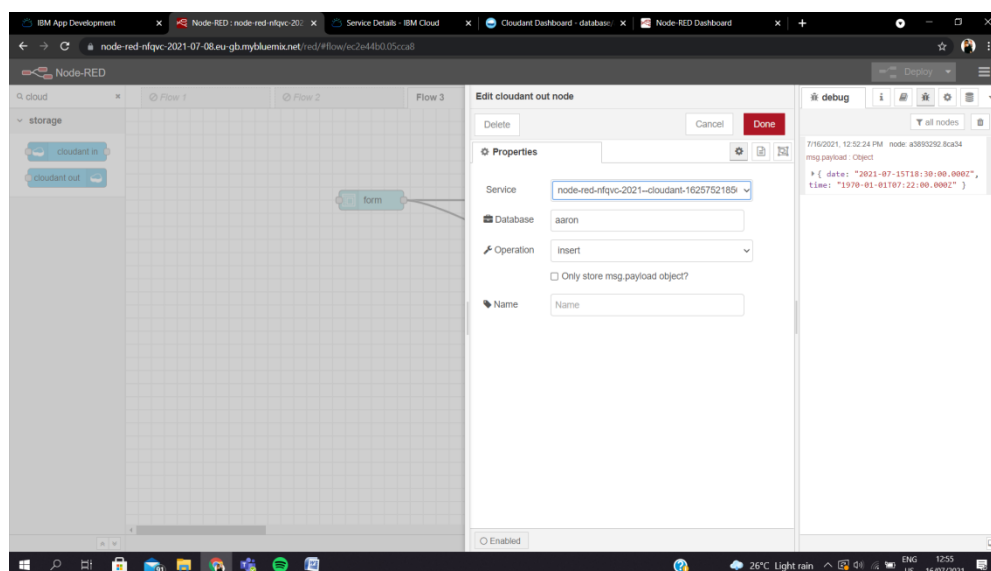
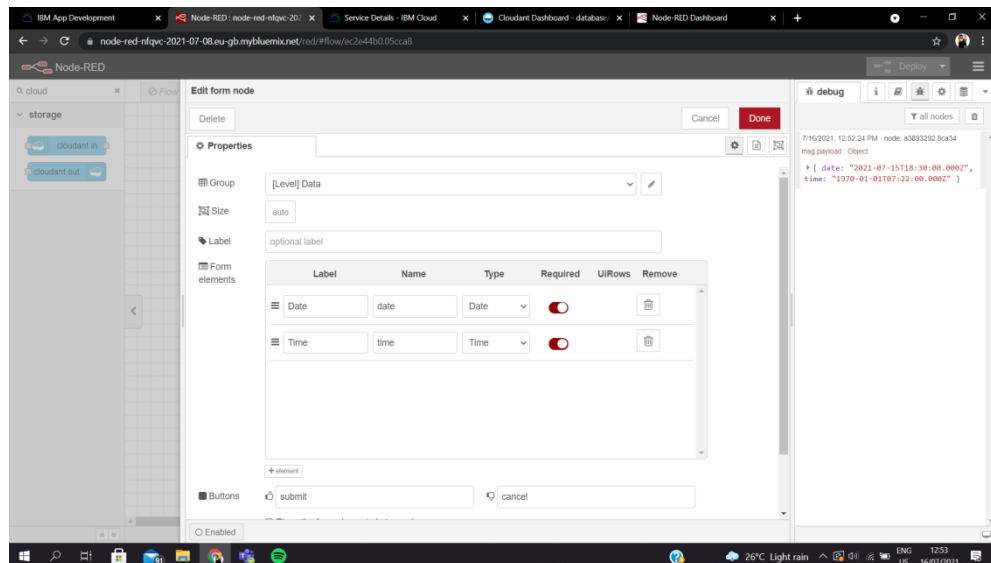
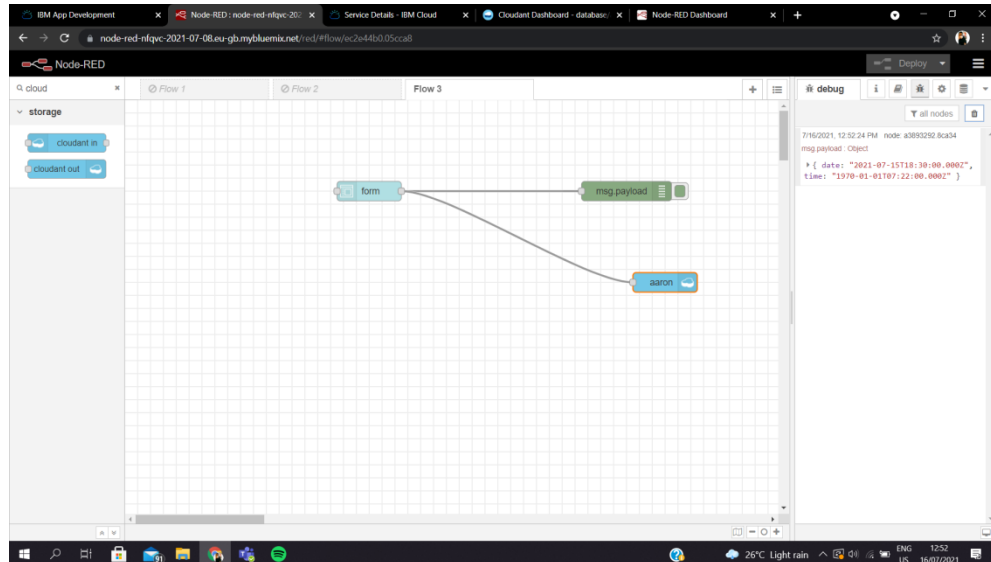


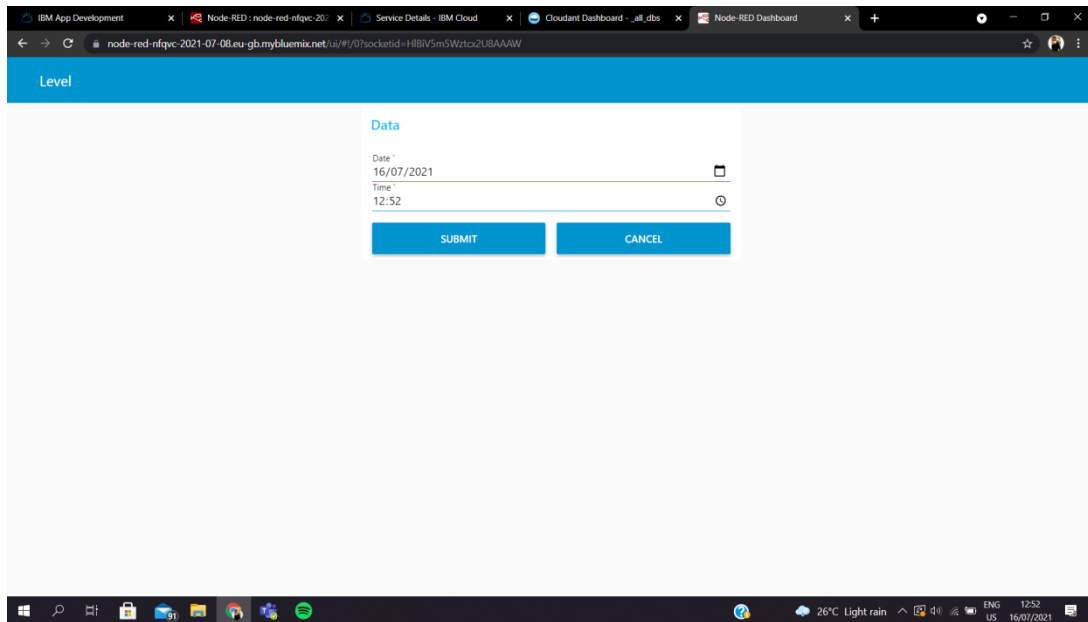
ASSIGNMENT 5

Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB.

- **Node-Red Flow:**

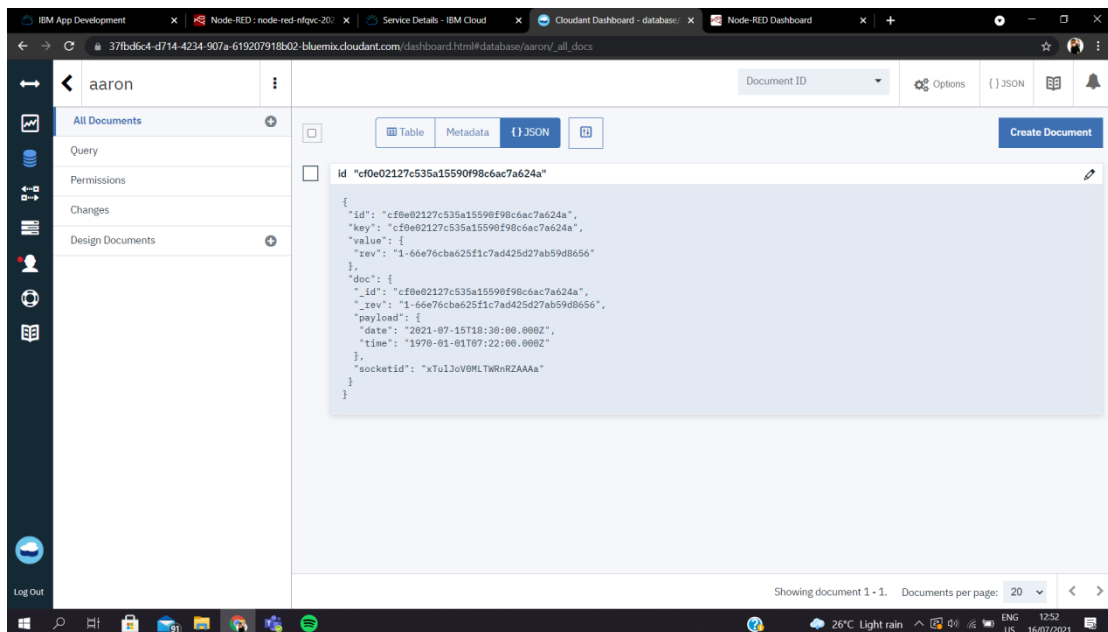


- **Node-Red UI (Input):**



The screenshot shows a web browser window with multiple tabs. The active tab is 'Node-RED : node-red-nfqc-201-07-08.eu-gb.mybluemix.net'. The page displays a 'Level' header and a 'Data' form. The form contains two input fields: 'Date' with the value '16/07/2021' and 'Time' with the value '12:52'. Below the inputs are two buttons: 'SUBMIT' and 'CANCEL'. The browser's address bar shows the URL 'node-red-nfqc-2021-07-08.eu-gb.mybluemix.net/ui/#/0/socketid-HBBV5m5Wztc2UBAAAW'. The Windows taskbar at the bottom shows the date and time as '12:52 16/07/2021'.

- **Cloudant DB:**



The screenshot shows the Cloudant Dashboard interface in a web browser. The browser tabs include 'IBM App Development', 'Node-RED : node-red-nfqc-201-07-08.eu-gb.mybluemix.net', 'Service Details - IBM Cloud', 'Cloudant Dashboard - all_dbs', and 'Node-RED Dashboard'. The active tab is 'Cloudant Dashboard - databases'. The URL bar shows '37fbd6c4-d714-4234-907a-619207918b02-bluemix.cloudant.com/dashboard.html#/database/aaron/_all_docs'. The interface has a sidebar on the left with a 'Log Out' button at the bottom. The main area shows a list of documents for the 'aaron' database. The selected document has the ID 'cf0e02127c535a15590f98c6ac7a624a'. The document content is a JSON object:

```
{
  "id": "cf0e02127c535a15590f98c6ac7a624a",
  "key": "cf0e02127c535a15590f98c6ac7a624a",
  "value": {
    "rev": "1-66e76cbe25f1c7ad425d27ab59d8656"
  },
  "doc": {
    "_id": "cf0e02127c535a15590f98c6ac7a624a",
    "_rev": "1-66e76cbe25f1c7ad425d27ab59d8656",
    "payload": {
      "date": "2021-07-15T18:30:00.000Z",
      "time": "1970-01-01T07:22:00.000Z"
    },
    "socketid": "xTu13oV8MLTWnRZAAa"
  }
}
```

 The bottom of the interface shows 'Showing document 1 - 1' and 'Documents per page: 20'.