

SPRINT-3

DATE	28 October 2022
Team ID	PNT2022TMID00855
Project Name	Plasma Donor Application

The following user stories are implemented in this sprint.

- **USN-1: As a user, I can register for the application by entering my email, password, and confirming my password.**
- **USN-2: As a user, I can log into the application using my registered email & password.**

CODE:

dash.html:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Plasma Donor Application</title>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
    <link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
```

```
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Raleway">
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
  <style>
```

```
    html,body,h1,h2,h3,h4,h5 { font-family: "Raleway", sans-serif}
```

```
    body{
```

```
      position: relative;
```

```
    }
```

```
    .modal {
```

```
      visibility: hidden;
```

```
      opacity: 0;
```

```
      position: absolute;
```

```
      top: 0;
```

```
      right: 0;
```

```
      bottom: 0;
```

```
      left: 0;
```

```
      display: flex;
```

```
      align-items: center;
```

```
      justify-content: center;
```

```
      background: rgba(77, 77, 77, .7);
```

```
transition: all .4s;
}

.modal:target {
visibility: visible;
opacity: 1;
}

.modal__content {
border-radius: 4px;
position: relative;
width: 500px;
max-width: 90%;
background: #fff;
padding: 1em 2em;
border: 2px solid yellow;
}

.modal__close {
position: absolute;
top: 10px;
right: 10px;
color: #585858;
text-decoration: none;
font-size: 2rem;
}

.request-button{
height: auto;
padding: .5em 1em;
text-transform: uppercase;
background-color: transparent;
border: 1px solid #000;
border-radius: 100vmax;
```

```
}  
  
.request-button a{  
text-decoration: none;  
  
}  
  
form{  
padding: 1em;  
font-size: 1.2rem;  
  
}  
  
.form-control {  
display: flex;  
justify-content: space-between;  
margin-bottom: 1.5em;  
  
}  
  
.form-control:last-child{  
margin-bottom: 0;  
  
}  
  
.form-control * {  
width: 100%;  
  
}  
  
.form-control button{  
width: auto;  
padding: .5em 2em;  
background-color: transparent;  
border: 1px solid #000;  
border-radius: 100vmax;  
  
}  
  
.gender-field {  
display: grid;  
grid-auto-flow: column;  
  
}
```

```
input{
outline: none;
}
input[type=submit]{
background-color: transparent;
border: none;
margin: 0;
padding: 0;
}
.request-container{
display: flex;
justify-content: center;
align-items: center;
gap: 2em;
position: absolute;
top: 1em;
right: 2em;
}
.request-container form{
margin: 0;
padding: 0;
}
</style>
</head>
<body class="w3-pale-yellow">
  <div class="request-container">
    <div class="request-button">
      <a href="#demo-modal">REQUEST</a>
    </div>
    <div class="request-button">
```

```
<form action="/logout" method="POST">
  <input type="submit" value="LOG OUT">
</form>
</div>
</div>
<div id="demo-modal" class="modal">
  <div class="modal__content">
    <h1>Request Form</h1>
    <form action="/req" method="POST">
      <div class="form-control">
        <label for="username">Username:</label>
        <input
          type="text"
          id="username"
          name="username"
          maxlength="30"
          placeholder="username"
          required
        />
      </div>
      <div class="form-control">
        <label for="email">Email:</label>
        <input
          type="email"
          id="email"
          name="email"
          placeholder="email"
          required
        />
      </div>
    </form>
  </div>
</div>
```

```
<div class="form-control">
  <label for="mobile">Mobile:</label>
  <input
    type="number"
    id="mobile"
    name="mobile"
    placeholder="mobile"
    required
  />
</div>

<div class="form-control">
  <label for="bloodgroup">Blood Group:</label>
  <select name="blood" id="bloodgroup">
    <option value="" selected disabled hidden>
      Choose your blood group
    </option>
    <option value="O+">O+</option>
    <option value="A+">A+</option>
    <option value="B+">B+</option>
    <option value="AB+">AB+</option>
    <option value="O-">O-</option>
    <option value="A-">A-</option>
    <option value="B-">B-</option>
    <option value="AB-">AB-</option>
  </select>
</div>

<div class="form-control">
  <button type="submit">Submit</button>
  <button type="reset">Reset</button>
</div>
```

```

    </form>

    <a href="#" class="modal__close">&times;</a>

</div>

</div>

<!-- Top container -->

<div class="w3-bar w3-top w3-black w3-large" style="z-index:4">

    <button class="w3-bar-item w3-button w3-hide-large w3-hover-none w3-hover-text-light-
grey" onclick="w3_open();"><i class="fa fa-bars"></i> Menu</button>

    <span class="w3-bar-item w3-right"></span>

</div>

<!-- Sidebar/menu -->

<nav class="w3-sidebar w3-collapse w3-amber w3-animate-left" style="z-index:3;width:300px;"
id="mySidebar">

    <br>

    <div class="w3-container w3-row">

        <div class="w3-col s8 w3-bar">

            <span>Welcome, <strong>{ {un} }</strong></span><br>

            <a href="#" class="w3-bar-item w3-button"><i class="fa fa-user"></i></a>

        </div>

    </div>

    <hr>

    <div class="w3-container">

        <h5>Dashboard</h5>

    </div>

    <div class="w3-bar-block">

        <a href="#" class="w3-bar-item w3-button w3-padding-16 w3-hide-large w3-dark-grey w3-
hover-black" onclick="w3_close()" title="close menu"><i class="fa fa-remove fa-fw"></i> Close
Menu</a>

        <a href="#" class="w3-bar-item w3-button w3-padding w3-blue"><i class="fa fa-users fa-
fw"></i> Overview</a>

        <a href="/index" class="w3-bar-item w3-button w3-padding"><i class="fa fa-home fa-
fw"></i> Home </a>

```


</div>

</nav>

<!-- Overlay effect when opening sidebar on small screens -->

<div class="w3-overlay w3-hide-large w3-animate-opacity" onclick="w3_close()" style="cursor:pointer" title="close side menu" id="myOverlay"></div>

<!-- !PAGE CONTENT! -->

<div class="w3-main" style="margin-left:300px;margin-top:43px;">

<!-- Header -->

<header class="w3-container" style="padding-top:22px">

<h5><i class="fa fa-dashboard"></i> My Dashboard</h5>

</header>

<div class="w3-row-padding w3-margin-bottom">

<div class="w3-quarter">

<div class="w3-container w3-amber w3-padding-16">

<div class="w3-left"><i class="fa fa-tint w3-xxlarge"></i></div>

<div class="w3-right">

<h3>{{dicrow}}</h3>

</div>

<div class="w3-clear"></div>

<h4>Plasma Availability</h4>

</div>

</div>

<div class="w3-quarter">

<div class="w3-container w3-orange w3-text-white w3-padding-16">

<div class="w3-left"><i class="fa fa-users w3-xxlarge"></i></div>

<div class="w3-right">

<h3>{{tot}}</h3>

</div>

<div class="w3-clear"></div>

<h4>Application Users</h4>

</div>

</div>

</div>

<div class="w3-panel">

<div class="w3-twothird">

<h5>Plasma </h5>

<table class="w3-table w3-striped w3-khaki">

<tr>

<td><i class="fa fa-tint"></i></td>

<td>A+</td>

<td><i>1</i></td>

</tr>

<tr>

<td><i class="fa fa-tint"></i></td>

<td>A-</td>

<td><i>0</i></td>

</tr>

<tr>

<td><i class="fa fa-tint"></i></td>

<td>B+</td>

<td><i>1</i></td>

</tr>

<tr>

<td><i class="fa fa-tint"></i></td>

<td>B-</td>

<td><i>0</i></td>

</tr>

<tr>

<td><i class="fa fa-tint"></i></td>

<td>AB+</td>

```

        <td><i>2</i></td>

    </tr>

    <tr>

        <td><span class="fa fa-tint"></span></td>

        <td><b>AB-</td>

        <td><i>1</i></td>

    </tr>

    <tr>

        <td><i class="fa fa-tint"></i></td>

        <td><b>O+</td>

        <td><i>1</i></td>

    </tr>

    <tr>

        <td><i class="fa fa-tint"></i></td>

        <td><b>O-</td>

        <td><i>0</i></td>

    </tr>

</table>

</div>

</div>

</div>

<hr>

<br>

<div class="w3-container w3-khaki w3-padding-16 w3-margin-top=100px"style="margin-
left:300px;">

    <div class="w3-row">

        <div class="w3-container w3-third">

            <h5 class="w3-bottombar w3-border-green">Demographic</h5>

            <p>Language</p>

            <p>Country</p>

```

```
<p>City</p>
</div>
<div class="w3-container w3-third">
  <h5 class="w3-bottombar w3-border-red">System</h5>
  <p>Browser</p>
  <p>OS</p>
  <p>More</p>
</div>
<div class="w3-container w3-third">
  <h5 class="w3-bottombar w3-border-orange">Target</h5>
  <p>Users</p>
  <p>Active</p>
  <p>Geo</p>
  <p>Interests</p>
</div>
</div>
</div>
<!-- Footer -->
<footer class="w3-container w3-padding-16 w3-pale-yellow">
  <h4>FOOTER</h4>
  <p>Powered by <a href="https://www.w3schools.com/w3css/default.asp"
target="_blank">w3.css</a></p>
</footer>
<!-- End page content -->
</div>
</body>
</html>
```

app.py:

```
from turtle import st

from flask import Flask, render_template, request, redirect, url_for, session, jsonify

from markupsafe import escape

import os

from dotenv import load_dotenv

from sendgrid import sendgrid

from sendgrid.helpers.mail import Mail, Email, To, Content

import ibm_db

conn = ibm_db.connect(

    "DATABASE=bludb;HOSTNAME=1bbf73c5-d84a-4bb0-85b9-
    ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=32286;SECURITY=SSL
    ;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=xnw03376;PWD=CAip5VvCHtcirIL",

    "",

    "",

)

app = Flask(__name__)

load_dotenv() # load keys from .env

sg = sendgrid.SendGridAPIClient(

    api_key=os.environ.get("GmWQl2hzTKeUsU776_Xkyw")

) # set SendGrid API Key

from_email = Email("babinmon2001@gmail.com")

@app.route("/")

def home():

    sql = "select * from register where age=21 "

    stmt = ibm_db.prepare(conn, sql)
```

```
ibm_db.execute(stmt)

dicrow = ibm_db.fetch_assoc(stmt)

print(dicrow)

return render_template("index.html")
```

```
@app.route("/index")
def index():

    return render_template("index.html")
```

```
@app.route("/logout", methods=["POST", "GET"])
def logout():

    if request.method == "POST":

        return render_template("logout.html")

    else:

        return render_template("dash.html")
```

```
@app.route("/home", methods=["POST", "GET"])
def homepage():

    if request.method == "POST":

        return render_template("index.html")

    else:

        return render_template("logout.html")
```

```
@app.route("/req", methods=["POST", "GET"])
def req():
```

```
if request.method == "POST":
```

```
    username = request.form["username"]
```

```
    email = request.form["email"]
```

```
    phone = request.form["mobile"]
```

```
    blood = request.form["blood"]
```

```
    insert_sql = "INSERT INTO request VALUES (?, ?, ?, ?)"
```

```
    prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
    ibm_db.bind_param(prep_stmt, 1, username)
```

```
    ibm_db.bind_param(prep_stmt, 2, email)
```

```
    ibm_db.bind_param(prep_stmt, 3, phone)
```

```
    ibm_db.bind_param(prep_stmt, 4, blood)
```

```
    ibm_db.execute(prep_stmt)
```

```
    return render_template("index.html", msg="saved successfully")
```

```
@app.route("/access", methods=["POST", "GET"])
```

```
def accesss():
```

```
    if request.method == "POST":
```

```
        username = request.form["username"]
```

```
        email = request.form["email"]
```

```
        phone = request.form["mobile"]
```

```
        address = request.form["address"]
```

```
        password = request.form["password"]
```

```
        insert_sql = "INSERT INTO access VALUES (?, ?, ?, ?, ?)"
```

```
prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
ibm_db.bind_param(prep_stmt, 1, username)
```

```
ibm_db.bind_param(prep_stmt, 5, email)
```

```
ibm_db.bind_param(prep_stmt, 3, phone)
```

```
ibm_db.bind_param(prep_stmt, 4, address)
```

```
ibm_db.bind_param(prep_stmt, 2, password)
```

```
ibm_db.execute(prep_stmt)
```

```
return render_template("index.html", msg="saved successfully")
```

```
@app.route("/reg", methods=["POST", "GET"])
```

```
def reg():
```

```
    if request.method == "POST":
```

```
        username = request.form["username"]
```

```
        password = request.form["password"]
```

```
        email = request.form["email"]
```

```
        blood = request.form["blood-group"]
```

```
        gender = request.form["gender"]
```

```
        age = request.form["age"]
```

```
        address = request.form["address"]
```

```
        phone = request.form["mobile"]
```

```
        insert_sql = "INSERT INTO register VALUES (?, ?, ?, ?, ?, ?, ?)"
```

```
        prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
        ibm_db.bind_param(prep_stmt, 1, username)
```

```
        ibm_db.bind_param(prep_stmt, 2, password)
```

```
        ibm_db.bind_param(prep_stmt, 3, email)
```

```
        ibm_db.bind_param(prep_stmt, 4, blood)
```

```
        ibm_db.bind_param(prep_stmt, 5, gender)
```

```
        ibm_db.bind_param(prep_stmt, 6, age)
```



```

ibm_db.bind_param(prepare_stmt, 7, address)
ibm_db.bind_param(prepare_stmt, 8, phone)
ibm_db.execute(prepare_stmt)

to_email = To(email) # set user as recipient for confirmation email
subject = "Welcome to GetPlasma"
content = Content(
    "text/html",
    "<p>Hello "
    + username
    + ',</p><p>Thank you for registering to the GetPlasma Application!</p><p>If this wasn\'t
you, then immediately report to our <a href="mailto:getplasma@project@gmail.com">admin</a> or
just reply to this email.</p>',
)

email = Mail(from_email, to_email, subject, content) # construct email format
email_json = email.get() # get JSON-ready representation of the mail object
return render_template("index.html", msg="saved successfully")

@app.route("/login", methods=["POST", "GET"])
def login():
    if request.method == "POST":
        username = request.form["username"]
        password = request.form["password"]
        sql = "select * from access where username=? and password=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        dic = ibm_db.fetch_assoc(stmt)
        print(dic)
        role = str()

```

```

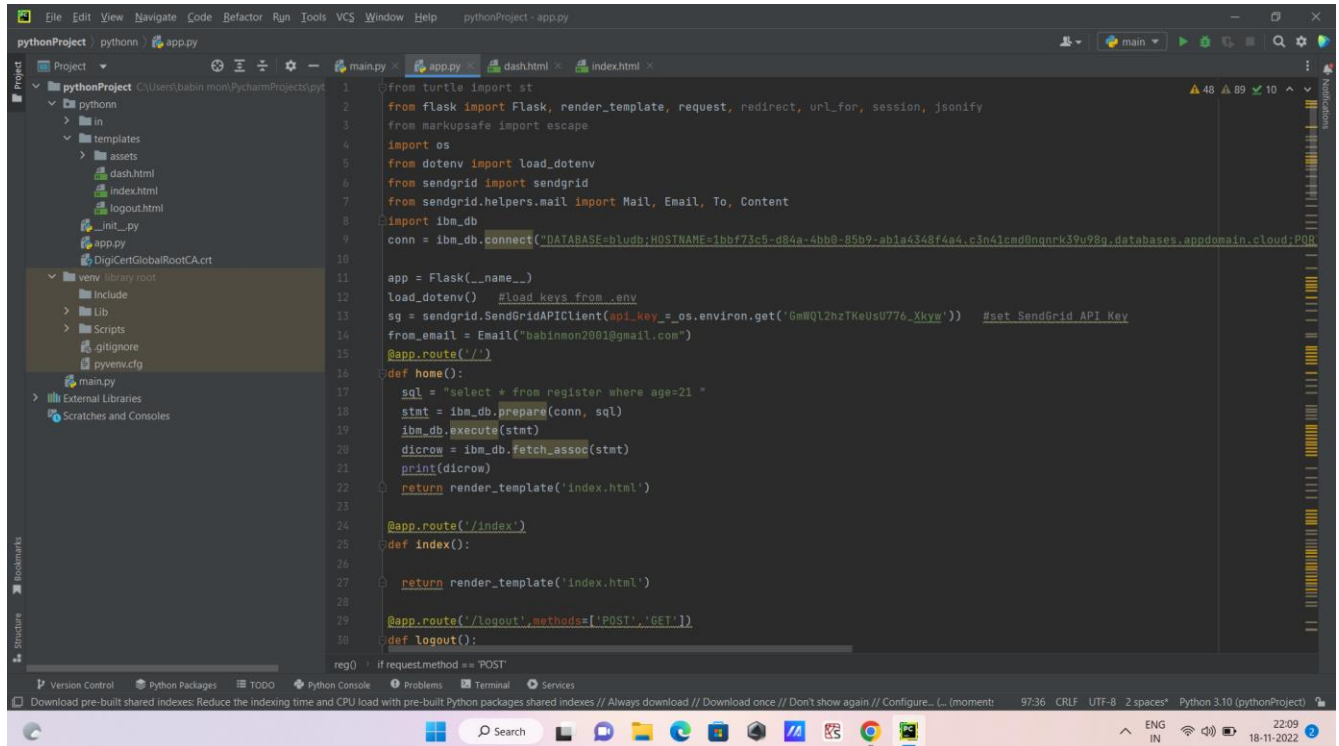
requests = []

if dic:
    un = dic["USERNAME"]
    print(un)
    sql = "select count(*) from register"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.execute(stmt)
    dicrow = ibm_db.fetch_assoc(stmt)
    sql1 = "select count(*) from request"
    stmt1 = ibm_db.prepare(conn, sql1)
    ibm_db.execute(stmt1)
    dicrow1 = ibm_db.fetch_assoc(stmt1)
    sql2 = "select count(*) from access"
    stmt2 = ibm_db.prepare(conn, sql2)
    ibm_db.execute(stmt2)
    dicrow2 = ibm_db.fetch_assoc(stmt2)
    tot = dicrow["1"] + dicrow1["1"] + dicrow2["1"]
    bloodA = ibm_db.fetch_assoc(stmt1)
    print(bloodA)
    return render_template("dash.html", un=un, dicrow=dicrow["1"], tot=tot)
else:
    return render_template("index.html")

return render_template("index.html")

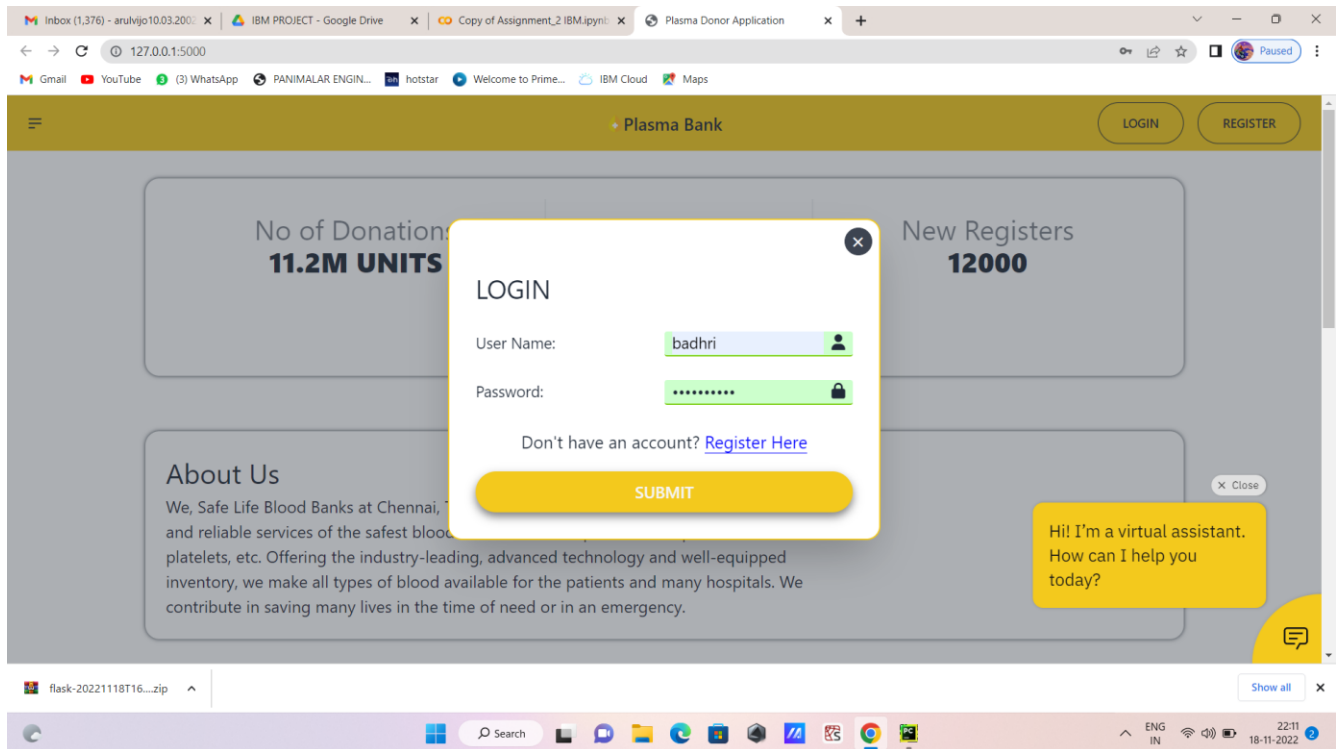
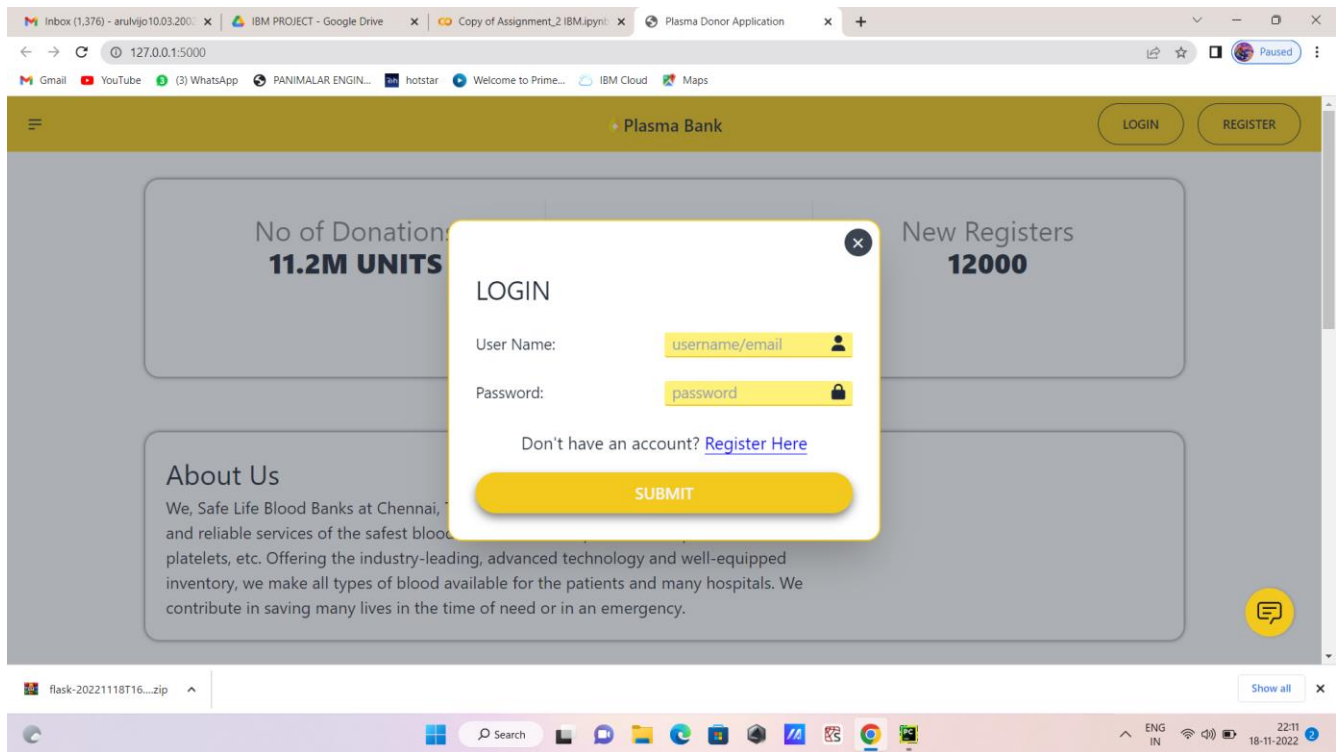
if __name__ == "__main__":
    app.run(debug=True)

```



SCREENSHOTS:

Login page:



Dashboard page

Inbox (1,376) - arulviyo10.03.200...

IBM PROJECT - Google Drive

Copy of Assignment_2 IBM.ipynb...

Plasma Donor Application

127.0.0.1:5000/login

GmailYouTube(3) WhatsAppPANIMALAR ENGIN...hotstarWelcome to Prime...IBM CloudMaps

Welcome, badhri

Dashboard

Overview

Home

My Dashboard

6

Plasma Availability

12

Application Users

Plasma

A+	1
A-	0
B+	1
B-	0
AB+	2
AB-	1
O+	1
O-	0

REQUEST

LOG OUT

flask-20221118T16...zip

Show all

Search

ENG IN

22:11 18-11-2022

Request Form

Inbox (1,376) - arulvijo10.03.200...

IBM PROJECT - Google Drive

Copy of Assignment_2 IBM.ipynb

Plasma Donor Application

127.0.0.1:5000/login#demo-modal

GmailYouTube(3) WhatsAppPANIMALAR ENGIN...hotstarWelcome to Prime...IBM CloudMaps

Welcome, badhri

Dashboard

Overview

Home

Plasma

Demographic

Language

Country

City

Browser

OS

More

Target

Users

Active

Geo

Interests

Request Form

Username:

sham

Email:

sham28@gmail.com

Mobile:

9654123875

Blood Group:

A+

Submit

Reset

flask-20221118T16...zip

Show all

Search

ENG IN

22:12

18-11-2022