

Safety Gadget for Child Safety Monitoring and Notification

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

Date	16 November 2022
Team ID	PNT2022TMID18932
Project Name	IOT Based Safety Gadget for Child Safety Monitoring & Notification

Create Cloudant DB:

Cloudant Dashboard: Databases

Database name: Create Database [JSON] [Bookmarks] [Notifications]

Your Databases

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

Showing 1-2 of 2 databases. Databases per page: 20

Log Out

Cloudant Dashboard: childsafety

Document ID: Options [JSON] [Bookmarks] [Notifications]

All Documents [Query] [Permissions] [Changes] [Design Documents]

Table Metadata [JSON] [Bookmarks] Create Document

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Showing document 1 - 20. Documents per page: 20

Log Out

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: 'childname', 'temp', 'temp_status', 'latitude', 'your_child_zone', and 'longitude'. Each function node is connected to a corresponding 'msg.payload' node (e.g., 'Child name', 'Temperature', 'Latitude', 'Child Zone', 'Longitude'). These payload nodes are then connected to 'gauge' nodes for visualization. A 'worldmap' node is also connected to the 'longitude' function node. The right sidebar shows the 'debug' console with several log entries, including JSON payloads for child location and temperature data.

Create App in MIT app inventor:

The screenshot shows the MIT App Inventor web interface. The central canvas displays a mobile app design for an Android 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 'Properties' panel for the selected 'Clock1' component, with settings for AccentColor, AlignHorizontal, AlignVertical, AppName, BackgroundColor, BackgroundImage, BigDefaultText, BlocksToolkit, CloseScreenAnimation, DefaultFileScope, HighContrast, and Icon. The bottom status bar shows the time as 10:46 PM on 11/10/2022.

