

PROJECT DEVELOPMENT PHASE

SPRINT – 4

Date	13 th November 2022
Team Id	PNT2022TMID14117
Project Name	Plasma Donor Application

Maintaining the Database

The screenshot displays the IBM Db2 on Cloud console. The top navigation bar includes options like 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main content area shows a table named 'PCX36046.REQUEST2'. The table has the following columns: DRMAIL, HOSPITALNAME, RECNAME, RECMOBILE, RECMAIL, RECAGE, RECENDER, RECBLOODGROUP, RECAREA, and RECCITY. A single row of data is visible. The interface includes a 'Back' button and an 'Export to CSV' button.

DRMAIL	HOSPITALNAME	RECNAME	RECMOBILE	RECMAIL	RECAGE	RECENDER	RECBLOODGROUP	RECAREA	RECCITY
19cs157@kpriet.ac.in	ganga	123	2345	19cs157@kpriet.ac.in	32	Male	O+	qwr	123

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

PCX36046.LOGIN

Back

Export to CSV

USERNAME	USERMAIL	USERCONTACT	PASSWORD
BASS9376	19cs157@kpriet.ac.in	123456	bass
SRIRAM	dev.sriramp@gmail.com	1234567890	12345
bass@gmail.com	ba@gmail.com	bass@gmail.com	bass

Postman

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

PCX36046.DONOR2

Back

Export to CSV

NAME	MOBILE	EMAIL	AGE	GENDER	BLOOD	AREA	CITY	DISTRICT
1234	12345678	19cs157@kpriet.ac.in	25	Male	O+	12345	1234	123

Deploy in Kubernetes

plasma - Kubernetes Dashboard

https://eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdpmbb3f0a4tor240qfg/service/ti/deployment?...

kubernetes

default

Search

Workloads > Deployments

Workloads

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service

- Ingresses
- Ingress Classes
- Services

Config and Storage

- Config Maps

CPU Usage

Memory Usage

Deployments

Name	Images	Labels	Pods	Created
flask-app	Show all	-	3 / 3	9 minutes ago

Firefox

Plasma-Signin

159.122.181.164:31760/signin

Plasma Donor Application

Home Register Login

Register as a user

User Name

Your Email

Phone

Your Password

Reset Register

Plasma-Signin

159.122.181.164:31760/signin

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

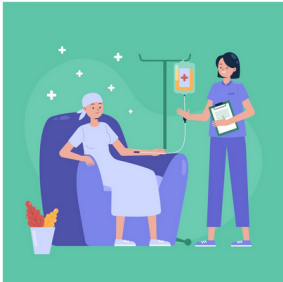
Visual Studio Code

Plasma-Home

159.122.181.164:31760/home

Plasma Donor Application

Home Register Login



Code

The image displays two screenshots of the Visual Studio Code editor interface, showing Kubernetes configuration files for a dashboard-adminuser and a flask-deployment.

Top Screenshot: dashboard-adminuser.yaml - Sprint-4 - Visual Studio Code

```
kubernetes > ! dashboard-adminuser.yaml
1  apiVersion: v1
2  kind: ServiceAccount
3  metadata:
4    name: admin-user
5    namespace: sriramparamasivam
6
7  apiVersion: v1
8  kind: Secret
9  metadata:
10   name: admin-user-token
11   namespace: sriramparamasivam
12   annotations:
13     kubernetes.io/service-account.name: admin-user
14   type: kubernetes.io/service-account-token
15
16 ---
17 apiVersion: rbac.authorization.k8s.io/v1
18 kind: ClusterRoleBinding
19 metadata:
20   name: admin-user
21   roleRef:
22     apiGroup: rbac.authorization.k8s.io
23     kind: ClusterRole
24     name: cluster-admin
25   subjects:
26     - kind: ServiceAccount
27       name: admin-user
28       namespace: sriramparamasivam
```

Bottom Screenshot: flask_deployment.yaml - Sprint-4 - Visual Studio Code

```
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      spec:
16        containers:
17          - name: page
18            image: namya23/flask2
19            imagePullPolicy: Never
20            ports:
21              - containerPort: 5000
22                protocol: TCP
```

flask_ingress.yaml - Sprint-4 - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help

EXPLORER
  SPRINT-4
    _pycache_
    app.cpython-39.pyc
    kubernet
      dashboard-adminuser.yaml
      flask_deployment.yaml
      flask_ingress.yaml
      flask_service.yaml
      ibm_deployment.yaml
    static
      home.css
      style.css
    templates
      admin_login.html
      base.html
      donor.html
      home.html
      login.html
      register.html
      request.html
      signin.html
      success.html
      user_profile.html
    app.py
    DigiCertGlobalRootCA.crt
    Dockerfile
    requirements.txt

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             name: flask-app-service
16             port:
17               number: 5000
18           path: /
19           pathType: Prefix
```

Postman

flask_service.yaml - Sprint-4 - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help

EXPLORER
  SPRINT-4
    _pycache_
    app.cpython-39.pyc
    kubernet
      dashboard-adminuser.yaml
      flask_deployment.yaml
      flask_ingress.yaml
      flask_service.yaml
      ibm_deployment.yaml
    static
      home.css
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    templates
      admin_login.html
      base.html
      donor.html
      home.html
      login.html
      register.html
      request.html
      signin.html
      success.html
      user_profile.html
    app.py
    DigiCertGlobalRootCA.crt
    Dockerfile
    requirements.txt

kubernetes > flask_service.yaml
1 apiVersion: v1
2 kind: Service
3 metadata:
4   name: flask-app-service
5 spec:
6   type: ClusterIP
7   ports:
8     - port: 5000
9     selector:
10       app: flask-app
```

Cheese

ibm_deployment.yaml - Sprint-4 - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help

EXPLORER
  SPRINT-4
    _pycache_
    app.cpython-39.pyc
    kubernet
      dashboard-adminuser.yaml
      flask_deployment.yaml
      flask_ingress.yaml
      flask_service.yaml
      ibm_deployment.yaml
    static
      home.css
      style.css
    templates
      admin_login.html
      base.html
      donor.html
      home.html
      login.html
      register.html
      request.html
      signin.html
      success.html
      user_profile.html
    app.py
    DigiCertGlobalRootCA.crt
    Dockerfile
    requirements.txt

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

Postman

