Assignment 5

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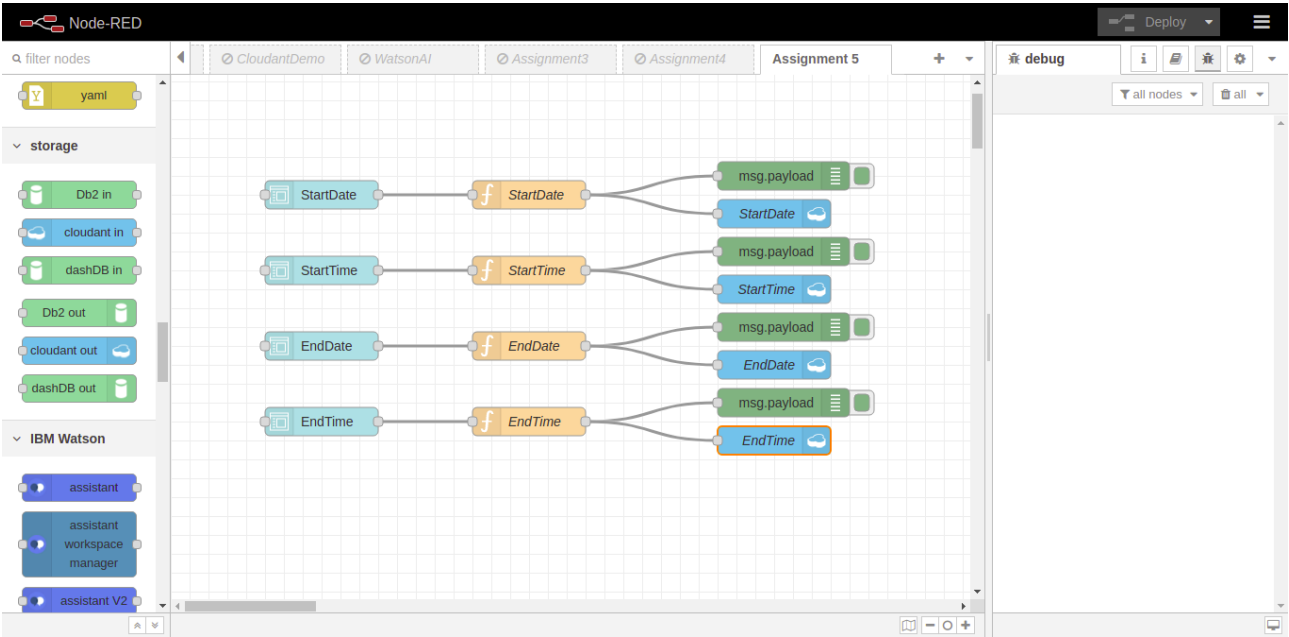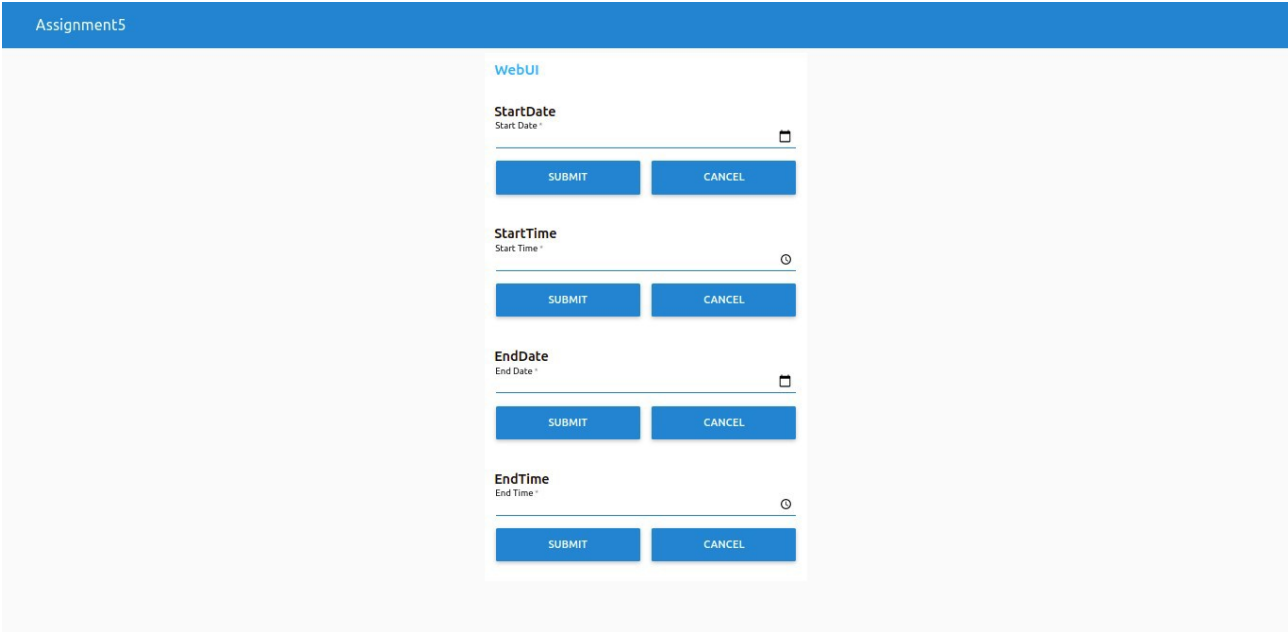
Ans:

<u>Nodes</u>

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","splitLayout":"","className":"","x":160,"y":420,"wires":[["9275add2aee3a347"]]},
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Date","value":"enddate","type":"date","required":true,"rows":null}],"formValue":
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,"splitLayout":"","className":"","x":160,"y":340,"wires":[["41dccec13bd400c6"]]},
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bar":true,"console":false,"tostatus":false,"complete":"false","statusVal":"","statusType":"auto","x":6
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bar":true,"console":false,"tostatus":false,"complete":"false","statusVal":"","statusType":"auto","x":6
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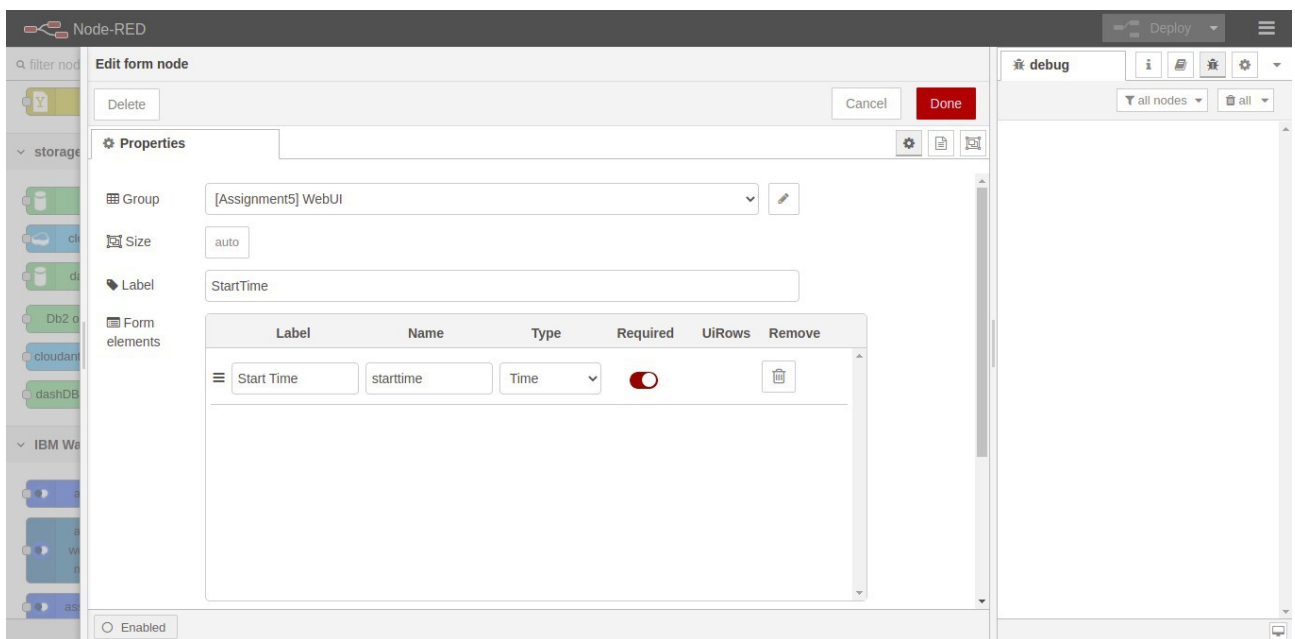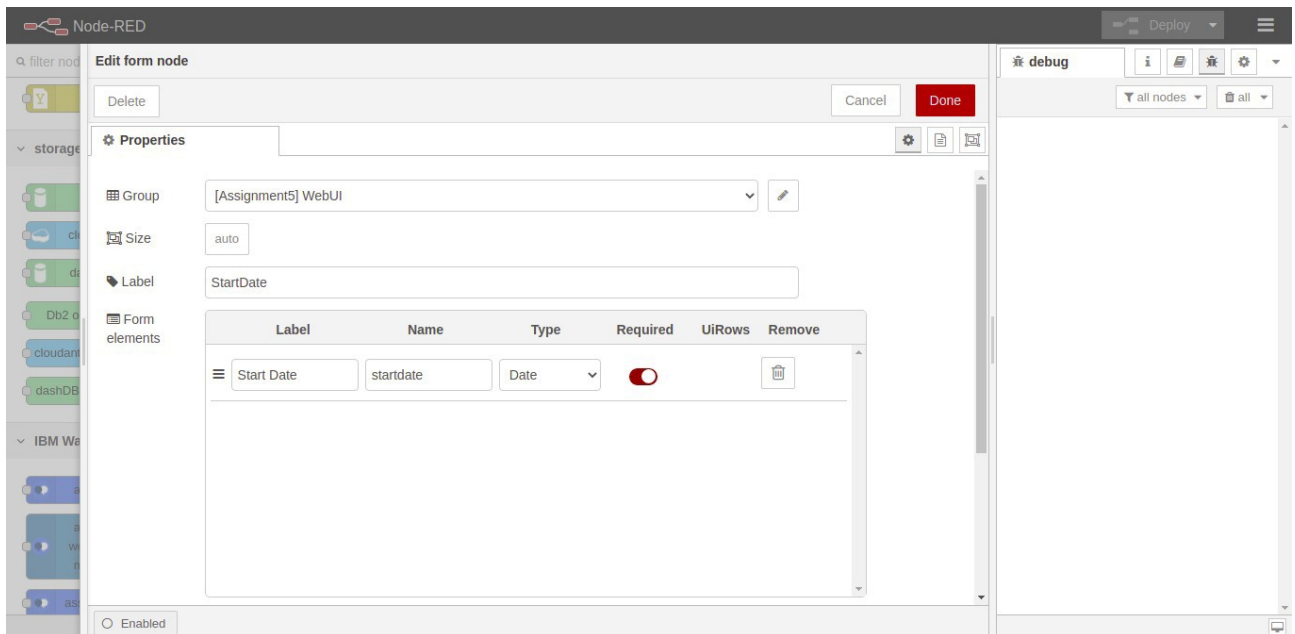ucts","service":"_ext_","payonly":true,"operation":"insert","x":640,"y":200,"wires":[]},

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Working Screenshots:

Node-RED   Deploy ▾   ☰

Q filter nodes   ⊘ CloudantDemo

common
- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function
- function
- switch

StartDate
StartTime
EndDate
EndTime

Edit function node

Delete   Cancel   Done

⚙ Properties   ⚙ 🗎 🖼

🏷 Name   StartDate   ▾

⚙ Setup | On Start | **On Message** | On Stop

```
1 ▾ msg.payload = {
2       "_id": "products:startdate",
3       "startdate": msg.payload.startdate
4 ▾ };
5   return msg;
```

○ Enabled

🐞 debug   i 🗎 🐞 ⚙ ▾
▼ selected nodes ▾   🗑 all ▾

Node-RED   Deploy ▾   ☰

Q filter nodes   ⊘ CloudantDemo

common
- inject
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function
- function
- switch

StartDate
StartTime
EndDate
EndTime

Edit function node

Delete   Cancel   Done

⚙ Properties   ⚙ 🗎 🖼

🏷 Name   StartTime   ▾

⚙ Setup | On Start | **On Message** | On Stop

```
1 ▾ msg.payload = {
2       "_id": "products:starttime",
3       "starttime": msg.payload.starttime,
4 ▾ };
5   return msg;
```

○ Enabled

🐞 debug   i 🗎 🐞 ⚙ ▾
▼ selected nodes ▾   🗑 all ▾

Assignment5

WebUI

StartDate
Start Date *
10/12/2021

SUBMIT   CANCEL

StartTime
Start Time *
23:34

SUBMIT   CANCEL

EndDate
End Date *

SUBMIT   CANCEL

EndTime
End Time *

Node-RED   Deploy

Q filter nodes

CloudantDemo   WatsonAI   Assignment3   Assignment4   **Assignment 5**   +

debug

common

inject
debug
complete
catch
status
link in
link call
link out
comment

function

function
switch

StartDate — StartDate — msg.payload / StartDate
StartTime — StartTime — msg.payload / StartTime
EndDate — EndDate — msg.payload / EndDate
EndTime — EndTime — msg.payload / EndTime

selected nodes   all

14/12/2021, 22:34:55 node: 699762f95d3d6173
msg.payload : Object
▸ { _id: "products:startdate",
startdate: "2021-12-
09T18:30:00.000Z" }

14/12/2021, 22:34:55 node: StartDate
msg : string[45]
"Failed to insert document: couch
returned 409"

14/12/2021, 22:34:56 node: a3595373eee74d68
msg.payload : Object
▸ { _id: "products:starttime",
starttime: "1970-01-
01T18:04:00.000Z" }

Document ID

Options { } JSON

		id	key	value
☐	📄	https://s3.jp-tok.cloud-object-storage....	https://s3.jp-tok.cloud-object-storage....	{ "rev": "1-967a00dff5e02add418191...
☐	📄	products:10001	products:10001	{ "rev": "1-f24cf29b3b5e3c1636d4e4...
☐	📄	products:startdate	products:startdate	{ "rev": "3-559fc892acbe7215023ecf...
☐	📄	products:starttime	products:starttime	{ "rev": "1-2aab72249a09bb7b07574...

All Documents

Query

Permissions

Changes

Design Documents

Table   Metadata   {} JSON

Create Document

Showing document 1 - 4.   Documents per page: 20

Log Out

---

products > products:startdate

{ } JSON

Save Changes   Cancel

Upload Attachment   Clone Document   Delete

```json
1
2  "_id": "products:startdate",
3  "_rev": "3-559fc892acbe7215023ecf1b9cf93223",
4  "startdate": "2021-12-14T18:30:00.000Z"
5  }
```

Log Out

{ } JSON

Save Changes Cancel

Upload Attachment Clone Document Delete

```
1  {
2    "_id": "products:starttime",
3    "_rev": "1-2aab72249a09bb7b075749d0c61a2409",
4    "starttime": "1970-01-01T18:04:00.000Z"
5  }
```

Log Out