

IMPLEMENTING WEB APPLICATION

CREATE IBM DB2 AND CONNECT WITH PYTHON

| | |
|--------------|--------------------------|
| Date | 18 November, 2022 |
| Team ID | PNT2022TMID27128 |
| Project Name | Plasma Donor Application |

The screenshot shows the IBM Db2 on Cloud console interface. The 'Tables' tab is selected. On the left, under 'Schemas', the schema 'BTB13702' is selected, showing it is a 'User' type with 2 tables. On the right, under 'Tables', two tables are listed: 'DONORS_DETAILS' and 'HOSPITALS_DETAILS', both belonging to the 'BTB13702' schema. The 'DONORS_DETAILS' table is highlighted.

| Name | Type | Tables |
|----------|------|--------|
| BTB13702 | User | 2 |

| Name | Schema | Properties |
|-------------------|----------|------------|
| DONORS_DETAILS | BTB13702 | ... |
| HOSPITALS_DETAILS | BTB13702 | ... |

The screenshot shows the data view for the 'BTB13702.DONORS_DETAILS' table. The table has 8 columns: DONOR_NAME, DATE_OF_BIRTH, AGE, DONOR_GENDER, DONOR_BLOOD_GROUP, DONOR_ADDRESS, DONOR_CITY, and DONOR_STATE. Two rows of data are displayed.

| DONOR_NAME | DATE_OF_BIRTH | AGE | DONOR_GENDER | DONOR_BLOOD_GROUP | DONOR_ADDRESS | DONOR_CITY | DONOR_STATE |
|------------|---------------|-----|--------------|-------------------|---|------------|-------------|
| Anu | 2004-05-15 | 20 | Female | A+ve | 64 part, Lakshmi Narayana Perumal koil street | Chennai | Tamil Nadu |
| Aswini | 2001-09-09 | 21 | Female | B+ve | 26, Teachers Colony, Avadi | Chennai | Tamil Nadu |

| BTB13702.HOSPITALS_DETAILS | | | | | | |
|----------------------------|---------------|-------------------------|---|---------------|----------------|------------------|
| HOSPITAL_NAME | HOSPITAL_DATE | HOSPITAL_CONTACT_NUMBER | HOSPITAL_ADDRESS | HOSPITAL_CITY | HOSPITAL_STATE | HOSPITAL_EMAIL |
| Arathi | 2018-07-05 | 7865467567 | 24, Gandhi Street, Ambattur, Chennai-99 | Chennai | Tamil Nadu | arathi@gmail.com |
| Geetha | 2018-06-07 | 6754357654 | 24, Gandhi Street, Ambattur, Chennai-99 | Chennai | Tamil Nadu | geetha@gmail.com |

login_hospital.html

templates > login_hospital.html > html > bod

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Com
6   <meta name="viewport" cont
7   <title>Hospital</title>
8   <link rel="stylesheet" hre
9 </head>
10 <body>
11   <div class="log_in_section
12     <div class="log_in_con
13       <h2>Log In</h2>
14       <h3>Hospital</h3>
15       <div class="log_in
16         <form action="
17           <label>Use
18           <input typ
19           <label>Pas
20           <input typ
21           <button cl
22         <p>Don't ha
23       </form>
24     </div>
11   <div class="log_in_section
12     <div class="log_in_con
13       <h2>Log In</h2>
14       <h3>Hospital</h3>
15       <div class="log_in
16         <form action="
17           <label>Use
18           <input typ
19           <label>Pas
20           <input typ
21           <button cl
22         <p>Don't ha
23       </form>
24     </div>

```

login.css

static > login.css > *

```

1 {
2   margin:0;
3   padding:0;
4   box-sizing: border-box;
5   font-family: 'Montserrat',
6 }
7
8 body{
9   background-color: rgba(2
10 }
11
12 .log_in_section{
13   max-width: 100%;
14   height:100vh;
15   display:grid;
16   grid-template-columns: 1fr
17   align-items: center;
18   justify-items: center;
19 }
20
21 .log_in_container{
22   box-shadow: rgba(0, 0, 0
23   border-radius: 5px;
24   padding:2em;

```

```
homepage_donor.html > templates > request_plasma.html > static > login.css > body
1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4 <meta charset="U
5 <meta http-equiv
6 <meta name="view
7 <title>Home page
8 </--bootstrap fi
9 <link href="http
10 <script src="htt
11 <link rel="style
12 </--bootstrap cod
13 <style>
14
15 .custom-toggler.
16
17
18 border
19
20
21
22
23
24 .custom-to

templates > request_plasma.html > static > login.css > body
1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4 <meta charset="U
5 <meta http-equiv
6 <meta name="view
7 <title>Hospital<
8 <link rel="style
9 </head>
10 <body>
11 <div class="log
12 <div class="log
13 <h2>Dono
14 <div cla
15 <for
16
17
18
19
20
21
22
23
24

static > login.css > body
1 *{
2 margin:0;
3 padding:0;
4 box-sizing: bord
5 font-family: 'Mo
6 }
7
8 body{
9 background-color
10 }
11
12 .log_in_section{
13 max-width: 100%;
14 height:100vh;
15 display:grid;
16 grid-template-co
17 align-items: cen
18 justify-items: c
19 }
20
21 .Log_in_container{
22 box-shadow: 0 0 10px #000;
23 border-radius: 5px;
24 padding:20px;

homepage_hospital.html > templates > homepage_hospital.html
1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4 <meta charset="U
5 <meta http-equiv
6 <meta name="view
7 <title>Home page
8 </--bootstrap fi
9 <link href="http
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11 <link rel="style
12 </--bootstrap cod
13 <style>
14
15 .custom-toggler.
16
17
18 border
19
20
21
22
23
24 .custom-to
```

```
app.py > ...
1 from flask import Flask
2 import ibm_db, re
3 app = Flask(__name__)
4 app.secret_key = "1123"
5 conn = ibm_db.connec
6 # index pages starts
7 @app.route("/")
8 def hello_world():
9     return render_te
10
11 @app.route("/log_in")
12 def login():
13     return render_te
14
15 @app.route("/contact")
16 def contact_us():
17     return render_te
18 # index pages ends
19
20 @app.route("/login_a")
21 def login_admin():
22     return render_te
23
24 @app.route("/login_d

app.py > ...
25 def login_donor():
26     global userid
27     msg = ''
28     if request.metho
29         donor_name =
30         donor_passwo
31         sql = "SELEC
32         stmt = ibm_d
33         ibm_db.bind_
34         ibm_db.bind_
35         ibm_db.execu
36         account = ib
37         print (accou
38         if account:
39             session[
40             session[
41             userid =
42             session[
43             msg = 'L
44
45         return r
46     else:
47         msg = 'I

app.py > ...
48 return render_te
49
50 @app.route("/login_h
51 def login_hospital()
52     global userid
53     msg = ''
54     if request.metho
55         hospital_nam
56         hospital_pas
57         sql = "SELEC
58         (module) ibm_db
59         ibm_db.bind_
60         ibm_db.bind_
61         ibm_db.execu
62         account = ib
63         print (accou
64         if account:
65             session[
66             session[
67             userid =
68             session[
69             msg = 'L
70
71         return r

app.py > ...
68 session[
69 msg = 'L
70
71 return r
72 else:
73 msg = 'I
74 return render_te
75
76 @app.route("/signup_
77 def signup_donor():
78     msg = ''
79     if request.metho
80         donor_name =
81         date_of_birt
82         age = reques
83         donor_gender
84         donor_blood_
85         donor_addres
86         donor_city =
87         donor_state
88         donor_email
89         donor_passwo
90         sql = "SELEC
91         stmt = ibm_d
```