

PROJECT DEVELOPMENT PHASE

SPRINT-2

Date	9 November 2022
Team ID	PNT2022TMID51943
Project Name	Plasma Donor Application

INTEGRATING CHATBOT:

The screenshot displays a web browser window with the URL `127.0.0.1:5000/addonor`. The page title is "Plasma Donor Application" and it includes navigation links for "Home", "Register", and "Login". The main content area shows a "Registered successfully.." message above a graphic of a blood drop divided into three colored sections: blue (top), orange (middle), and red (bottom). Each section is associated with a percentage and a label: 55% Plasma, 4% Platelets and white blood cells, and 41% Red blood cells. Below the graphic, it says "Thank you for donating plasma." On the right side, a Watson Assistant chatbot interface is visible, showing a conversation with the bot. The chatbot has greeted the user with "Hello" and "Hi, How can I help you?". It offers buttons for "Learn about donations", "Register as a donor", and "Request for plasma". The bot also provides a message: "I would love to help you understand more about donations! Please select one of the following options" with buttons for "Blood types" and "Plasma Donation process". The chatbot is built with IBM Watson.

Component	Value/Label
Plasma	55%
Platelets and white blood cells	4%
Red blood cells	41%

LOGIN :

Plasma Donor Application

Home Register Login

Login using UserName and Password

You have successfully registered !

User Name

Hari Prasath

Password

.....

Login

Don't have an account [Register here](#)

22°C Haze

Search

ENG IN

21:56 18-11-2022

USER PAGE :

Plasma Donor Application

Home Register Login

Welcome : Hari Prasath!!

Logged in successfully !

Donate Plasma

Request Plasma

Log Out

22°C Haze

Search

ENG IN

22:03 18-11-2022

REGISTER AS DONOR :

Plasma-Register

IBM Db2 | IBM

IBM Cloud

New tab

127.0.0.1:5000/register

Plasma Donor Application

Home Register Login

Donating Plasma

Full Name

HARI PRASATH

Mobile Number

6380475221

Email

jayahariprasath2001@gmail.com

Age

20

Gender

Male

Blood Group

AB+

Area

abc colony

City

Madurai

District

Madurai

Reset

Submit

22°C Haze

Search

ENG IN

22:05 18-11-2022

REQEST FOR PLASMA:

Plasma-Request

Inbox (210) - pranav1706@gmail

Hurray! Your Team Has Successf

WhatsApp

127.0.0.1:5000/request_page

Plasma Donor Application

Home Register Login

Your request has been submitted!

Request for Plasma

Enter Donor Mail

j

Hospital Name

Enter Hospital Nmae

FullName

Enter your FullName

Mobile Number

Enter your Mobile Number

Your Mail

Enter your Email

Age

Enter your Age

Gender

Select your Gender

Blood Group

Select your blood group

Area

Enter your Area Name

City

Enter your City Name

District

Enter your District Name

Reset

Request

23°C Clear

Search

ENG IN

02:02 19-11-2022

CONNECTION WITH IBM DATABASE:

Plasma-LoginxIBM Db2 on CloudxNew tabx+

<https://bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/cn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3AAw%2F31a37b13ec5a4c549cea0f0656471383...>

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

ZNJ04989.LOGINBack

Export to CSV

USERNAME	EMAIL	CONTACT	PASSWORD
Hari Prasath	jhpmdurai2001@gmail.com	6380475221	123456
Hari Prasath	jhpmdurai2001@gmail.com	6380475221	123456
JeyaHari	962319104047@students.amrita.edu.in	6380475221	123456789
ajin	bala.abinesh.surya@gmail.com	7598369569	123456789
ashwini	ashwini2001@gmail.com	9488519706	13245652
ashwini	ashwini2001@gmail.com	9488519706	13245652
suryathaya	suryathaya10@gmail.com	7598369569	123456789

CODING AND TESTING:

[illegible]


```
1 @media only screen and (max-width: 500px) {
2   /* for mobile phones: */
3   .landing, .landing-text h1, .landing-text h3, .landing-text .btn, img, .landing-text .btn a {
4     width: 100%;
5     height: auto;
6   }
7 }
8
9 .landing {
10  margin-top: 100px;
11  margin-left: 50px;
12  margin-right: 50px;
13 }
14
15 .landing-text h1 {
16  font-size: 65px;
17 }
18
19 .landing-text h3 {
20  margin: 6px;
21  font-size: 15px;
22  line-height: 1.9;
23  color: #477777;
24  margin-right: 20px;
25 }
26
27 .landing-text .btn {
28  width: 200px;
29  margin-top: 30px;
30  padding: 14px 20px 12px 20px;
31  background-color: #907bff;
32  border-radius: 45px;
33  text-align: center;
34 }
35
36 .landing-text .btn a {
37  font-size: 18px;
38  color: #ffff;
39 }
40
41 img {
42  float: right;
43 }
44
```

```
1 *{
2   font-family: 'Montserrat', sans-serif;
3 }
4
5 #icon{
6   color: white;
7   padding-right: 2px;
8 }
9
```

```

1 from flask import Flask, render_template
2 import ibm_db
3 import sendgrid
4 import os
5 import re
6 from sendgrid.helpers.mail import Mail
7
8 app = Flask(__name__)
9 app.secret_key = "1"
10
11 conn = ibm_db.connect("DATA")
12
13 @app.route("/")
14 def index():
15     return render_template("index.html")
16
17 @app.route("/home")
18 def home_page():
19     return render_template("home.html")
20
21
22 @app.route("/login", methods=['POST'])
23 def login():
24     global userid
25     msg = ''
26     if request.method == 'POST':
27         username = request.form['username']
28         password = request.form['password']
29         sql = "SELECT * FROM user WHERE username = ? AND password = ?"
30         stmt = ibm_db.prepare(conn, sql)
31         ibm_db.bind_param(stmt, 1, username)
32         ibm_db.bind_param(stmt, 2, password)
33         ibm_db.execute(stmt)
34         account = ibm_db.fetch_row()
35         print(account)
36         if account:
37             session['logged_in'] = True
38             session['id'] = account[0]
39             user_id = account[0]
40             session['username'] = account[1]
41             msg = 'Logged in successfully'
42         else:
43             msg = 'Incorrect username or password'
44         return render_template("login.html", msg=msg)
45
46
47
48 # After login
49 @app.route('/afterlogin')
50 def afterlogin():
51     return render_template("afterlogin.html")
52
53
54
55
56 @app.route("/signin", methods=['POST'])
57 def signin():
58     msg = ''
59     if request.method == 'POST':
60         username = request.form['username']
61         usermail = request.form['email']
62         password = request.form['password']
63         sql = "SELECT * FROM user WHERE username = ? AND email = ?"
64         stmt = ibm_db.prepare(conn, sql)
65         ibm_db.bind_param(stmt, 1, username)
66         ibm_db.bind_param(stmt, 2, usermail)
67         ibm_db.execute(stmt)
68         account = ibm_db.fetch_row()
69         print(account)
70         if account:
71             msg = 'Account already exists'
72         elif not re.match(r'[a-zA-Z0-9_]*', username):
73             msg = 'Invalid username'
74         elif not re.match(r'[a-zA-Z0-9_]*', usermail):
75             msg = 'Invalid email'
76         else:
77             insert_sql = "INSERT INTO user (username, email, password) VALUES (?, ?, ?)"
78             prep_stmt = ibm_db.prepare(conn, insert_sql)
79             ibm_db.bind_param(prepare_stmt, 1, username)
80             ibm_db.bind_param(prepare_stmt, 2, usermail)
81             ibm_db.bind_param(prepare_stmt, 3, password)
82             ibm_db.execute(prepare_stmt)
83             msg = 'You have successfully registered'
84             return render_template("signin.html", msg=msg)
85         elif request.method == 'POST':
86             msg = 'Please fill the form'
87         return render_template("signin.html", msg=msg)
88
89
90
91
92 @app.route("/register")
93 def register():
94     return render_template("register.html")
95
96
97
98
99 @app.route("/addonor", methods=['POST'])
100 def addonor():
101     if request.method == 'POST':
102         name = request.form['name']
103         mobile = request.form['mobile']
104         email = request.form['email']
105         age = request.form['age']
106         gender = request.form['gender']
107         blood = request.form['blood']
108         area = request.form['area']
109         city = request.form['city']
110         district = request.form['district']
111         sql = "SELECT * FROM donor WHERE name = ? AND mobile = ? AND email = ?"
112         stmt = ibm_db.prepare(conn, sql)
113         ibm_db.bind_param(stmt, 1, name)
114         ibm_db.bind_param(stmt, 2, mobile)
115         ibm_db.bind_param(stmt, 3, email)
116         ibm_db.execute(stmt)
117         account = ibm_db.fetch_row()
118         if account:
119             msg = 'Donor already exists'
120             return render_template("addonor.html", msg=msg)
121         else:
122             insert_sql = "INSERT INTO donor (name, mobile, email, age, gender, blood, area, city, district) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)"
123             prep_stmt = ibm_db.prepare(conn, insert_sql)
124             ibm_db.bind_param(prepare_stmt, 1, name)
125             ibm_db.bind_param(prepare_stmt, 2, mobile)
126             ibm_db.bind_param(prepare_stmt, 3, email)
127             ibm_db.bind_param(prepare_stmt, 4, age)
128             ibm_db.bind_param(prepare_stmt, 5, gender)
129             ibm_db.bind_param(prepare_stmt, 6, blood)
130             ibm_db.bind_param(prepare_stmt, 7, area)
131             ibm_db.bind_param(prepare_stmt, 8, city)
132             ibm_db.bind_param(prepare_stmt, 9, district)
133             ibm_db.execute(prepare_stmt)
134             msg = 'Donor added successfully'
135             return render_template("addonor.html", msg=msg)
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