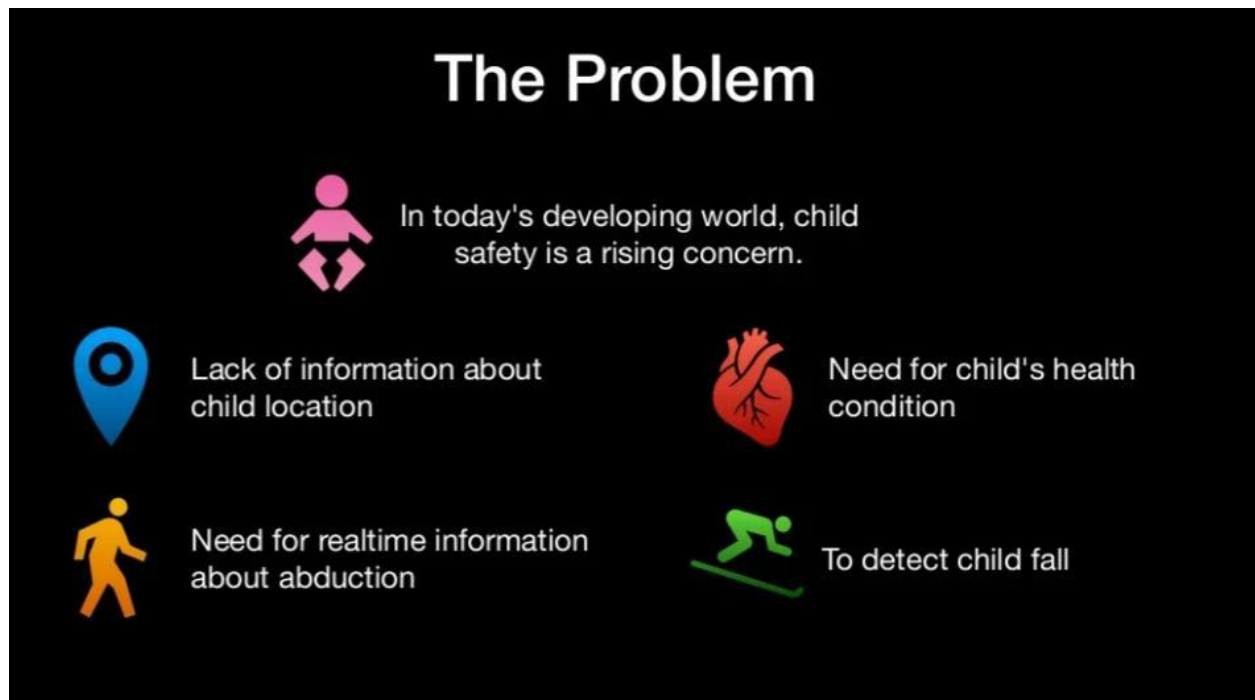


Project development phase

Project development delivery of sprint -4

Date	22 November 2022
Team ID	PNT2022TMID14548
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:

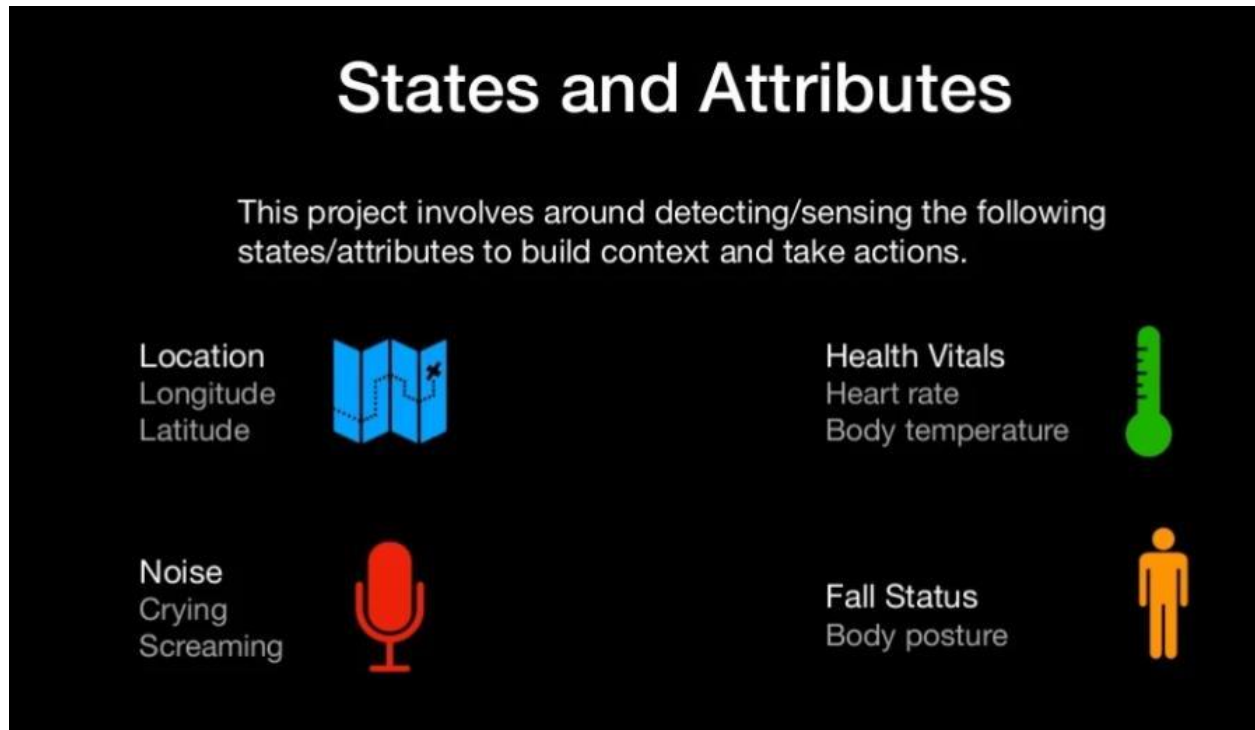


Child:To return home as safety as possible

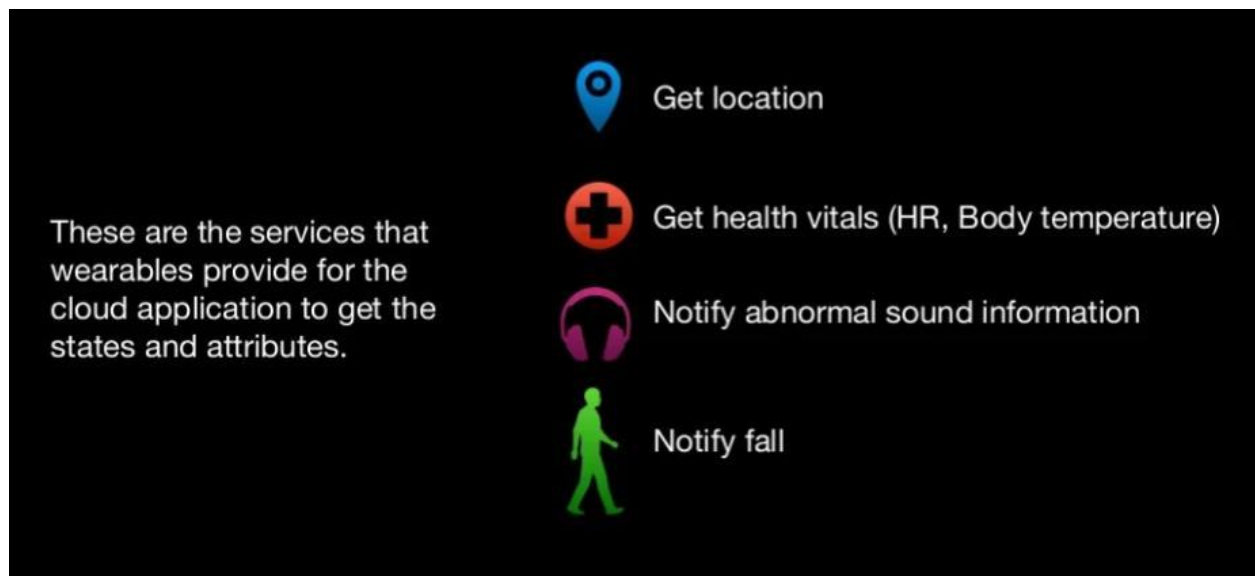
Family:To monitor child location, health and safety

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

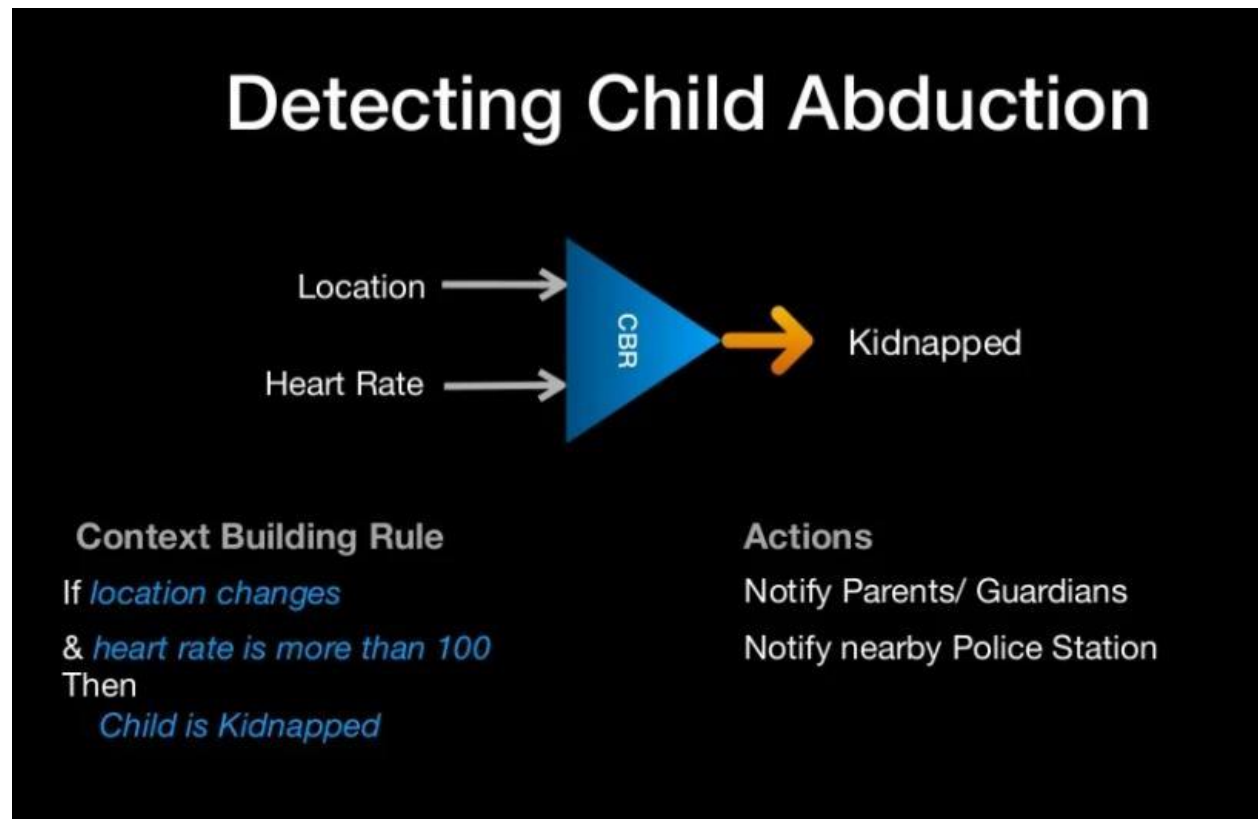
Detecting and sensing:



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'}