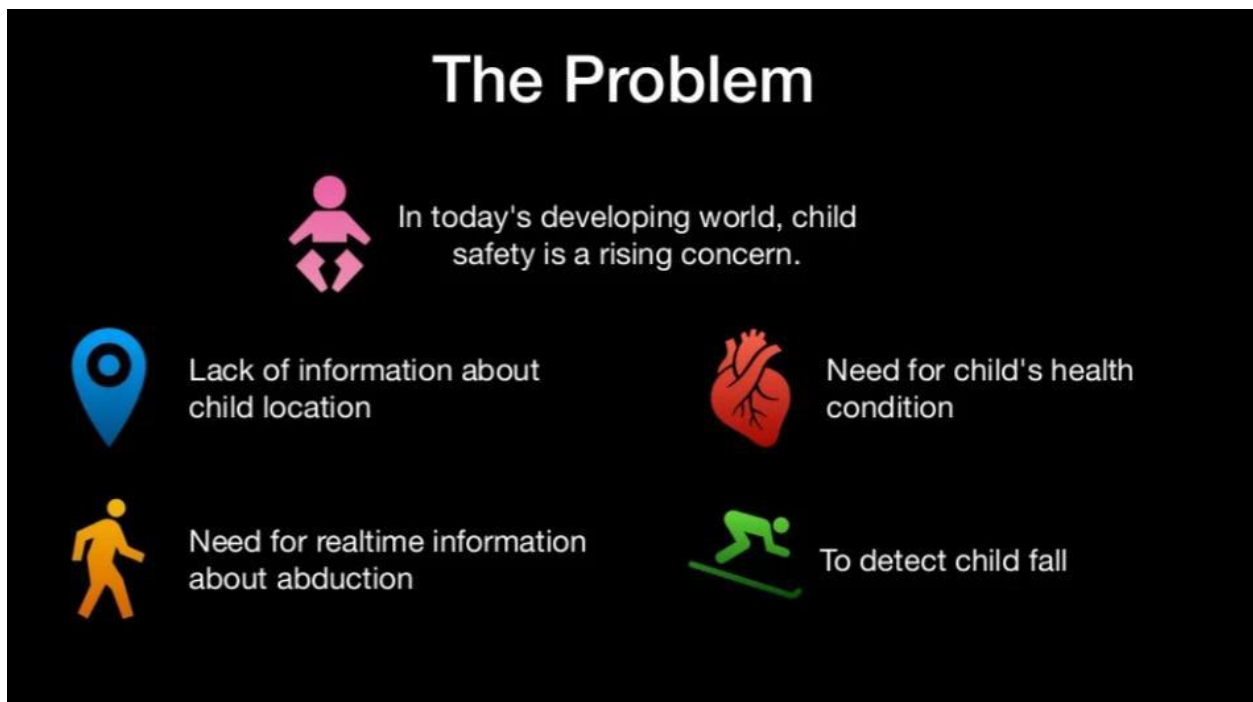


Project development phase

Project development delivery of sprint -4

|              |  |
|--------------|--|
| Date         | 14 October 2022  |
| Team ID      | PNT2022TMID07810   |
| Project Name | IOT Based safety gadget for child safety monitoring and Notification |

## Major problem:



*Lack of information about child location*

*To detect child fall*

## *Stackholders:*

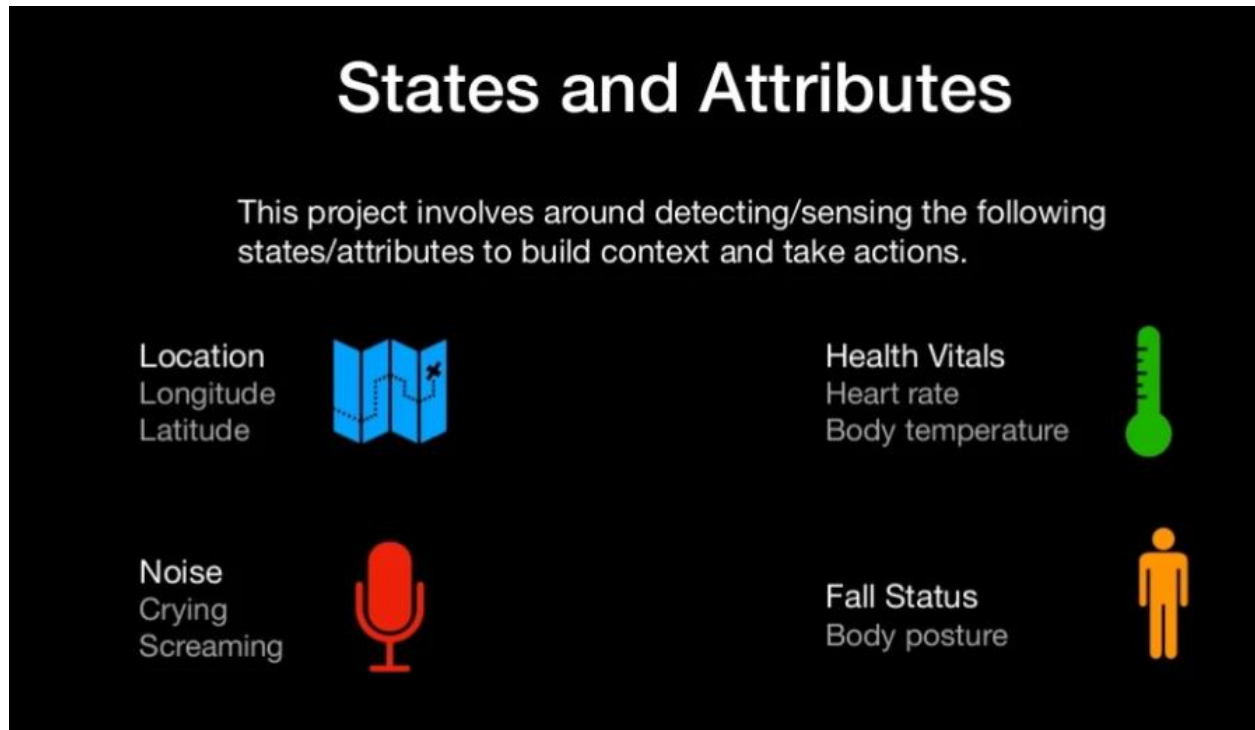


*Child:To return home as safety as possible*

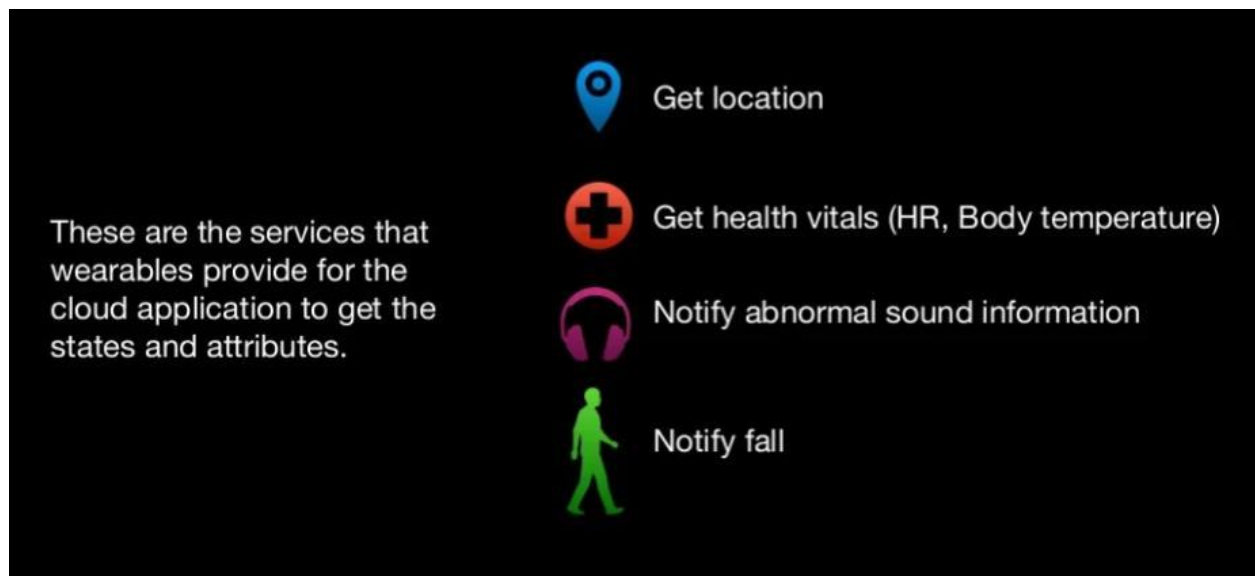
*Family:To monitor child location, health and safety*

*Police:To get real time information as soon as the incident occurs*

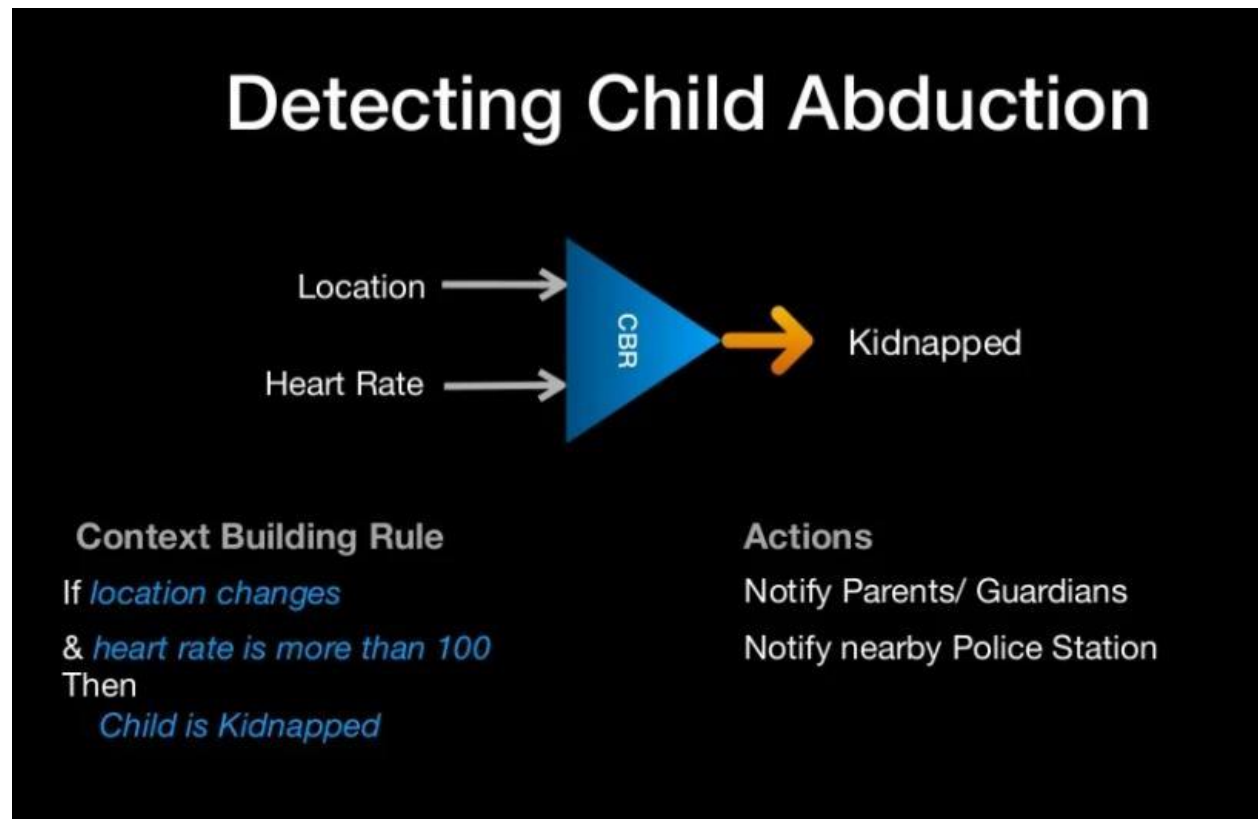
## Detecting and sensing:



## Services to get the data:



## Detecting



*Python code to track the location:*

```
From geopy.geocoders import  
Nominatim  
Import time
```

```
From pprint import pprint  
# instantiate a new Nominatim  
client  
  
App =  
Nominatim(user_agent="tutori  
al")  
  
# get location raw data  
  
Location =  
app.geocode("Nairobi,  
Kenya").raw  
  
# print raw data  
  
Pprint(location)
```

## Output

```
{'boundingbox': ['-1.444471', '-  
1.163332', '36.6509378',  
'37.1038871'],  
'class': 'place',  
'display_name': 'Nairobi,  
Kenya',  
'icon':  
'https://nominatim.openstreet  
map.org/images/mapicons/poi  
_place_city.p.20.png',
```

*'importance':  
0.845026759433763,  
'lat': '-1.2832533',  
'licence': 'Data ©  
OpenStreetMap contributors,  
ODbL 1.0. '*

*'https://osm.org/copyright',  
'lon': '36.8172449',  
'osm\_id': 9185096,  
'osm\_type': 'relation',  
'place\_id': 273942566,*

*'type': 'city'}*