

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.

Python code for dashboard:

```
documentcreation.py - C:\Users\JASWANTH\Desktop\ibm\open cv\face detection\cloud service\documentcreation.py (3.9.5)
File Edit Format Run Options Window Help
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator
import datetime

d=datetime.datetime.now()

print ("Year : ", end = "")
print (d.year)

print ("Month : ", end = "")
print (d.month)

print ("Day : ", end = "")
print (d.day)

print ("Hour : ", end = "")
print (d.hour)

print ("Minute : ", end = "")
print (d.minute)

print ("Second : ", end = "")
print (d.second)

authenticator = BasicAuthenticator('apikey-v2-219qe33g6ayqiya0m6sy7xf50lhdegz4vz8bo8aleby', 'e8d4feab886dae5815a8fe7b017a546f')
service = CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-219qe33g6ayqiya0m6sy7xf50lhdegz4vz8bo8aleby:e8d4feab886dae5815a8fe7b017a546f@29ffdc51-6c85-41e2-8d74-cd8139594a60-blumix.cloudantnosqldb.appdoms')

products_doc = {
    "year": d.year,
    "month": d.month,
    "day": d.day,
    "hour": d.hour,
    "minute": d.minute,
    "second": d.second,
}

response = service.post_document(db='assignment', document=products_doc).get_result()
print(response)
```

Output in python shell:

```
IDLE Shell 3.9.5
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcd, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\JASWANTH\Desktop\ibm\open cv\face detection\cloud service\documentcreation.py
Year : 2021
Month : 7
Day : 18
Hour : 23
Minute : 0
Second : 47
{'ok': True, 'id': '20d376f7b65203d4859bfc514d6974a5', 'rev': '1-57cc87cace5abac2010f9f1a9ff80533'}
>>> |
```

Output in cloud :

The screenshot displays a web browser window with multiple tabs. The active tab is titled "assignment" and shows a URL: `20d376f7b65203d4859bfc514d6974a5`. The interface includes a sidebar with navigation icons and a main content area displaying a JSON document. The JSON document is as follows:

```
{
  "_id": "20d376f7b65203d4859bfc514d6974a5",
  "_rev": "1-57cc87cace5abac2010f9f1a9ff80533",
  "year": 2021,
  "month": 7,
  "day": 18,
  "hour": 23,
  "minute": 0,
  "second": 47
}
```

Below the JSON document, there are buttons for "Save Changes", "Cancel", "Upload Attachment", "Clone Document", and "Delete". The bottom of the screen shows a Windows taskbar with the search bar and various application icons.