

PROJECT DEVELOPMENT PHASE

SPRINT 1

Date	11 November 2022
Team ID	PNT2022TMID38645
Project name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum marks	2 marks

ANALYZE THE PREREQUISITES:

Needed prerequisites for child safety monitoring and notification using Internet Of Things (IoT) were

- ❖ IBM Watson IoT Platform
- ❖ Node-RED Service
- ❖ Cloudant DB

Python code:

```
import time
import wiotp.sdk.application
myConfig = {
    "identity": {
        "orgId": "p8ajwt",
        "typeId": "abcd",
        "deviceId": "1234",
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config = myConfig, logHandlers = None)
client.connect()

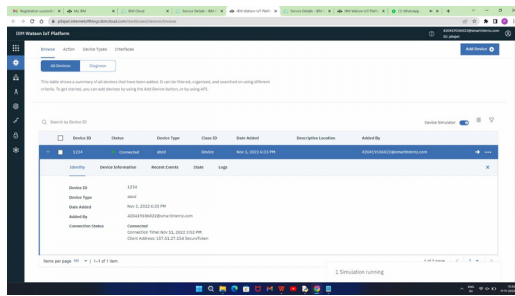
while True:
    name = "Pushpalatha K"
    #in area location
    latitude = 17.4219272
    longitude = 78.5488783
    #out area location
    #latitude = 17.4219272
    #longitude = 78.5488783
    myData = {"name": name, "lat": latitude, "lon": longitude}
    client.publishEvent(eventId = "status", msgFormat = "json", data = myData, qos =
0, onPublish = None)
```

[illegible]

Device creation:

The screenshot displays the AWS IAM console's 'Browse Devices' interface. At the top, there are navigation tabs for 'Groups', 'Users', 'Groups and Users', 'Groups and Users', 'Groups and Users', and 'Groups and Users'. Below these is a 'Filter' section with a search bar and a 'Filter' button. The main heading is 'Browse Devices'. A descriptive paragraph states: 'This table shows a summary of all devices that have been provisioned. It can be filtered, organized, and searched in using different criteria. To get started, you can start viewing by using the left-hand filters or by using API.' Below this is a search bar labeled 'Search by Device ID'. To the right of the search bar are 'Device Status' filters (All, Provisioned, Unprovisioned) and a 'Filter' button. The table below has the following columns: Device ID, Status, Device Type, Class ID, Role ARN, Device Status Location, and Added By. One device is listed with the following details: Device ID: i234, Status: Unprovisioned, Device Type: M202, Class ID: 04476, Role ARN: arn:aws:iam::123456789012:role/EC2Role, Device Status Location: us-east-1:us-east-1-ec2, and Added By: root@us-east-1.amazonaws.com. At the bottom, there is a pagination bar showing 'Items per page: 10' and '1 of 1 items'. A 'Simulation running' status bar is visible at the very bottom of the browser window.

Device ID	Status	Device Type	Class ID	Role ARN	Device Status Location	Added By
i234	Unprovisioned	M202	04476	arn:aws:iam::123456789012:role/EC2Role	us-east-1:us-east-1-ec2	root@us-east-1.amazonaws.com



To find the child location :

