

SPRINT DELIVERABLE - 4

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Project Name	Project – PLASMA DONOR APPLICATION
Date	24-11-2022

DELIVERABLE- DASHBOARD

App.py

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
from flask_mail import Mail, Message
import re
app = Flask(__name__)
mail = Mail(app) # instantiate the mail class

# configuration of mail
app.config['MAIL_SERVER']='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = 'sindhu1634@gmail.com'
app.config['MAIL_PASSWORD'] = 'urpndwlpfsfwzdkc'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
mail = Mail(app)
app.secret_key='a'
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURIT
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mpf67194;PWD=iCG3PvOYv
DiHMrq8",'','')
@app.route('/')
def index():
    return render_template('web.html')
@app.route('/login', methods=['GET', 'POST'])
def login():
    global userid
    msg = ''
    if request.method == 'POST' and 'email' in request.form and 'password1' in
request.form:
        email = request.form['email']
        password1 = request.form['password']
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        stmt = ibm_db.prepare(conn, 'SELECT * FROM donor WHERE email = ? AND
password1 = ?')
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,password1)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        if account:
            session['loggedin'] = True
            session['email'] = account['EMAIL']
            msg = 'Logged in successfully !'
            return render_template('web.html', msg = msg)
        else:
            msg = 'Incorrect username / password !'
            return render_template('login.html', msg = msg)
@app.route('/logout')
def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
    return redirect(url_for('login'))

@app.route('/send_email', methods = ['POST'])
def send():
    if 'blood' in request.form:
        type = request.form['blood']
        stmt = ibm_db.prepare(conn, 'SELECT email FROM donor WHERE blood = ?')
        ibm_db.bind_param(stmt,1,type)
        ibm_db.execute(stmt)
        tb = ibm_db.fetch_tuple(stmt)
        mails = []
        while tb != False:
            mails.append(tb[0])
            tb = ibm_db.fetch_tuple(stmt)

        msg = Message('Blood Request', sender='sindhu1634gmail',
recipients=mails)
        msg.body = "Here the " + request.form['blood'] + " Blood Group
Requested, if You are available to Donate Please reply back ! "
        mail.send(msg)
        return render_template('display.html', state="SENT")

    return 'Please Provide Blood in Form'
@app.route('/display', methods=['GET', 'POST'])
def display():
    if 'id' in session:
        if 'blood' in request.form:
            type = request.form['blood']

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        stmt = ibm_db.prepare(conn, 'SELECT name1 FROM donor WHERE blood =
?')

        ibm_db.bind_param(stmt,1,type)
        ibm_db.execute(stmt)
        tb = ibm_db.fetch_tuple(stmt)
        data = []
        while tb != False:
            data.append(tb[0])
            tb = ibm_db.fetch_tuple(stmt)

        return render_template('display.html', data=data,
blood=request.form['blood'], state="NOTSENT")
        return redirect('relogin')
    return 'Not Authed'

@app.route('/register', methods =['GET', 'POST'])

def register():
    msg = ''
    if request.method == 'POST':
        name1 = request.form['name1']
        blood = request.form['blood']
        email = request.form['email']
        phone = request.form['phone']
        password1 = request.form['password1']
        address1 = request.form['address1']
        gender = request.form['gender']
        age1 = request.form['age1']
        district = request.form['district']
        state1 = request.form['state1']
        illness = request.form['illness']
        sql= "SELECT * FROM donor WHERE name1 = ?"
        stmt = ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,name1)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        msgg = Message(
            'Hello',
            sender ='sindhu1634gmail.com',
            recipients = [email]
        )
        msgg.body = 'Thankyou for Registering as Donor...! When the plasma
needed we connect with you via email Request'
        mail.send(msgg)

        if account:
            msg = 'Account already exists !'
        elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):

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        msg = 'Invalid email address !'
    elif not re.match(r'[A-Za-z0-9]+', name1):
        msg = 'name must contain only characters and numbers !'
    elif not name1 or not password1 or not email:
        msg = 'Please fill out the form !'
    else:
        insert_sql = "INSERT INTO
donor(name1,blood,email,phone,password1,address1,gender,age1,district,state1,i
llness) VALUES(?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)"
        stmt = ibm_db.prepare(conn,insert_sql)
        ibm_db.bind_param(stmt, 1, name1)
        ibm_db.bind_param(stmt, 2, blood)
        ibm_db.bind_param(stmt, 3, email)
        ibm_db.bind_param(stmt, 4, phone)
        ibm_db.bind_param(stmt, 5, password1)
        ibm_db.bind_param(stmt, 6, address1)
        ibm_db.bind_param(stmt, 7, gender)
        ibm_db.bind_param(stmt, 8, age1)
        ibm_db.bind_param(stmt, 9, district)
        ibm_db.bind_param(stmt, 10, state1)
        ibm_db.bind_param(stmt, 11, illness)
        ibm_db.execute(stmt)
        msg = 'You have successfully registered !'
    return render_template('register.html', msg = msg)

@app.route('/reclogin', methods=['GET', 'POST'])
def reclogin():
    global userid
    msg = ''
    if request.method == 'POST' and 'pphone' in request.form :
        pphone = request.form['pphone']
        stmt = ibm_db.prepare(conn,'SELECT * FROM recipient WHERE pphone = ?')
        ibm_db.bind_param(stmt,1, pphone)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        if account:
            session['id'] = True
            session['id'] = account['ID']
            msg = 'Logged in successfully !'
            return render_template('list.html', msg = msg)
        else:
            msg = 'Incorrect username!'
    return render_template('reclogin.html', msg = msg)

#recipient registration

@app.route('/recipient', methods=['GET', 'POST'])
def recipient():

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msg = ''
if request.method == 'POST':
    adname = request.form['adname']
    ademail = request.form['ademail']
    pname = request.form['pname']
    pblood = request.form['pblood']
    page1 = request.form['page1']
    trequest = request.form['trequest']
    pphone = request.form['pphone']
    paddress = request.form['paddress']
    sql= "SELECT * FROM recipients WHERE pname = ?"
    stmt = ibm_db.prepare(conn,sql)
    ibm_db.bind_param(stmt,1,ademail)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    # msgg = Message('Hello',sender ='sindhu1634gmail.com',recipients =
[ademail])
    # msgg.body = 'Thankyou for Registering as Donor...! When the plasma
needed we connect with you via email Request'
    # mail.send(msgg)

    if account:
        msg = 'Account already exists !'
    elif not re.match(r'^@+@[^@]+\.[^@]+', ademail):
        msg = 'Invalid email address !'
    elif not re.match(r'[A-Za-z0-9]+', pname):
        msg = 'name must contain only characters and numbers !'
    elif not adname or not ademail:
        msg = 'Please fill out the form !'
    else:
        insert_sql = "INSERT INTO
recipient(adname,ademail,pname,pblood,page1,trequest,pphone,paddress)
VALUES(?, ?, ?, ?, ?, ?, ?, ?)"
        stmt = ibm_db.prepare(conn,insert_sql)
        ibm_db.bind_param(stmt, 1, adname)
        ibm_db.bind_param(stmt, 2, ademail)
        ibm_db.bind_param(stmt, 3, pname)
        ibm_db.bind_param(stmt, 4, pblood)
        ibm_db.bind_param(stmt, 5, page1)
        ibm_db.bind_param(stmt, 6, trequest)
        ibm_db.bind_param(stmt, 7, pphone)
        ibm_db.bind_param(stmt, 8, paddress)
        ibm_db.execute(stmt)
        msg = 'You have successfully registered !'
        return render_template('list.html')
    return render_template('recregister.html', msg = msg)
if __name__ == '__main__':
    app.run(debug= True)

```

web.html :

```
<!DOCTYPE html>
<html lang="en">

<head>
  <title>Webpage Design</title>
  <link rel="stylesheet" href="{{ url_for('static', filename='res.css') }}">
</head>

<body>

  <div class="main">
    <div class="navbar">
      <CENTER>
        <div class="icon">
          <h2 class="logo">PLASMA WORLD!</h2>

        </div>
      </CENTER>

      <!-- <div class="menu">
        <ul>
          <li><a href="#">HOME</a></li>
          <li><a href="#">ABOUT</a></li>
          <li><a href="#donor">DONOR</a></li>
          <li><a href="#">RECIPIENT</a></li>
          <li><a href="#">CONTACT</a></li>
        </ul>
      </div>

      <div class="search">
        <input class="srch" type="search" name="" placeholder="Type To
text">

        <a href="#"> <button class="btn">Search</button></a>

      </div>-->

    </div>
    <div class="content">
      <h1>PLASMA DONOR <br><span>Application</span> <br></h1>
      <p class="par"> “Bring a life back to power
        <br>Make blood donation your responsibility”
        <div class="you"><br><b> You are a:</b></div>

      </p>
      <div>
        <button class="cn"><a href="/login">DONOR</a></button>
```

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        <button class="cn1"><a href="/reclogin">RECIPIENT</a></button>
    </div>

</div>
</div>
</div>
<script src="https://unpkg.com/ionicons@5.4.0/dist/ionicons.js"></script>
</body>

</html>

```

SCREENSHOTS:

