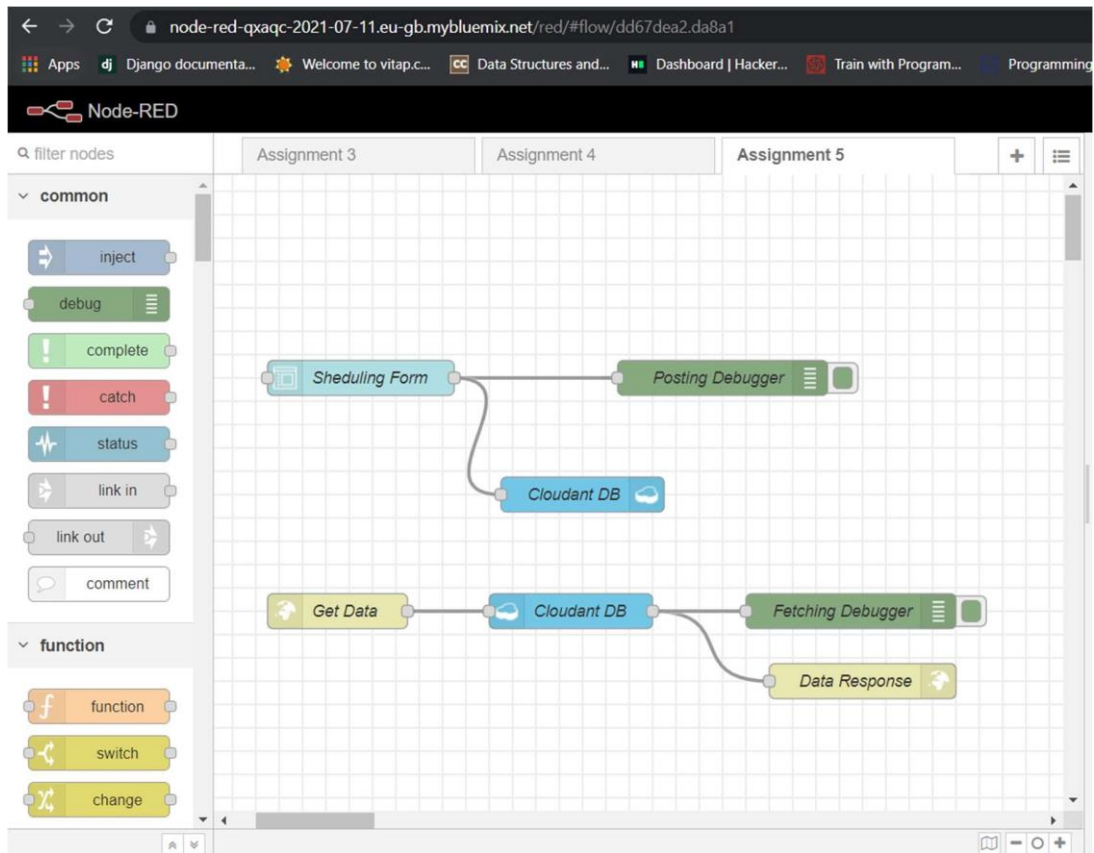


## Assignment 5

### Task:

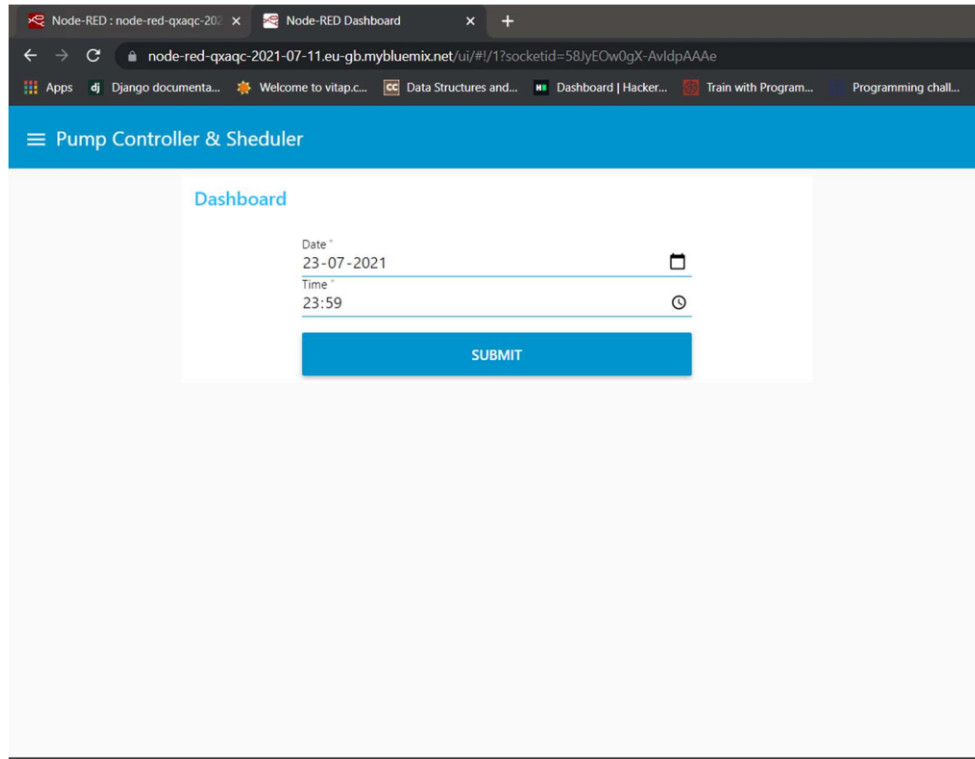
Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB.

### Node Red Architecture:



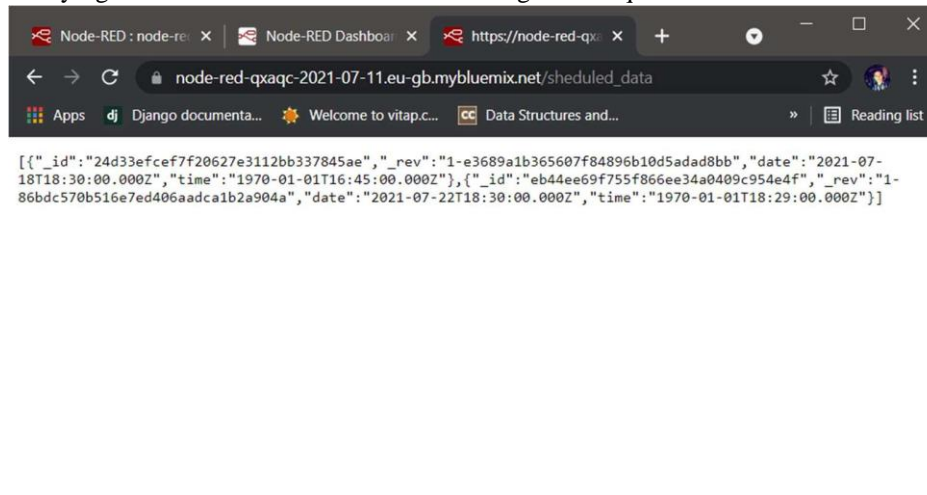
## Working Prototype:

1. Scheduling the pump activity using Node Red Form UI



The screenshot shows a web browser window with the Node-RED Dashboard. The page title is "Pump Controller & Scheduler". Below the title, there is a "Dashboard" section. It contains two input fields: "Date" with the value "23-07-2021" and a calendar icon, and "Time" with the value "23:59" and a clock icon. Below these fields is a blue "SUBMIT" button.

2. Verifying the data stored in Cloudant DB using GET request



The screenshot shows a web browser window with the URL `https://node-red-qxaqc-2021-07-11.eu-gb.mybluemix.net/scheduled_data`. The response is a JSON array of objects, each representing a scheduled pump activity. The data is as follows:

```
[{"_id": "24d33efcef7f20627e3112bb337845ae", "_rev": "1-e3689a1b365607f84896b10d5adad8bb", "date": "2021-07-18T18:30:00.000Z", "time": "1970-01-01T16:45:00.000Z"}, {"_id": "eb44ee69f755f866ee34a0409c954e4f", "_rev": "1-86bdc570b516e7ed406aadca1b2a904a", "date": "2021-07-22T18:30:00.000Z", "time": "1970-01-01T18:29:00.000Z"}]
```