

ASSIGNMENT 5

Q. Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB. you can use Form Nodes in dashboard nodes to take user input.

Web dashboard for scheduling pump controller date & time

The screenshot shows a web browser window displaying a Node-RED dashboard. The browser's address bar shows the URL: `node-red-gurbb-2021-12-12.eu-gb.mybluemix.net/ui/#/1/0?socketid=F0oIyXsOkPWsxXAABF`. The dashboard has a blue header with the text "VIT-B Dashboard". Below the header, there is a section titled "Demo Project". Under "Demo Project", there is a "User Input" section. This section contains two input fields: "Date" with the value "07-03-2022" and "Time" with the value "11:00". Below these fields are two blue buttons: "SUBMIT" and "CANCEL". The browser's taskbar at the bottom shows various application icons and the system clock indicating 01:54 on 18-12-2021.

Node-RED

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow diagram with a 'User Input' node connected to three output nodes: 'msg.payload', 'product', and 'IBM IoT'. The left sidebar contains a search bar and a list of nodes categorized under 'storage' (Db2 in, cloudant in, dashDB in, Db2 out, cloudant out, dashDB out) and 'IBM Watson' (assistant, assistant workspace). The right sidebar shows the 'debug' console with a list of messages, including timestamps and payloads. The bottom of the interface shows a Windows taskbar with various application icons and a search bar.

Cloudant Database

The screenshot shows the Cloudant Database web dashboard. The left sidebar contains a navigation menu with options like 'product', 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area displays a table of documents with columns 'id', 'key', and 'value'. The table lists 11 documents, each with a unique ID and a key-value pair. The bottom of the interface shows a Windows taskbar with various application icons and a search bar.

id	key	value
169c95e70ad35e6a9b82c108...	169c95e70ad35e6a9b82c108...	{ "rev": "1-c9c50112a35195cb8..." }
38c812cabddf075f73e502ce9c...	38c812cabddf075f73e502ce9c...	{ "rev": "1-c9c50112a35195cb8..." }
38c812cabddf075f73e502ce9c...	38c812cabddf075f73e502ce9c...	{ "rev": "1-85f3660602277ebf5..." }
70f1e24fc329e59627805e5976...	70f1e24fc329e59627805e5976...	{ "rev": "1-b1763d363c08ad07e..." }
7a60fdeeca2cd9d20355705c8e...	7a60fdeeca2cd9d20355705c8e...	{ "rev": "1-6bc40e61cb7c94788..." }
8fc477afd36f7974853486265d...	8fc477afd36f7974853486265d...	{ "rev": "1-6bc40e61cb7c94788..." }
8fc477afd36f7974853486265d...	8fc477afd36f7974853486265d...	{ "rev": "1-4038860642f7a0bb9..." }
c00715734a227519c701a5d4a...	c00715734a227519c701a5d4a...	{ "rev": "1-c9c50112a35195cb8..." }
dc24c053bcb3ada6aa0e30185...	dc24c053bcb3ada6aa0e30185...	{ "rev": "1-a2f94a46d23788944..." }
e0f2395160787878cd6af8968e...	e0f2395160787878cd6af8968e...	{ "rev": "1-7442cda2112225f03..." }

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Data stored in 'product' database

The screenshot shows a web browser window displaying a document in a database. The browser's address bar shows the URL: `7908e514-07bc-452d-bde4-a4116d9f73ab-bluemix.cloudant.com/dashboard.html#database/product/e0f23951607878cd6af8968e7c8a98`. The page title is "product" followed by the document ID "e0f23951607878cd6af8968e7c8a98". The document is displayed in JSON format, showing a single record with the following fields:

```
{
  "_id": "e0f23951607878cd6af8968e7c8a98",
  "_rev": "1-5c8a9966f24a0b44ba809b6097a41647",
  "Date": "2022-02-05T18:30:00.000Z",
  "Time": "1969-12-31T20:30:00.000Z"
}
```

The interface includes a sidebar on the left with various icons for navigation and a top bar with buttons for "Save Changes", "Cancel", "Upload Attachment", "Clone Document", and "Delete". The bottom of the screen shows a Windows taskbar with the search bar and several application icons.