

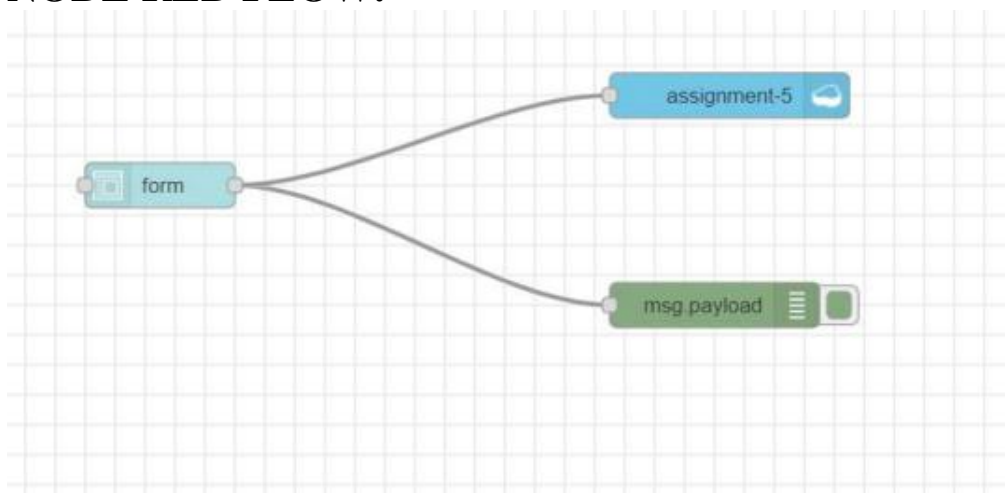
VIT IOT - (Industry Certificate Program)

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Assignment 5

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.

NODE RED FLOW:



FORM NODE:

Edit form node

Delete

Cancel

Done

Properties

Group

[Assignment-5] User Input

Size

auto

Label

optional label

Form elements

	Label	Name	Type	Required	UiRows	Remove
≡	date	date	Date	<input checked="" type="checkbox"/>		
≡	time	time	Time	<input checked="" type="checkbox"/>		

Connecting Form Node to Assignment 5(which is cloudant out node) database:

The screenshot shows the 'Edit cloudant out node' configuration window. It has a title bar 'Edit cloudant out node' and three buttons: 'Delete', 'Cancel', and 'Done'. Below the buttons is a 'Properties' section with a search bar and three icons. The configuration fields are: 'Service' (a dropdown menu showing 'node-red-knvg-2021--cloudant-1625752347'), 'Database' (a text input field containing 'assignment-5'), 'Operation' (a dropdown menu showing 'insert'), and an unchecked checkbox labeled 'Only store msg.payload object?'. At the bottom is a 'Name' field with the text 'Name'.









INPUT (WEB UI):

The screenshot shows a 'User Input' web UI form. It has a title 'User Input' in blue. Below the title are two input fields: 'date' with the value '24-12-2002' and 'time' with the value '12:24'. At the bottom are two blue buttons: 'SUBMIT' and 'CANCEL'.


Output (Receiving data from Web UI):

The screenshot shows the Node-RED console with two log entries. The first entry is from 7/18/2021, 9:16:50 PM, node: d428f554.55a678, and shows the msg.payload as an object: { date: "24-12-2002", time: "12:45" }. The second entry is from 7/18/2021, 9:17:16 PM, node: d428f554.55a678, and shows the msg.payload as an object: { date: "24-12-2002", time: "12:24" }.


Databases:


Name	Size	# of Docs	Partitioned	Actions
assignment-5	130 bytes	2	No	  
noderedknvjg20210708	38.1 KB	4	No	  
sample	1.2 KB	14	No	  


Output (Receiving data from Web UI to Cloudantdb):

 Save Changes

Cancel

 Upload Attachment

 Clone Document

 Delete

1 + {

2 "_id": "835369eda708482454e832228b4c7db2",

3 "_rev": "1-d93674e0a253bf01b25e3d01d0395371",

4 + "payload": {

5 "date": "24-12-2002",

6 "time": "12:24"

7 },

8 "socketid": "Q1DROAE3404iq6SSAAAn"

9 }