

# **Safety Gadget for Child Safety Monitoring and Notification**

**Project Development –Delivery of Sprint 3  
Creating Cloudant DB and connecting to Node-  
RedCreate App in MIT App inventor**

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Team ID	PNT2022TMID17569
Project Name	IOT Based Safety Gadget for Child Safety Monitoring & Notification

# Create Cloudant DB:

The screenshot shows the Cloudant Databases dashboard. The browser address bar displays the URL: `372abdd0-20b2-4719-9ebb-e33ec675bf9d-bluemix.cloudant.com/dashboard.html`. The dashboard has a sidebar on the left with navigation icons. The main content area is titled "Databases" and includes a "Database name" dropdown, a "Create Database" button, and a "JSON" icon. Below this, a section titled "Your Databases" contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
childsafety	0.6 MB	15767	No	[Icons: Add, Lock, Delete]
noderedknnqv20221107	34.3 KB	4	No	[Icons: Add, Lock, Delete]

At the bottom of the dashboard, it says "Showing 1-2 of 2 databases. Databases per page: 20".

The screenshot shows the Cloudant database view for the "childsafety" database. The browser address bar displays the URL: `372abdd0-20b2-4719-9ebb-e33ec675bf9d-bluemix.cloudant.com/dashboard.html#database/childsafety/_all_docs`. The interface includes a sidebar on the left with navigation icons. The main content area is titled "childsafety" and includes a "Document ID" dropdown, "Options" button, and a "JSON" icon. Below this, a section titled "All Documents" contains a table with the following data:

id	key	value
000245d59da9ac61433e5f634f20f9...	000245d59da9ac61433e5f634f20f9...	{"rev": "1-e6b811f57ea970b95eac7..."}
000245d59da9ac61433e5f634f213...	000245d59da9ac61433e5f634f213...	{"rev": "1-5bd67a9dd5077c26203e..."}
000245d59da9ac61433e5f634f4fe7df	000245d59da9ac61433e5f634f4fe7df	{"rev": "1-ffedff57c99ea860cde31c3..."}
000245d59da9ac61433e5f634f506...	000245d59da9ac61433e5f634f506...	{"rev": "1-57b844b01fae28e70630e..."}
000245d59da9ac61433e5f634f508...	000245d59da9ac61433e5f634f508...	{"rev": "1-83bacc72c450f237855a7..."}
000245d59da9ac61433e5f634f50f5...	000245d59da9ac61433e5f634f50f5...	{"rev": "1-452b9a0e1fe9db26c9264..."}
000245d59da9ac61433e5f634f512...	000245d59da9ac61433e5f634f512...	{"rev": "1-476cd41ad5e8c74f5b2c6..."}
000245d59da9ac61433e5f634f514...	000245d59da9ac61433e5f634f514...	{"rev": "1-38b023705962b5ee4cdaf..."}
000245d59da9ac61433e5f634f51d...	000245d59da9ac61433e5f634f51d...	{"rev": "1-83bacc72c450f237855a7..."}
00078610ea6fd9b443a4b58549619...	00078610ea6fd9b443a4b58549619...	{"rev": "1-476cd41ad5e8c74f5b2c6..."}

At the bottom of the view, it says "Showing document 1 - 20. Documents per page: 20".

## Node-Red Service with Clodant DB:

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow named 'Flow 1'. The flow starts with an 'IBM IoT' node (connected). It branches into several function nodes: 'function', 'temp', 'temp\_status', 'latitude', 'your\_child\_zone', and 'longitude'. Each function node is connected to a corresponding output node: 'child safety', 'Child name', 'gauge', 'Temperature', 'temp\_status', 'Latitude', 'Child Zone', 'Longitude', and 'worldmap'. The 'worldmap' node is also connected. The right sidebar shows the 'debug' console with a log of messages, including a JSON object: 

```
{ temp: 50, lat: 12.131629972663186, lon: 78.19606388397351, name: "Child" }
```

. The bottom status bar shows the time as 10:01 PM on 11/10/2022.

## Create App in MIT app inventor:

The screenshot shows the MIT App Inventor web interface. The main workspace displays a mobile app design for a phone. The app has a 'WELCOME' screen with a blue background, a hand holding a smartphone showing a map, and icons for a location pin, a hand, and a family. The left sidebar shows the 'User Interface' palette with various components like Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, and WebViewer. The right sidebar shows the 'AboutScreen' properties, including 'AppName' (Abc), 'BackgroundColor' (Default), 'BackgroundImage' (1de81244-d067-4374-b5a4-), 'BigDefaultText' (checkbox), 'BlocksToolkit' (All), 'CloseScreenAnimation' (Default), 'DefaultFileScope' (App), 'HighContrast' (checkbox), and 'Icon' (100-utility-icon.png). The bottom status bar shows the time as 10:46 PM on 11/10/2022.



