

Project Development Phase

SPRINT-4

Date	18 November 2022
Team ID	PNT2022TMID21935
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

INTERFACING:

The top screenshot displays the IBM Cloud Developer console for the project 'ibm-batch11'. The table shows the following data:

id	key	value
2705eacda432e153e97356ca7298b3	2705eacda432e153e97356ca7298b3	({"key": "3-2007548a2e6b18880283e610e9...
62a69337b88a513e545c08d3501acfa	62a69337b88a513e545c08d3501acfa	({"key": "2-3a505e3e0c188a798a073ad3309...
8106c806ac39e84fa3a806a2be1340c22	8106c806ac39e84fa3a806a2be1340c22	({"key": "3-a80c52e3b0c3772388aee106a430...
8106c806ac39e84fa3a806a2be1340c22	8106c806ac39e84fa3a806a2be1340c22	({"key": "1-c8a50c9308136308e0a0f21851e7...
1ed71e18783a8a7a0e42908b48029	1ed71e18783a8a7a0e42908b48029	({"key": "2-79b2788a8879000a4807ac1e0d5...
c593023695a3e07dc2f98bc1c0e0c8a	c593023695a3e07dc2f98bc1c0e0c8a	({"key": "1-a0b8b440398694a407219299d9f...
eb118b1c8478531466c96d2c8e20ba	eb118b1c8478531466c96d2c8e20ba	({"key": "5-a0e71209a0f33e54b001c9066baa...

The bottom screenshot shows the same project 'ibm-batch11' but with a different table view. The table has columns 'id', 'inside_perforce', 'lat', and 'lon'.

id	inside_perforce	lat	lon
2705eacda432e153e97356ca7298b3	false	13.92229	80.70976
62a69337b88a513e545c08d3501acfa	false	12.9055556	80.18997
8106c806ac39e84fa3a806a2be1340c22	true	12.9099332	80.181989
8106c806ac39e84fa3a806a2be1340c22	true	12.9043576	80.187086
1ed71e18783a8a7a0e42908b48029	false	12.9045334	80.187997
c593023695a3e07dc2f98bc1c0e0c8a	true	12.9067	80.186079
eb118b1c8478531466c96d2c8e20ba	true	12.9069332	80.181989

Child Location Code:

```
import time
import wiotp.sdk.application
myConfig = {
    "identity" : {
        "orgId" : "mg5li0",
        "typeId": "rithu",
        "deviceId":"1234",
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config = myConfig, logHandlers = None)
client.connect()
while True:
    name = "Child"
    #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)
    print("Data published to IBM IoT Platform: ", myData)
    time.sleep(5)
client.disconnect()
```

[illegible]

DATABASE MAINTENANCE:

IBM Watson IoT Platform

142219205070@smarterintels.com
ID: mg580

BrowseActionDevice TypesInterfacesAdd Device

Browse Devices

All DevicesDiagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
1234	Disconnected	riffu	Device	Nov 11, 2022 1:40 PM

Identity

Device Information

Recent Events

State

Logs

ibm-batch11

Document ID

Options

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Create Document

id	key	value
2705eac6a432e153b9735fa7298b3	2705eac6a432e153b9735fa7298b3	("key", "3-2007564a50fb1888a263ac1bf...
62a9337b8ba519c5d508d3101acfa	62a9337b8ba519c5d508d3101acfa	("key", "2-3a505ab0c188a798a073adcb09...
81d6c806fc39e849a3a806a29e194c22	81d6c806fc39e849a3a806a29e194c22	("key", "1-a86c52c3bdc1c77288aac310a430...
81d6c806fc39e849a3a806a29e194c22	81d6c806fc39e849a3a806a29e194c22	("key", "1-c8a506070313610e6ca21851ef7...
8cd7be18781abba7d6bc429d8b8829	8cd7be18781abba7d6bc429d8b8829	("key", "2-79c2181a8079006a407bc1ac05...
c593023e95a3e07dc2f98bc1c0ebf5e	c593023e95a3e07dc2f98bc1c0ebf5e	("key", "1-ebd8c640399694a6432190299d05...
ek318b1c478531466c94d2c5e20bca	ek318b1c478531466c94d2c5e20bca	("key", "5-cbe771209ae510c5ab061c9066baa...

Showing document 1 - 7. Documents per page: 20

ibm-batch11

Document ID

Options

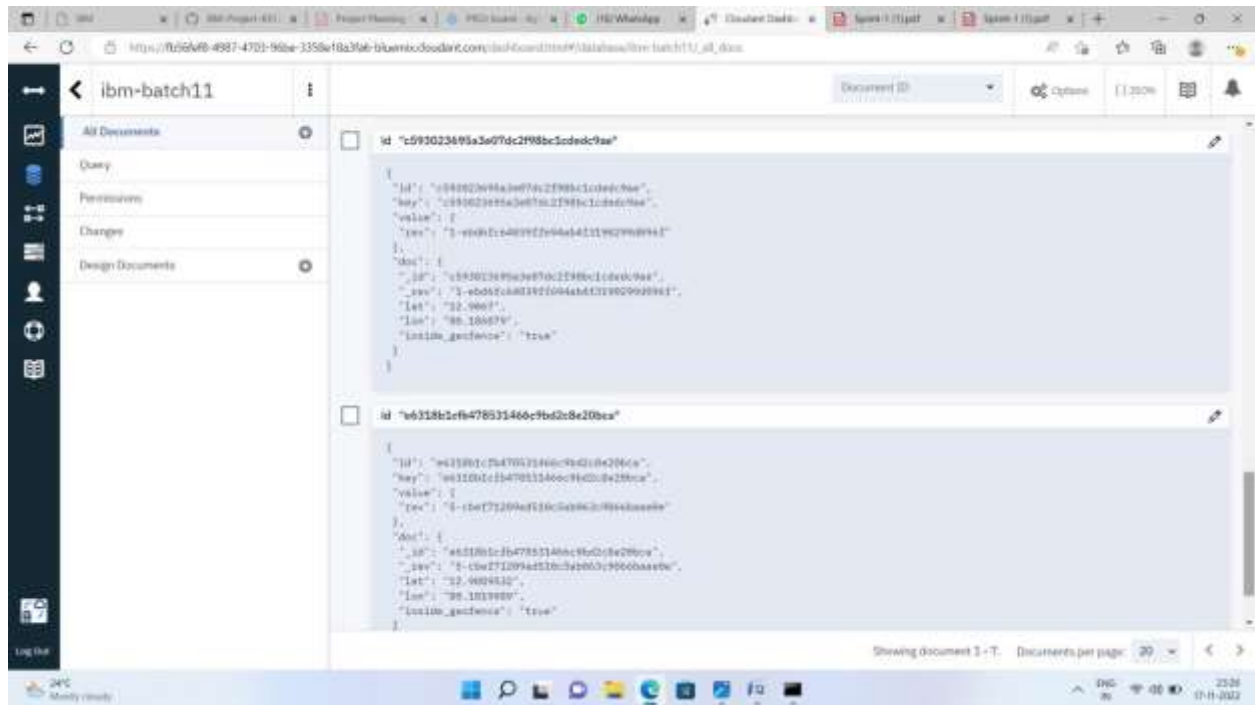
1/1000

Create Document

id	isale_gesture	lat	lon
2705eac6a432e153b9735fa7298b3	false	13.92229	81.79979
62a9337b8ba519c5d508d3101acfa	false	12.9055556	80.18997
81d6c806fc39e849a3a806a29e194c22	true	12.9099532	80.1819489
81d6c806fc39e849a3a806a29e194c22	true	12.9043576	80.185586
8cd7be18781abba7d6bc429d8b8829	false	12.9045334	80.187997
c593023e95a3e07dc2f98bc1c0ebf5e	true	12.9067	80.188879
ek318b1c478531466c94d2c5e20bca	true	12.9089532	80.1819489

Showing 4 of 5 columns. Show all columns.

Showing document 1 - 7. Documents per page: 20



NOTIFICATION

- Notifies via text the status of child whether inside or outside of geo-fence
- Alerts via audio/voice when child out of geo-fence

