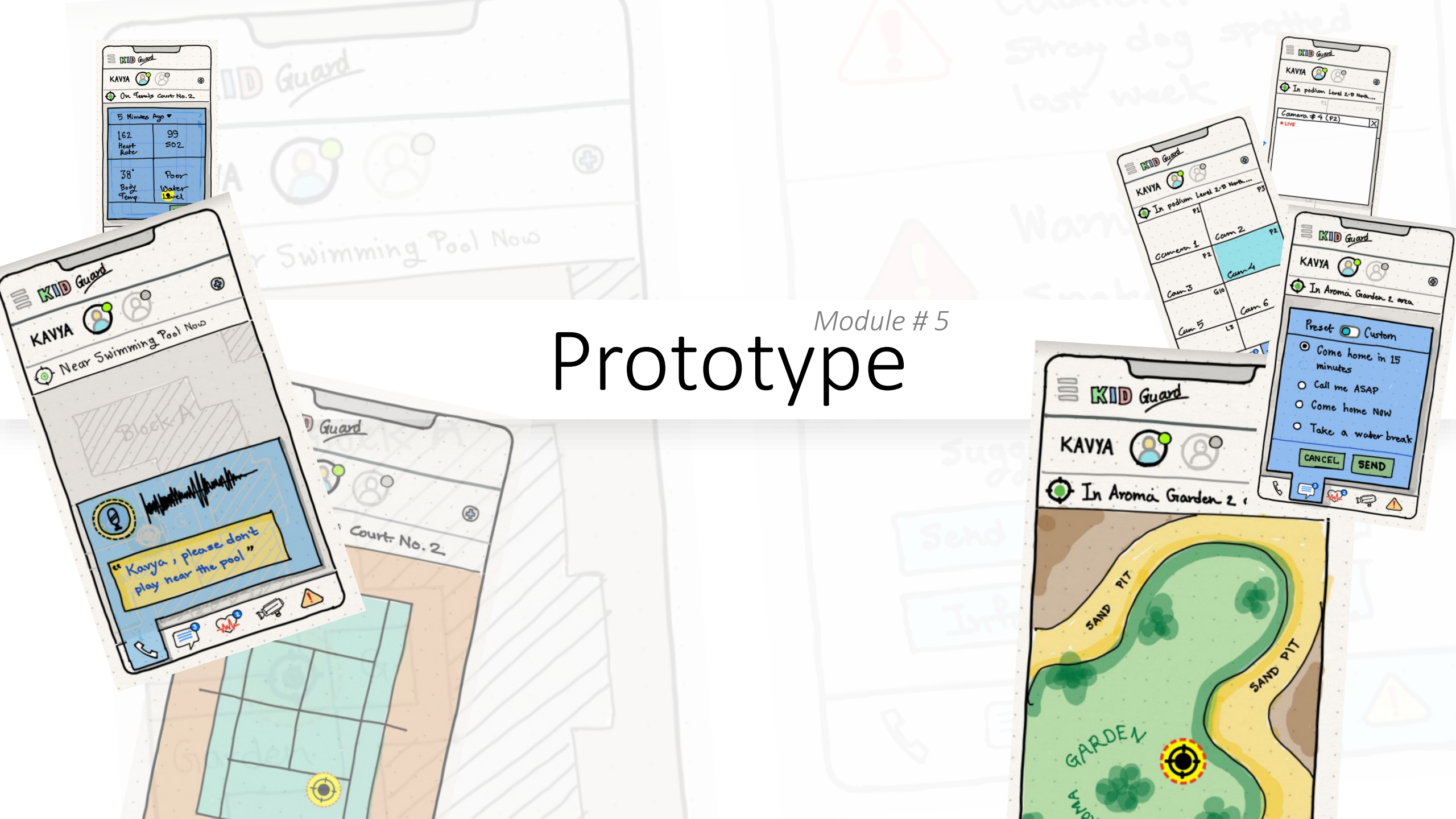




Module # 5

Prototype

Innovation Challenge

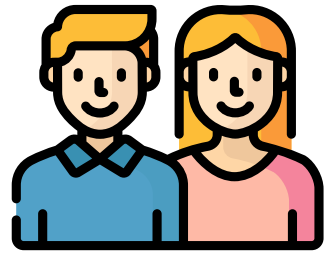
“How might parents ensure that their kids in/around their residential complex would be safe & secure from threats or dangers!”

PoV

“**VIKRAM**, a busy manager, **NEEDS** a safer and secure environment for his kids while they are in the society premise **BECAUSE** he wants protect his kids from any safety and security threats”

Prototyping Ideas

- Wearable device with sensors
- GPS tracking feature
- Quick communication (Kids - parent)



Parents

Problem identified

- Difficult to **trace** the kid on a particular point
- **Monitoring** activities of their kids and where about at a given time
- Identify the prospective **danger zone/ areas** in the premises is challenging as there is not concrete system for that now
- **Establish** quick **communication** with kids is challenging as parents don't know where to find them



Devices: Wristband, Sensor enabled stickers

Non-Interactive

Elements

Button: Would consist of two buttons to use the device. One enables the wearer to send SoS message (with audio after long press). Second, to interact with message and other features

Display: Would help the user to see any text forwards or icons for messages, reminders, alerts and other info graphic.

Mic: Enables the users to speak directly with parents

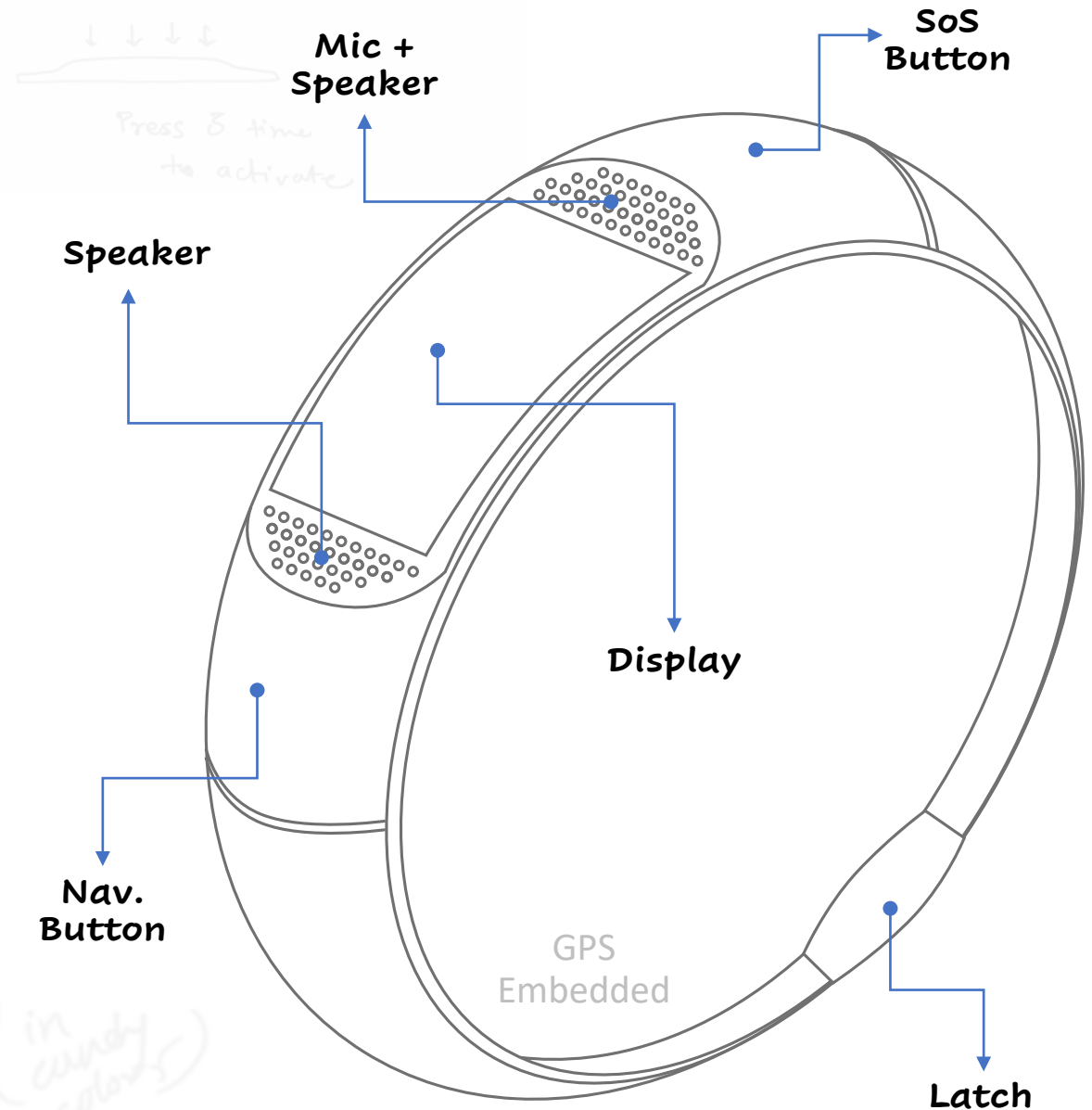
Latch: PIN or password protected to be opened by parents only. Ensures that the device is not removed without permission and generated security alert of removed or cut with out authorization.

Idea:

- Wearable device with sensors
- Location tracking feature
- Give the kids SoS button

Problems addressing:

Location tracking, broken communication, exposure data, lack of SoS/ help



Devices: Cell phone, Tablet, Desktop

Interactive

A Common Scenario

It's a busy Monday afternoon and as usual, Vikram is very busy with the office meetings and so is his wife Renu.

After some time, they realize that their seven-year-old daughter Kavya is not in the home and he checks with Renu to learn that Kavya has gone downstairs some time ago.

Its almost one and half hour now (1:00 pm) and he feels the need to check about Kavya.

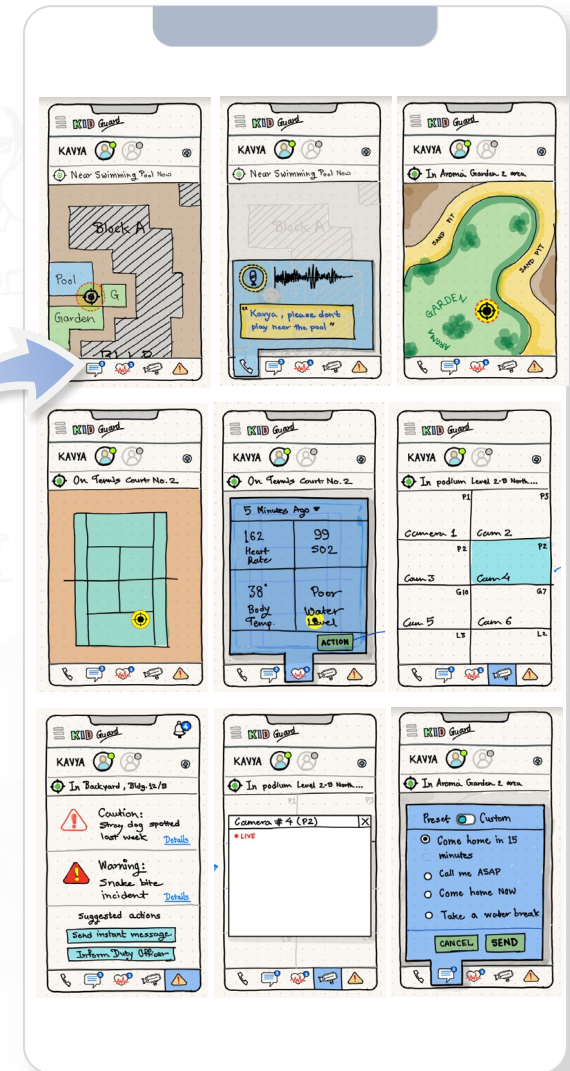
Vikram promptly opens the **KID Guard** application on his cell phone to check Kavya's whereabouts.

Idea:

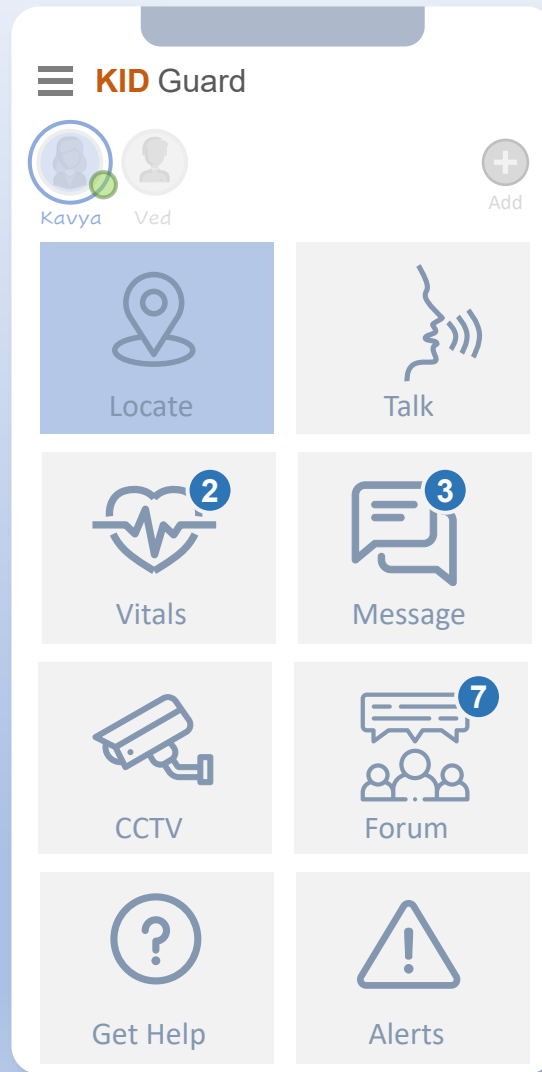
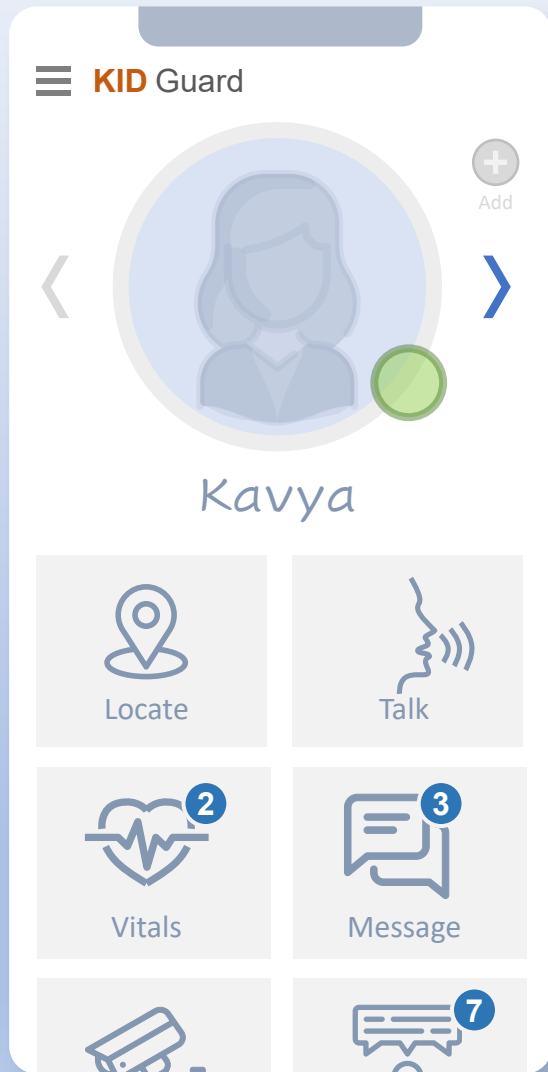
- A platform for Parent to get better control and monitor their kids
- Quick communication (Kids - parent)

Problems addressing:

Complex multi-point system,
no-platform to collaborate
and communicate for parents



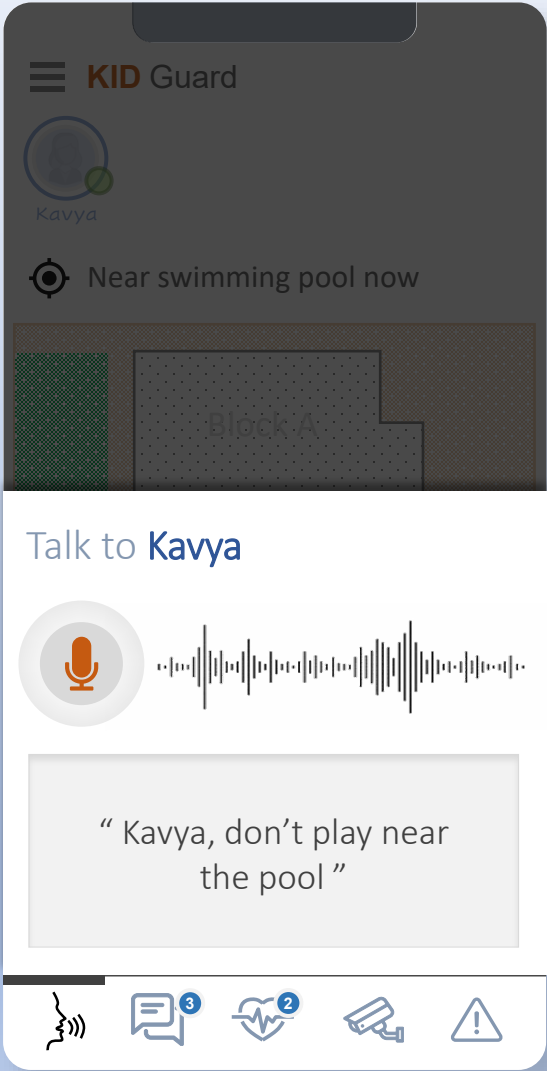
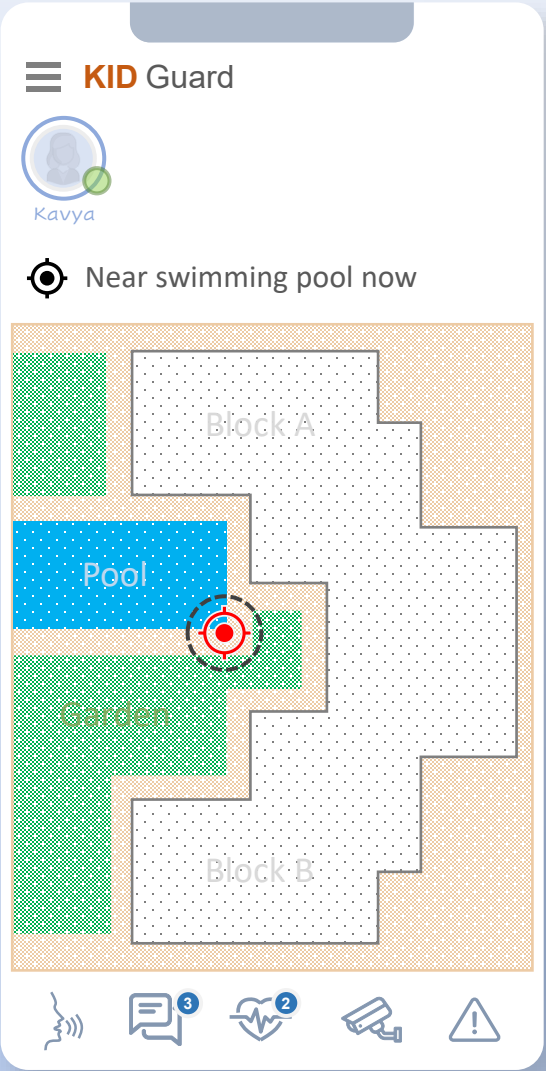
Application home screen



Interaction - Swipe & Tappable:

Tap **Locate** tile to see details
Swipe up to explore more menu

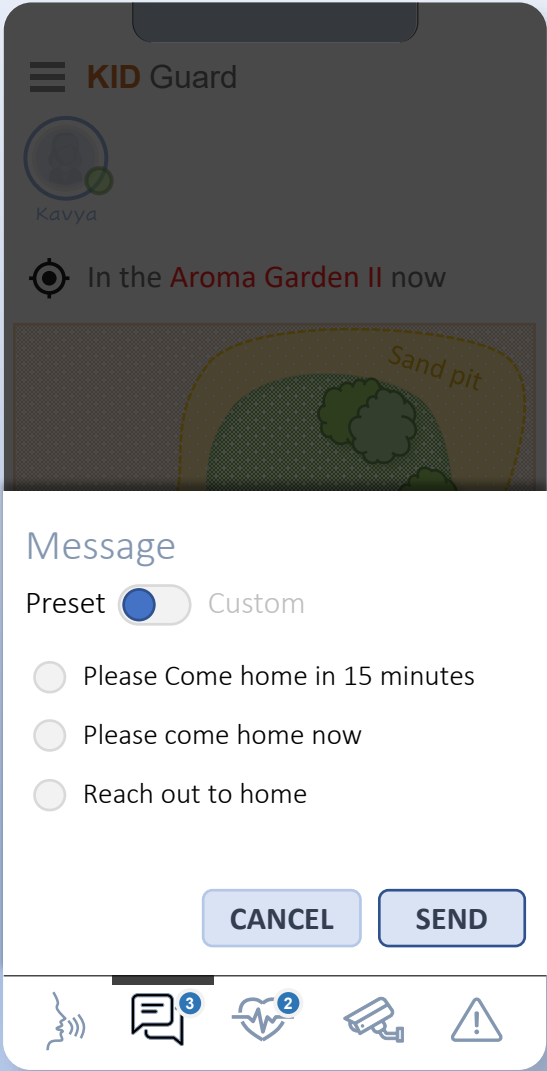
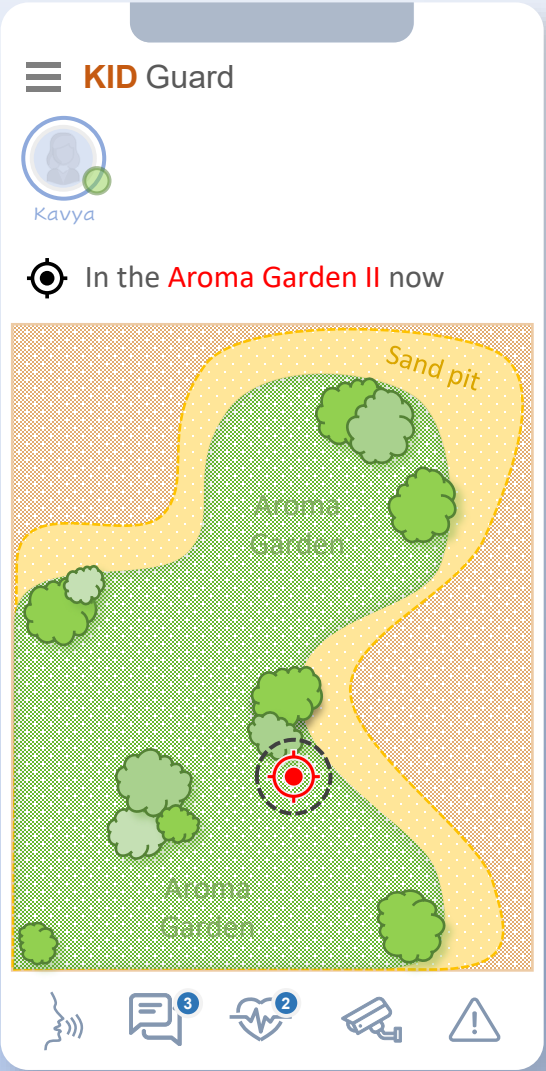
Location



Interaction - Swipe & Tappable:

Tap **Talk** tile to send instant audio message

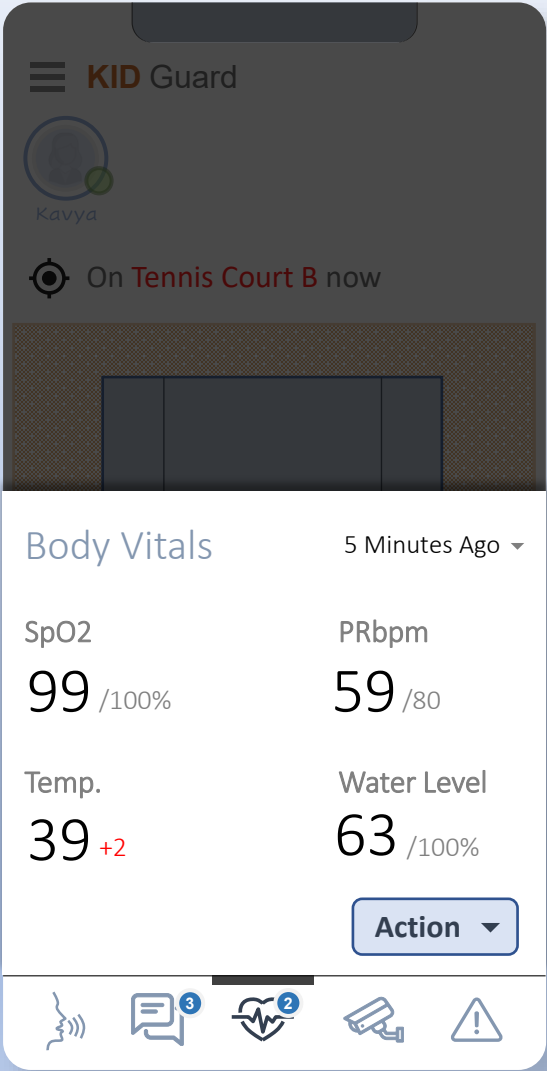
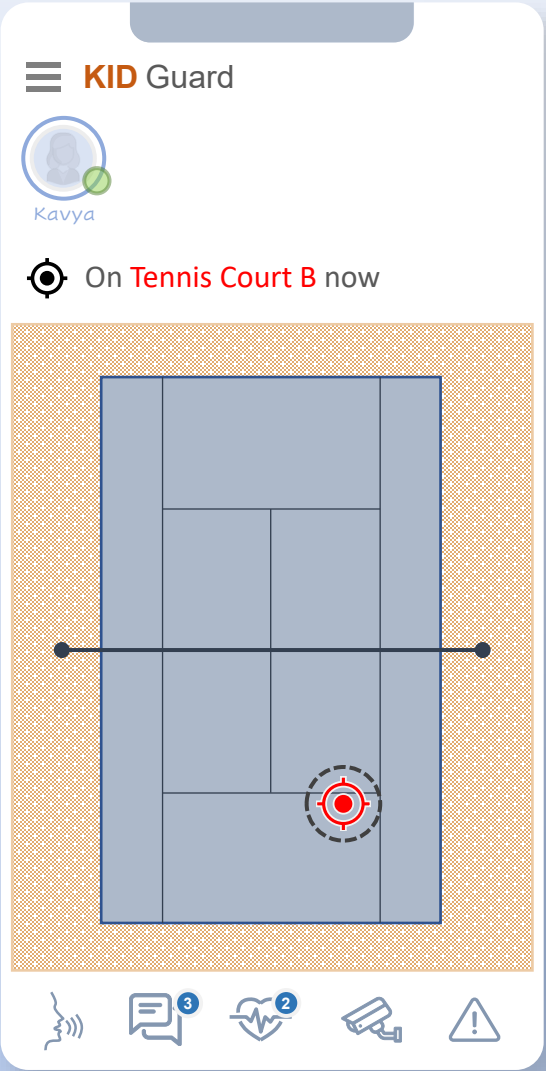
Quick Message



Interaction - Swipe & Tappable:

Tap **Message** tile to send pre-set text messages quickly

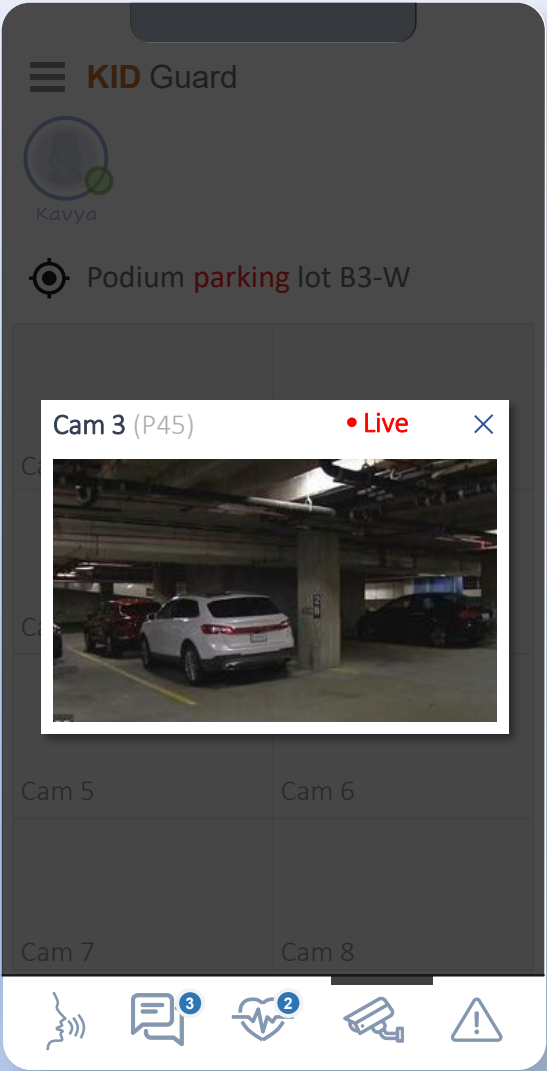
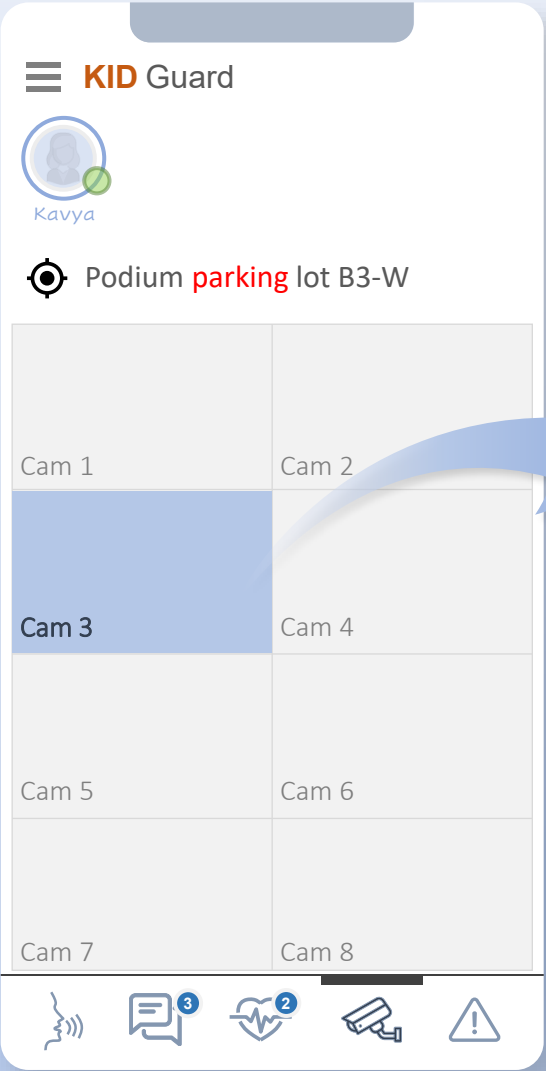
Body Vitals



Interaction - Swipe & Tappable:

Tap **Vitals** tile to see your kids body vitals and take appropriate action as required

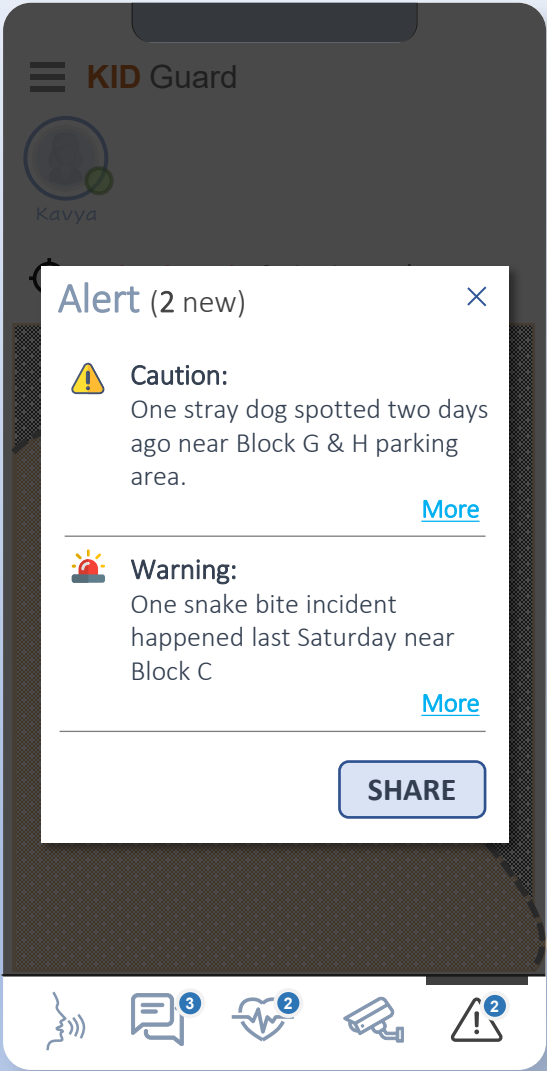
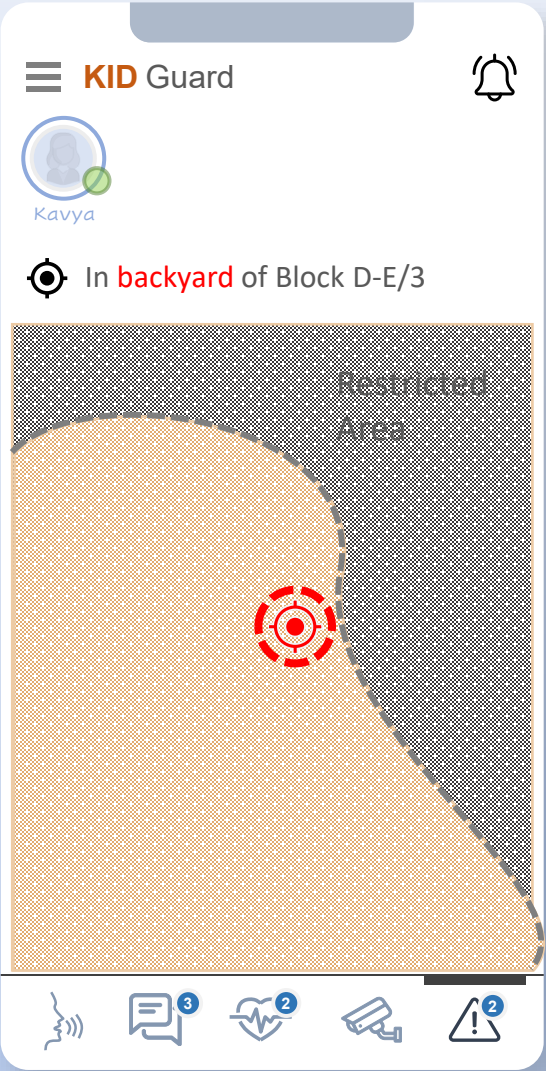
CCTV Monitoring



Interaction - Swipe & Tappable:

Tap **CCTV** tile to see available CCTV live view from your residential complex

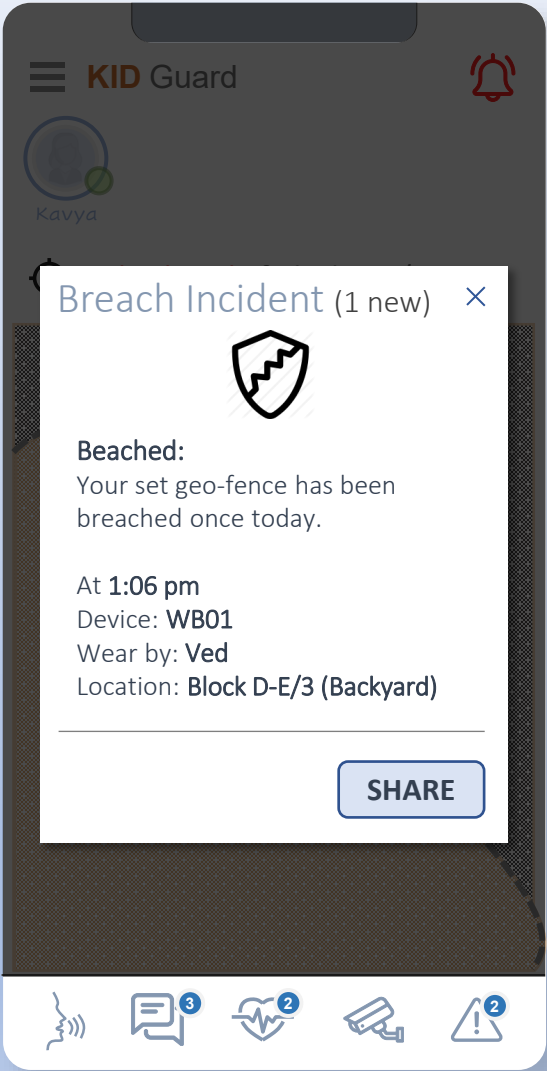
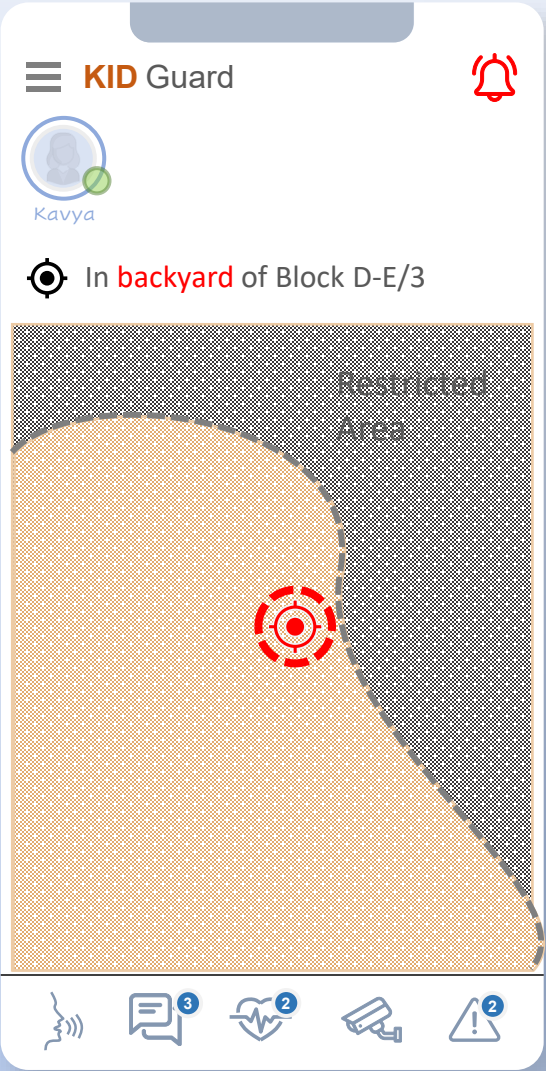
Alerts



Interaction - Swipe & Tappable:

Tap **Alert** tile to see any alert details

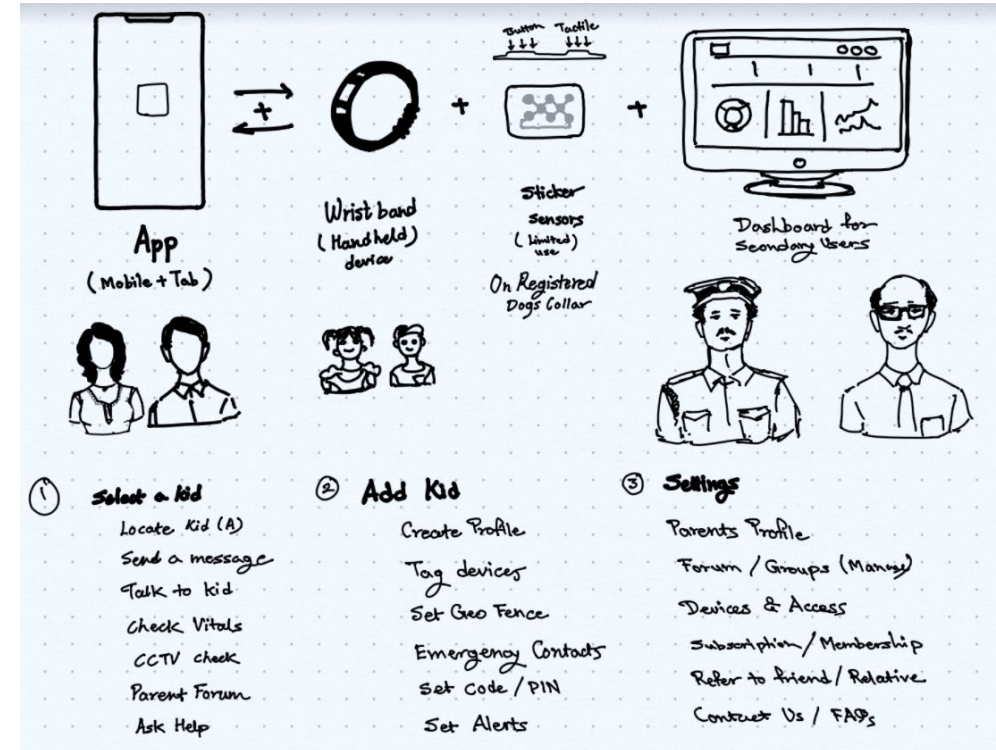
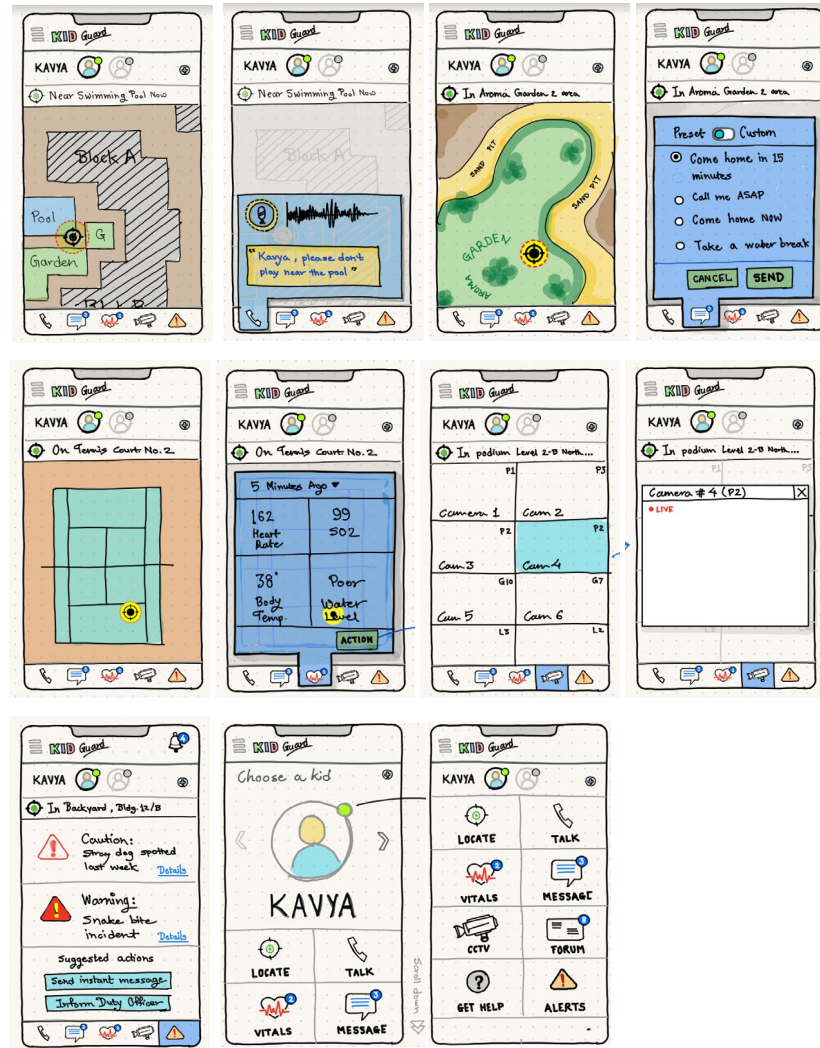
Geo-fencing



Interaction - Swipe & Tappable:

Tap **Bell** icon to see any instant warnings about device status or breaches

Rough sketches



Thank you.