

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.

Web Dashboard:

Smart pump Controller Application

Input Data

Pump Controller

Date

Time

SUBMIT

CANCEL

Smart pump Controller Application

Input Data

Pump Controller

Date

25-06-2021

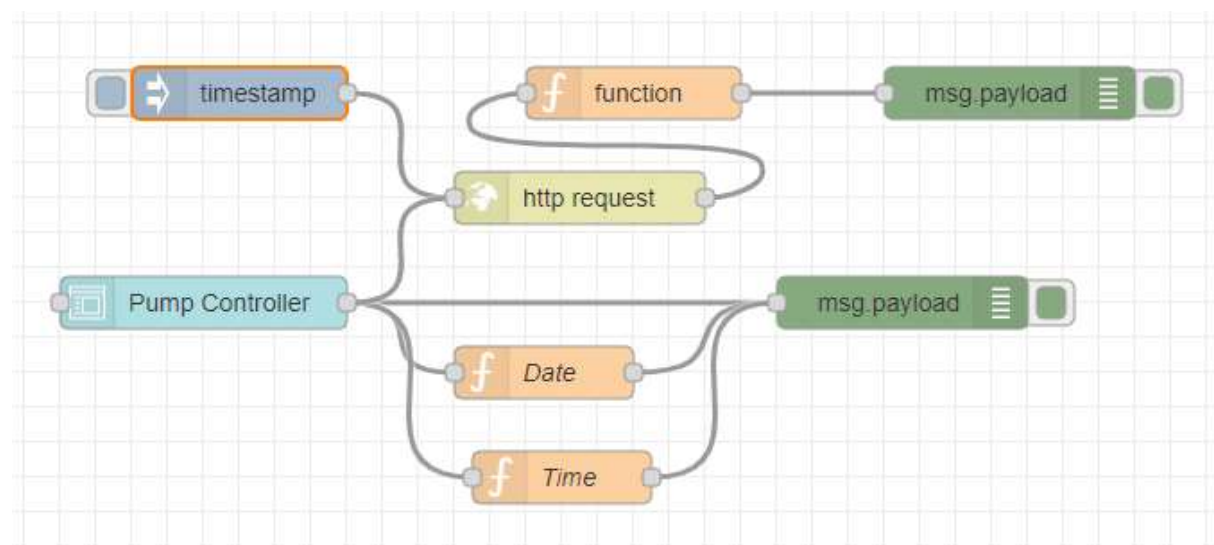
Time

18:30

SUBMIT

CANCEL

Node-RED Flow:



Output:

```
topic : msg.payload : Object
  ▶ { Date: "2021-07-06T18:30:00.000Z",
    Time: "1970-01-01T18:23:00.000Z" }

7/18/2021, 9:51:39 PM node: 404ae362.90d84c
topic : msg.payload : string[24]
  "2021-07-06T18:30:00.000Z"

7/18/2021, 9:51:40 PM node: 404ae362.90d84c
topic : msg.payload : string[24]
  "1970-01-01T18:23:00.000Z"

7/18/2021, 10:22:48 PM node: 404ae362.90d84c
msg.payload : Object
  ▶ { Date: "2021-06-24T18:30:00.000Z",
    Time: "1970-01-01T13:00:00.000Z" }

7/18/2021, 10:22:49 PM node: 404ae362.90d84c
msg.payload : string[24]
  "2021-06-24T18:30:00.000Z"

7/18/2021, 10:22:50 PM node: 404ae362.90d84c
msg.payload : string[24]
  "1970-01-01T13:00:00.000Z"

7/18/2021, 10:22:51 PM node: 52dc5f7a.6b8fc
msg.payload : Object
  ▶ { total_rows: 4, offset: 0, rows:
    array[1] }
```

Cloudant DB data storage:

sample ➤ 61a857d97a7dd87446b380a8535b0a8b

☒ Save Changes

1 ▼ {

2 "_id": "61a857d97a7dd87446b380a8535b0a8b",

3 "_rev": "1-73d62226aa9e42a4ff14d911af6b48b0",

4 "Date": "25-06-2021",

5 "Time": "18:30"

6

```
{ "total_rows": 4, "offset": 0, "rows": [
  { "id": "61a857d97a7dd87446b380a8535b0a8b", "key": "61a857d97a7dd87446b380a8535b0a8b", "value": { "rev": "1-73d62226aa9e42a4ff14d911af6b48b0" }, "doc": { "_id": "61a857d97a7dd87446b380a8535b0a8b", "_rev": "1-73d62226aa9e42a4ff14d911af6b48b0", "Date": "25-06-2021", "Time": "18:30" } },
```