

PROJECT DEVELOPMENT PHASE

SPRINT – 4

Date	13th November 2022
Team Id	PNT2022TMID14112
Project Name	Plasma Donor Application

Maintaining the Database

The screenshot displays the IBM Db2 on Cloud web interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is active, showing a list of tables in the 'DKF92060' schema: DONOR2, EXAMPLE, LOGIN, PERSONS, REQUEST2, and USER. The 'Table definition' panel for 'REQUEST2' is open, showing columns: DRMAIL (VARCHAR, 255), HOSPITALNAME (VARCHAR, 255), RECNAME (VARCHAR, 255), RECMOBILE (INTEGER), RECMAIL (VARCHAR, 255), RECAGE (INTEGER), and RECENDER (VARCHAR, 10). Below the table list, the 'DKF92060.LOGIN' table is selected, showing its structure with columns: USERNAME, USERMAIL, USERCONTACT, and PASSWORD. The table contains one row of data for 'Soundaria'.

Name	Schema	Properties
<input type="checkbox"/> DONOR2	DKF92060	...
<input type="checkbox"/> EXAMPLE	DKF92060	...
<input type="checkbox"/> LOGIN	DKF92060	...
<input type="checkbox"/> PERSONS	DKF92060	...
<input type="checkbox"/> REQUEST2	DKF92060	...
<input type="checkbox"/> USER	DKF92060	...

Total: 6, selected: 0

Name	Data type	Nullable	Length	Scale
DRMAIL	VARCHAR	Y	255	0
HOSPITALNAME	VARCHAR	Y	255	0
RECNAME	VARCHAR	Y	255	0
RECMOBILE	INTEGER	Y		0
RECMAIL	VARCHAR	Y	255	0
RECAGE	INTEGER	Y		0
RECENDER	VARCHAR	Y	10	0

View data

DKF92060.LOGIN

USERNAME	USERMAIL	USERCONTACT	PASSWORD
Soundaria	19cs155@kpriest.ac.in	9876543210	1234567890

Export to CSV

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

Find schemas or tables Refresh

Name	Schema	Properties
<input type="checkbox"/> DONOR2	DKF92060	...
<input type="checkbox"/> EXAMPLE	DKF92060	...
<input type="checkbox"/> LOGIN	DKF92060	...
<input type="checkbox"/> PERSONS	DKF92060	...
<input type="checkbox"/> REQUEST2	DKF92060	...
<input type="checkbox"/> USER	DKF92060	...

Total: 6, selected: 0

Table definition

DONOR2 No statistics available

Name	Data type	Nullable	Length	Scale
NAME	VARCHAR	Y	255	0
MOBILE	VARCHAR	Y	255	0
EMAIL	VARCHAR	Y	255	0
AGE	INTEGER	Y		0
GENDER	VARCHAR	Y	10	0
BLOOD	VARCHAR	Y	255	0
AREA	VARCHAR	Y	255	0

View data

Deploy in Kubernetes

← → Not secure | http://159.122.103.253:1600


Plasma Donor Application Home Register Login

Donate Plasma to Begin Changing Someone's Life.

Donating Plasma

Plasma donations help save lives. Ask for Plasma and Receive Lives!

[Donate Plasma](#)

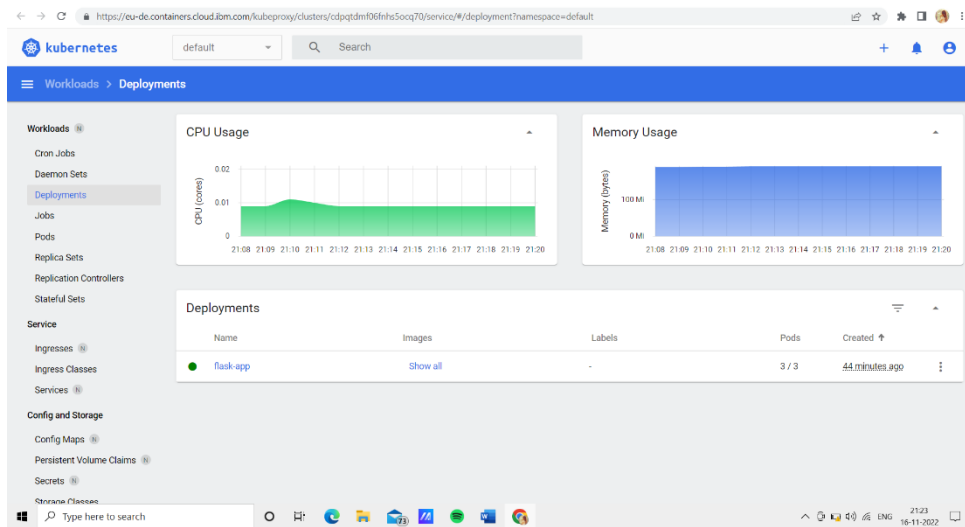
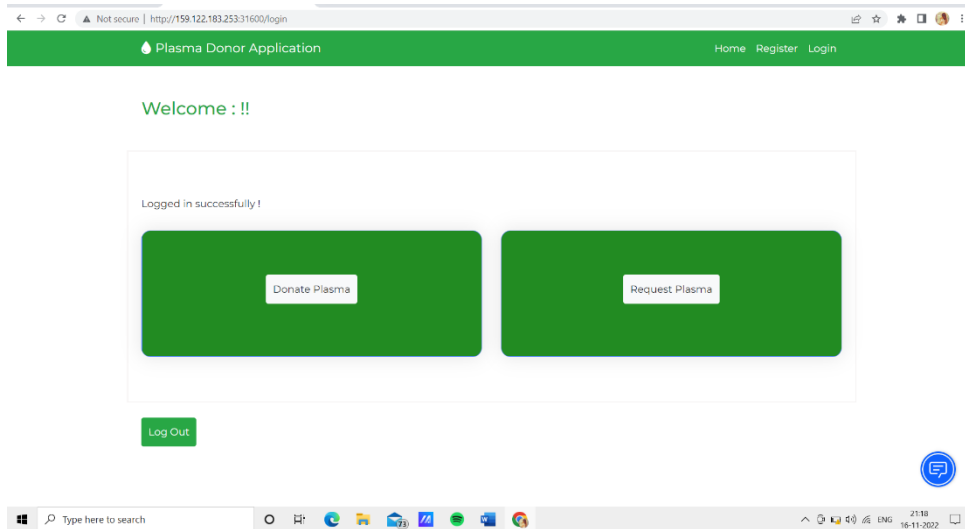


Know more about Plasma

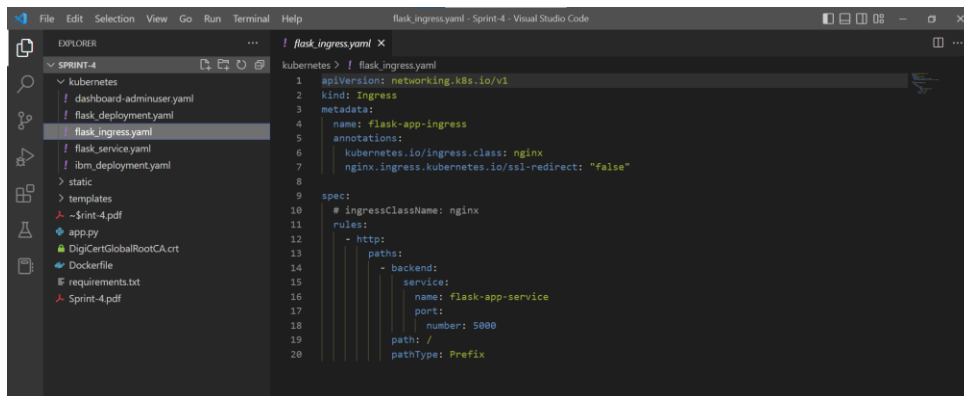
Hi! I'm a virtual assistant. How can I help you today?

Type here to search

21:17 16-11-2022

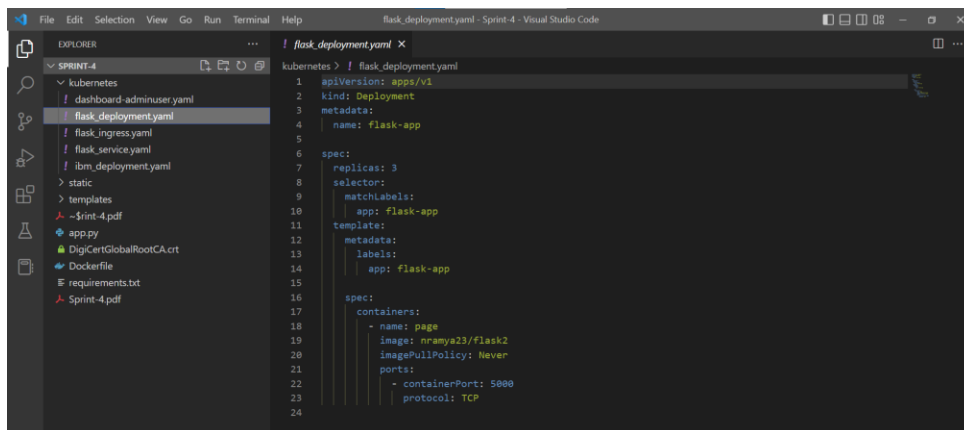


Code



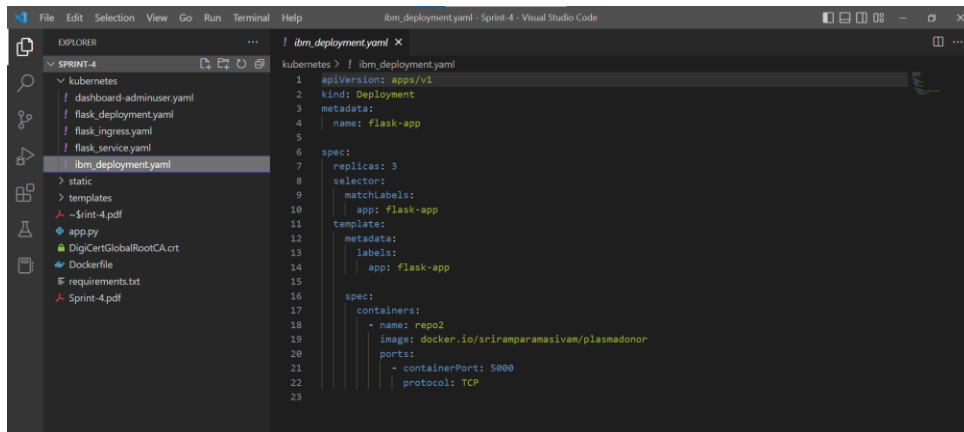
This screenshot shows the Visual Studio Code editor with the `flask_ingress.yaml` file open. The Explorer sidebar on the left shows a project structure for 'SPRINT-4' with a 'kubernetes' directory containing several YAML files. The main editor area displays the content of `flask_ingress.yaml`, which is a Kubernetes Ingress resource definition for a Flask application.

```
kubernetes > ! flask_ingress.yaml
1 apiVersion: networking.k8s.io/v1
2 kind: Ingress
3 metadata:
4   name: flask-app-ingress
5   annotations:
6     kubernetes.io/ingress.class: nginx
7     nginx.ingress.kubernetes.io/ssl-redirect: "false"
8
9 spec:
10   # ingressClassName: nginx
11   rules:
12     - http:
13         paths:
14           - backend:
15               service:
16                 name: flask-app-service
17                 port:
18                   number: 5000
19             path: /
20             pathType: Prefix
```



This screenshot shows the Visual Studio Code editor with the `flask_deployment.yaml` file open. The Explorer sidebar on the left shows the same project structure as the previous screenshot. The main editor area displays the content of `flask_deployment.yaml`, which is a Kubernetes Deployment resource definition for a Flask application.

```
kubernetes > ! flask_deployment.yaml
1 apiVersion: apps/v1
2 kind: Deployment
3 metadata:
4   name: flask-app
5
6 spec:
7   replicas: 3
8   selector:
9     matchLabels:
10       app: flask-app
11   template:
12     metadata:
13       labels:
14         app: flask-app
15
16 spec:
17   containers:
18     - name: page
19       image: nramya23/flask2
20       imagePullPolicy: Never
21       ports:
22         - containerPort: 5000
23         protocol: TCP
24
```



This screenshot shows the Visual Studio Code editor with the `ibm_deployment.yaml` file open. The Explorer sidebar on the left shows the same project structure as the previous screenshots. The main editor area displays the content of `ibm_deployment.yaml`, which is a Kubernetes Deployment resource definition for a Flask application.

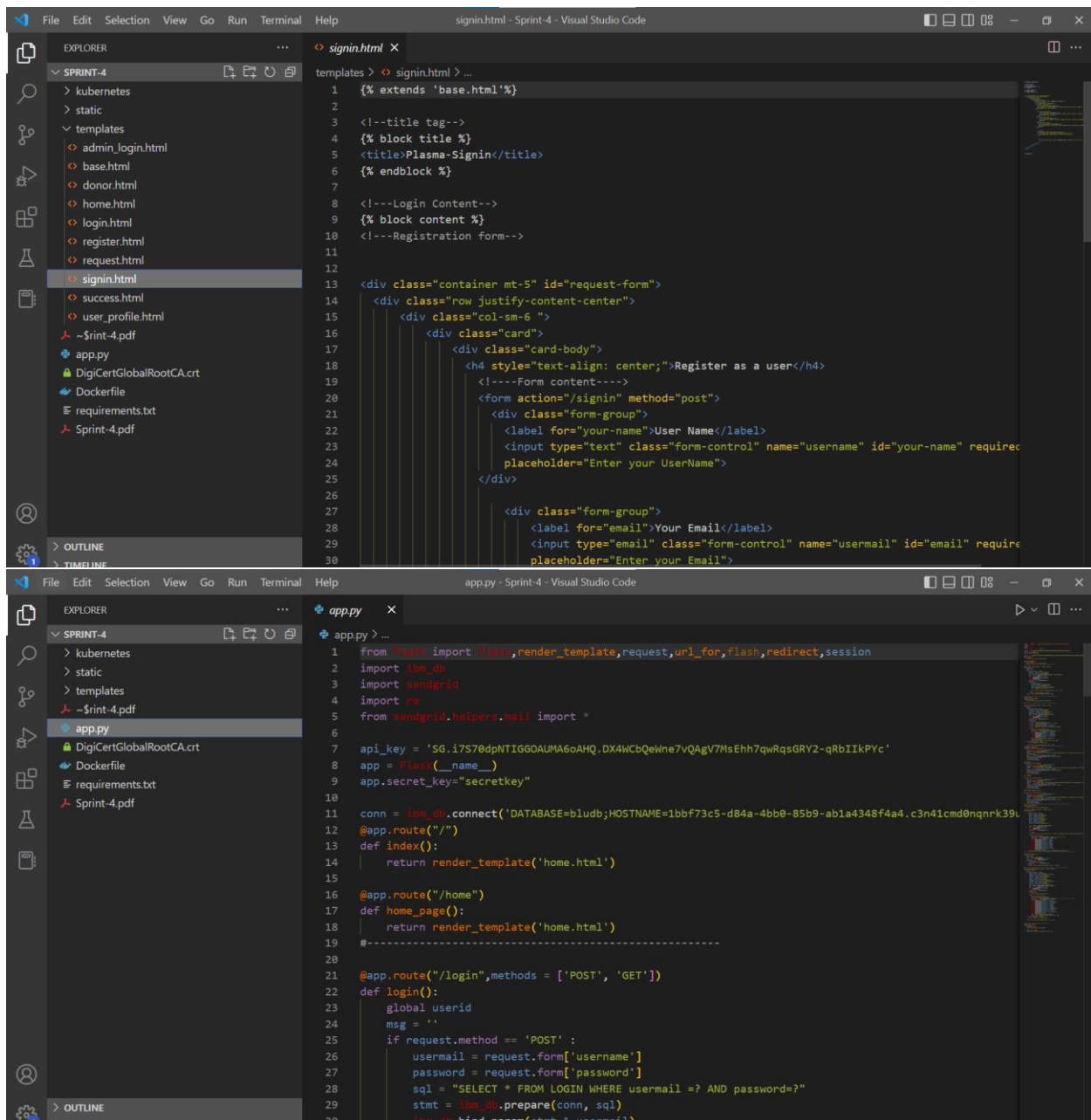
```
kubernetes > ! ibm_deployment.yaml
1 apiVersion: apps/v1
2 kind: Deployment
3 metadata:
4   name: flask-app
5
6 spec:
7   replicas: 3
8   selector:
9     matchLabels:
10       app: flask-app
11   template:
12     metadata:
13       labels:
14         app: flask-app
15
16 spec:
17   containers:
18     - name: repo2
19       image: docker.io/sriremparamasivam/plasmadonor
20       ports:
21         - containerPort: 5000
22         protocol: TCP
23
```

base.html - Sprint-4 - Visual Studio Code

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <!-- Required meta tags -->
6     <meta charset="utf-8">
7     <meta http-equiv="X-UA-Compatible" content="IE=edge">
8     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
9     <!-- font awesome -->
10    <script src="https://kit.fontawesome.com/15af226b72.js" crossorigin="anonymous"></script>
11
12    <!-- Bootstrap CSS -->
13    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.
14          integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="
15
16    <!-- Google Font -->
17    <style>
18        @import url('https://fonts.googleapis.com/css2?family=Montserrat:ital,wght@0,100;0,200;0,300;
19    </style>
20    <!-- contains style for all pages -->
21    <link rel="stylesheet" href="{% url_for('static', filename='style.css') %}">
22    <script src="https://kit.fontawesome.com/000fb23390.js" crossorigin="anonymous"></script>
23    {% block link %}
24    {% endblock %}
25    {% block title %}
26    {% endblock %}
27 </head>
```

register.html - Sprint-4 - Visual Studio Code

```
1 {% extends 'base.html' %}
2
3 <!-- title tag -->
4 {% block title %}
5 <title>Plasma-Register</title>
6 {% endblock %}
7
8 {% block content %}
9
10 <!--Registration form-->
11
12 <div class="container mt-5"><div class="row"><div class="col-sm-12"><div class="card">
13 <div class="card-body">
14     <form action="/adddonor" method="post">
15         <h4 style="text-align: center;">Donating Plasma</h4>
16         <div class="form-group">
17             <label for="name">Full Name</label>
18             <input type="text" class="form-control" name="name" id="name" placeholder="Enter your Name" required>
19         </div>
20         <!-- Splitting into two grids -->
21         <div class="form-row">
22             <div class="col-sm-6">
23                 <div class="form-group mr-4">
24                     <label for="mobile">Mobile Number</label>
25                     <input type="tel" class="form-control" name="mobile" id="mobile" required
26                     placeholder="Enter your Mobile No.">
27                 </div>
28             </div>
29         </div>
30     </form>
31 </div>
32 </div>
33 </div>
```



```
File Edit Selection View Go Run Terminal Help app.py - Sprint-4 - Visual Studio Code
EXPLORER
SPRINT-4
  > kubernetees
  > static
  > templates
  ~$sprint-4.pdf
  app.py
  DigiCertGlobalRootCA.crt
  Dockerfile
  requirements.txt
  Sprint-4.pdf
  > OUTLINE

app.py
129
130 #for request sending to donor
131 #
132 def mailtest_requesttodonor(to_email):
133     sg = sendgrid.SendGridAPIClient(api_key= api_key )
134     from_email = Email("19cs157@kpriet.ac.in")
135     subject = "Requesting Plasma"
136     content = Content("text/plain", "Your registration has been requested by a recipient, we will sha
137     mail = Mail(from_email, to_email, subject, content)
138     response = sg.client.mail.send.post(request_body=mail.get())
139     print(response.status_code)
140     print(response.body)
141     print(response.headers)
142     #-----
143     @app.route("/register")
144     def register():
145         return render_template('register.html')
146
147     @app.route("/adddonor", methods = ['POST', 'GET'])
148     def adddonor():
149
150         if request.method == 'POST':
151             name = request.form['name']
152             mobile = request.form['mobile']
153             email = request.form['email']
154             age = request.form['age']
155             gender = request.form['gender']
156             blood = request.form['blood']
157             area = request.form['area']
158             city = request.form['city']
```

```
File Edit Selection View Go Run Terminal Help app.py - Sprint-4 - Visual Studio Code
EXPLORER
SPRINT-4
  > kubernetees
  > static
  > templates
  ~$sprint-4.pdf
  app.py
  DigiCertGlobalRootCA.crt
  Dockerfile
  requirements.txt
  Sprint-4.pdf
  > OUTLINE

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