




# Project Development Phase

## SPRINT-4

Date	17 November 2022
Team ID	PNT2022TMID38406
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

### 1. DATABASE MAINTENANCE

The screenshot displays the IBM Cloudant Databases dashboard. The browser's address bar shows the URL: <https://fb56fef8-4987-4703-96be-3358e18a3fa6-bluemix.cloudant.com/dashboard.html>. The dashboard header includes a 'Database name' dropdown, a 'Create Database' button, and a '{ }JSON' icon. The main content area, titled 'Your Databases', contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
ibm-batch11	443 bytes	7	No	  

At the bottom of the dashboard, it indicates 'Showing 1-1 of 1 databases.' and 'Databases per page 20'. The system tray at the bottom shows a temperature of 24°C, 'Mostly cloudy' weather, and the date and time as 23:24 on 17-11-2022.

ibm

IBM-Project-435

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PROJ board - Ag

(16) WhatsApp

Cloudant Dashb

Sprint-1 (1).pdf

Sprint-1 (1).pdf

https://fb56fef8-4987-4703-96be-3358e18a3fa6-bluemix.cloudant.com/dashboard.html#database/ibm-batch11/\_all\_docs

ibm-batch11

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options

{ } JSON

Create Document

Table

Metadata

{ } JSON

	id	key	value
<input type="checkbox"/>	2705eac6a432e153b9735fc6af7298b3	2705eac6a432e153b9735fc6af7298b3	{ "rev": "3-2007568aa5dfb198ff6f283dc61fc9...
<input type="checkbox"/>	62a69337b8fad519c5d0c08d3101ac9a	62a69337b8fad519c5d0c08d3101ac9a	{ "rev": "2-3a505dc6c61f8ca798d073adcb309...
<input type="checkbox"/>	81d6c806fe39e849a3a80662be194b22	81d6c806fe39e849a3a80662be194b22	{ "rev": "3-a8ec52e3bdcfc2f72d68aec1bba630...
<input type="checkbox"/>	81d6c806fe39e849a3a80662be53308d	81d6c806fe39e849a3a80662be53308d	{ "rev": "1-c8a450bf30833630fe6caff2f851ef7...
<input type="checkbox"/>	bdd7be18783abba7de6c42f6f8b88f29	bdd7be18783abba7de6c42f6f8b88f29	{ "rev": "2-706238b5a8878008e48f7fcc1ec05...
<input type="checkbox"/>	c593023695a3e07dc2f98bc1cdedc9ae	c593023695a3e07dc2f98bc1cdedc9ae	{ "rev": "1-ebd6fc64039ff694ab4f3190299d09...
<input type="checkbox"/>	e6318b1cfb478531466c9bd2c8e20bca	e6318b1cfb478531466c9bd2c8e20bca	{ "rev": "5-cbef71209ad510c5ab063c9066baa...

Showing document 1 - 7. Documents per page: 20

ibm

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(16) WhatsApp

Cloudant Dashb

Sprint-1 (1).pdf

Sprint-1 (1).pdf

https://fb56fef8-4987-4703-96be-3358e18a3fa6-bluemix.cloudant.com/dashboard.html#database/ibm-batch11/\_all\_docs

ibm-batch11

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options

{ } JSON

Create Document

Table

Metadata

{ } JSON

	_id	inside_geofence	lat	lon
<input type="checkbox"/>	2705eac6a432e153b9735fc6af7...	false	13.92229	81.78979
<input type="checkbox"/>	62a69337b8fad519c5d0c08d310...	false	12.9055556	80.18997
<input type="checkbox"/>	81d6c806fe39e849a3a80662be1...	true	12.9089532	80.1819989
<input type="checkbox"/>	81d6c806fe39e849a3a80662be5...	true	12.9043576	80.185586
<input type="checkbox"/>	bdd7be18783abba7de6c42f6f8b...	false	12.9045334	80.187997
<input type="checkbox"/>	c593023695a3e07dc2f98bc1cde...	true	12.9067	80.186879
<input type="checkbox"/>	e6318b1cfb478531466c9bd2c8e...	true	12.9089532	80.1819989

Showing 4 of 5 columns. ☐ Show all columns.

Showing document 1 - 7. Documents per page: 20

IBM Project Planning PROJ board - Ag (16) WhatsApp Cloudant Dashb Sprint-1 (1).pdf Sprint-1 (1).pdf

https://fb56fef8-4987-4703-96be-3358e18a3fa6-bluemix.cloudant.com/dashboard.html#/database/ibm-batch11/81d6c806fe39e849a3a80662be53308d

ibm-batch11 > 81d6c806fe39e849a3a80662be53308d

Save Changes Cancel Upload Attachment Clone Document Delete

```
{
  "_id": "81d6c806fe39e849a3a80662be53308d",
  "_rev": "2-54c8a82e07463055636dad2b8dbc52",
  "lat": "12.9043576",
  "lon": "80.185586",
  "inside_geofence": "true"
}
```

Log Out

24°C Mostly cloudy

https://fb56fef8-4987-4703-96be-3358e18a3fa6-bluemix.cloudant.com/dashboard.html#/database/ibm-batch11/\_all\_docs

ibm-batch11

Document ID Options {} JSON

All Documents Query Permissions Changes Design Documents

id "2705eac6a432e153b9735fc6af7298b3"

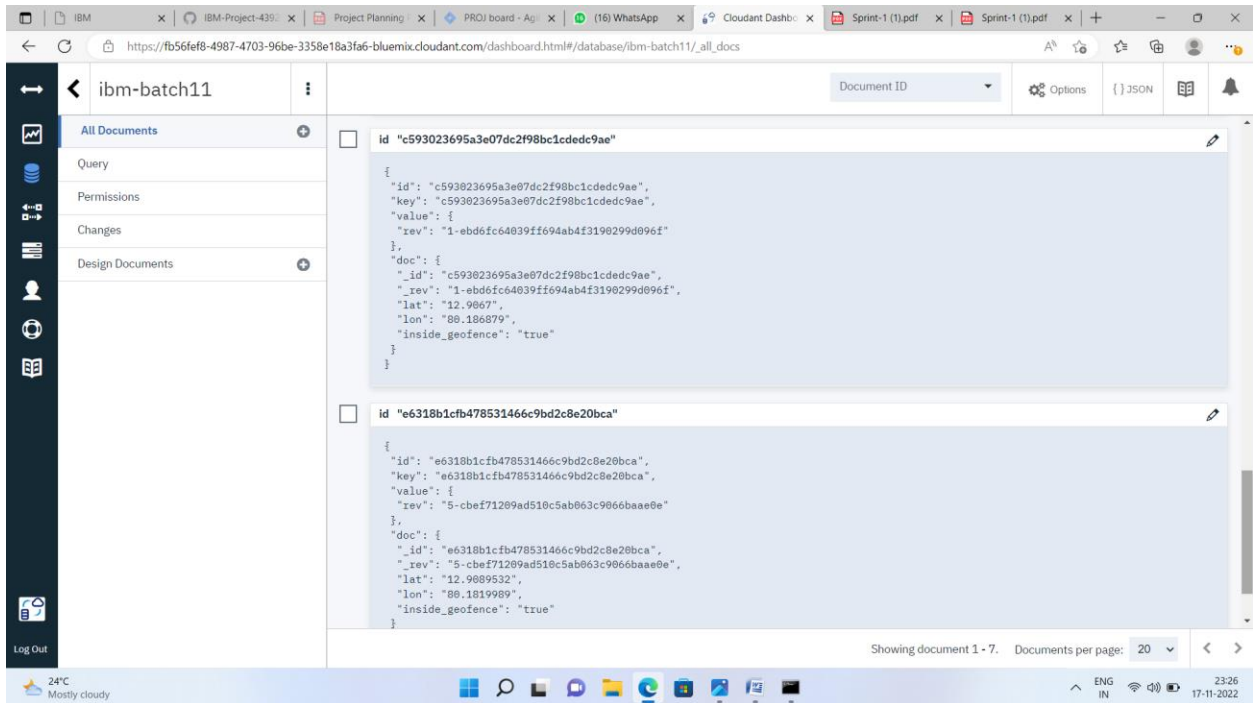
```
{
  "id": "2705eac6a432e153b9735fc6af7298b3",
  "key": "2705eac6a432e153b9735fc6af7298b3",
  "value": {
    "rev": "3-2087568aa5dfb198ffe6f283dc61ffc97"
  },
  "doc": {
    "_id": "2705eac6a432e153b9735fc6af7298b3",
    "_rev": "3-2087568aa5dfb198ffe6f283dc61ffc97",
    "lat": "13.92229",
    "lon": "61.78979",
    "inside_geofence": "false"
  }
}
```

id "62a69337b8fad519c5d0c08d3101ac9a"

```
{
  "id": "62a69337b8fad519c5d0c08d3101ac9a",
  "key": "62a69337b8fad519c5d0c08d3101ac9a",
  "value": {
    "rev": "2-3a505dc6c61f8ca798d873adcb309ca2"
  },
  "doc": {
    "_id": "62a69337b8fad519c5d0c08d3101ac9a",
    "_rev": "2-3a505dc6c61f8ca798d873adcb309ca2",
    "lat": "12.9055556",
    "lon": "80.18997",
    "inside_geofence": "false"
  }
}
```

Showing document 1 - 7. Documents per page: 20

24°C Mostly cloudy



## 2. 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

