

## Project Development Phase

Team ID	PNT2022TMID18137
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

### SPRINT I:- Database connection in Nodered:

Link: <https://node-red-cdaue-2022-11-17.eu-de.mybluemix.net/red/#flow/40f9999a0fb0cc65>

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: <https://node-red-cdaue-2022-11-17.eu-de.mybluemix.net/red/#flow/7ccbfbdf053b336f>. The interface includes a top navigation bar with the Node-RED logo and a 'Deploy' button. On the left, a sidebar lists available nodes, with the 'network' category expanded, showing nodes like 'mqtt in', 'mqtt out', 'http in', 'http response', and 'http request'. The main workspace shows a flow named 'Flow 2' with four nodes connected in sequence: '[post] /signup' (yellow), 'cloudant' (blue), 'template' (orange), and 'http' (yellow). The right sidebar contains an 'info' panel with a search bar and a list of flows, including 'Flow 1' and 'Flow 2' (which is selected). Below the flow list, the details for 'Flow 2' are shown, including its ID: '7ccbfbdf053b336f'.

The screenshot displays the IBM Cloud console interface. At the top, there's a navigation bar with the IBM Cloud logo and a search bar. Below this, a list of resources is shown, including 'Service credentials-1'. The details of this credential are expanded, showing a JSON object with the following fields: 'apikey', 'host', 'iam\_apikey\_description', 'iam\_apikey\_name', 'iam\_role\_crn', 'iam\_serviceid\_crn', 'password', 'port', and 'url'. The 'apikey' field contains a long alphanumeric string. The 'host' field is '775ebc68-b869-42c3-97a7-3cbec863ef7d-bluemix.cloudantnosqldb.appdomain.cloud'. The 'iam\_apikey\_description' field is 'Auto-generated for key crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/9a05022159a54add99c0aa3b2c776b98:7dd20895-6525-4b4b-a561-6b0415014b59:resource-key:9616d0ba-8465-441f-914a-0228e6e4db51'. The 'iam\_apikey\_name' field is 'Service credentials-1'. The 'iam\_role\_crn' field is 'crn:v1:bluemix:public:iam:::serviceRole:Manager'. The 'iam\_serviceid\_crn' field is 'crn:v1:bluemix:public:iam-identity::a/9a05022159a54add99c0aa3b2c776b98::serviceid:ServiceId-425f675c-cb6b-41c4-8c7e-a55050b82e8e'. The 'password' field is '1ce8d96314ff76a8a2d3d399e6d50b40'. The 'port' field is 443. The 'url' field is 'https://apikey-v2-vsapuf24jxcms5scpb39f7282rwr7rphdggtc7zj4po:1ce8d96314ff76a8a2d3d399e6d50b40@775ebc68-b869-42c3-97a7-3cbec863ef7d-bluemix.cloudantnosqldb.appdomain.cloud'. The 'username' field is 'apikey-v2-vsapuf24jxcms5scpb39f7282rwr7rphdggtc7zj4po'. The credential was created on 2022-11-16 at 7:54 PM.

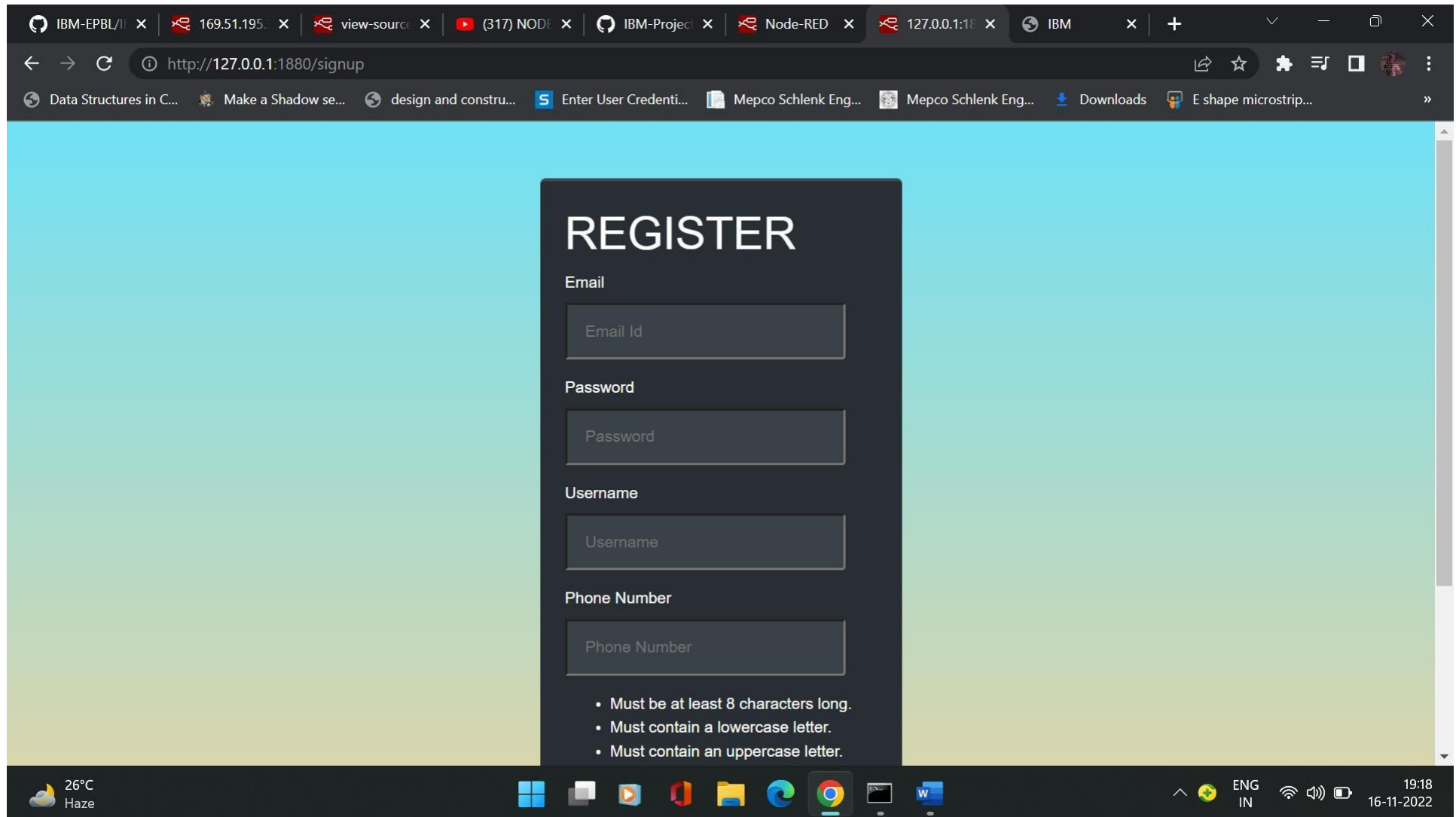
## CLOUDANT DATABASE:

The screenshot displays the Node-RED web interface in a browser. The browser's address bar shows the URL: `https://node-red-cdaue-2022-11-17.eu-de.mybluemix.net/red/#flow/40f9999a0fb0cc65`. The Node-RED interface includes a left sidebar with a 'filter nodes' search bar and a list of nodes under 'common' (inject, debug, complete, catch, status, link in, link call, link out, comment) and 'function'. The main workspace shows a flow with several nodes, including '[get] /signup', '[get] /signin', '[post] /signup', and '[get] /home'. A central dialog box titled 'Edit cloudant in node' is open, featuring a 'Delete' button, 'Cancel' and 'Done' buttons, and a 'Properties' section. The 'Properties' section contains the following fields:

- Service:** External cloudant or couchdb service
- Server:** `https://apikey-v2-vsapuf24jxcm5s5cpb3`
- Database:** child
- Search by:** \_id
- Name:** Name

At the bottom of the dialog, there is an 'Enabled' checkbox. The right sidebar shows the 'info' tab with a search bar and a list of flows: Flow 1, Flow 2, Subflows, and Global Configuration Nodes. Below this, a node named 'child' is highlighted, showing its Node ID as `"2951e9cd5a83e748"` and its Type as 'cloudant in'. A hint at the bottom of the right sidebar reads: 'Hold down **ctrl** when you **click** on a node port to enable quick-wiring'. The Windows taskbar at the bottom shows the system clock as 13:30 on 17-11-2022, along with weather information (89°F, Partly sunny) and various application icons.

<https://node-red-cdaue-2022-11-17.eu-de.mybluemix.net/signup>



The screenshot shows a web browser window with multiple tabs. The active tab is titled '127.0.0.1:1880' and the address bar shows 'http://127.0.0.1:1880/signup'. The browser's bookmark bar contains several items, including 'Data Structures in C...', 'Make a Shadow se...', 'design and constru...', 'Enter User Credenti...', 'Mepco Schlenk Eng...', 'Mepco Schlenk Eng...', 'Downloads', and 'E shape microstrip...'. The main content area displays a registration form with a light blue gradient background. The form is titled 'REGISTER' in large white letters. It contains four input fields: 'Email' (with placeholder 'Email Id'), 'Password' (with placeholder 'Password'), 'Username' (with placeholder 'Username'), and 'Phone Number' (with placeholder 'Phone Number'). Below the input fields, there is a list of requirements for the password:

- Must be at least 8 characters long.
- Must contain a lowercase letter.
- Must contain an uppercase letter.

The Windows taskbar is visible at the bottom, showing the system clock as 19:18 on 16-11-2022, and the weather as 26°C Haze. The taskbar also includes icons for the Start menu, File Explorer, Microsoft Edge, Google Chrome, and other applications.

