Plasma Donor App

- **Introduction:**

   In this project we will be building a Plasma Donor App with AWS services like lambda functions,API Gateway,DynamoDB. Also python's framework Flask are used.

- **Overview:**

   Serverless computing is the current trend in software application development. Microservices are a popular new approach for building maintainable, scalable, cloud-based applications. AWS is the perfect platform for hosting micro-services. The work of this app is to saving the donor information and helping the need by notifying the current donors.
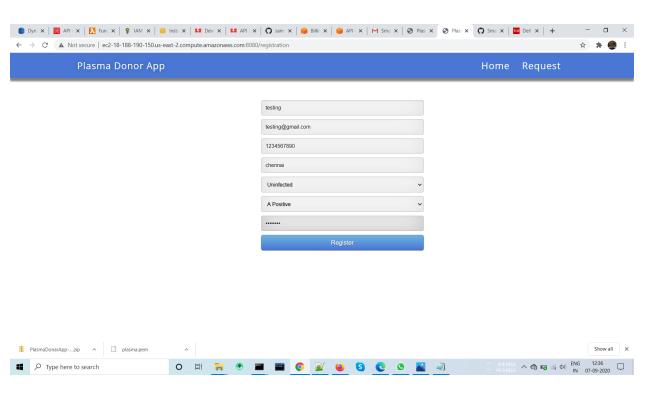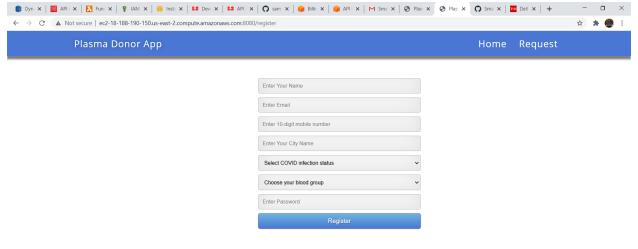
- **Purpose:**

   During the COVID 19 crisis, the requirement of plasma became high and the donor count being low. The main purpose of this app is to be a helping hand for the people who are in need of blood.

- **Result:**

   This app will act as bridge between patients seeking plasma therapy and donors who have recovered and have completed 28 days post recovery. The app will also automatically track donors who will be eligible to donate plasma after a cycle of 14 days.

- **Screenshots of output:**

Enter Your Name

Enter Email

Enter 10-digit mobile number

Enter Your City Name

Select COVID infection status

Choose your blood group

Enter Password

Register

Registration Successful, please login
using your details

Plasma Donor App

Home   Register   Request

testing@gmail.com

••••••••

Login

Plasma Donar App

Home   Request

3
Donors

1	2	0	0
O Positive	A Positive	B Positive	AB Positive

0	0	0	0
O Negative	A Negative	B Negative	AB Negative

Now

8220863908:Need plasma of

● **Appliction:**

Link : http://ec2-18-188-190-150.us-east-2.compute.amazonaws.com:8080/

● **Conclusions:**

Plasma Donor application provides a reliable platform to connect local blood donors with patients. It creates a communication channel through authenticated clinics whenever a patient needs blood donation. It is a useful tool to find compatible blood donors who can receive blood request posts in their local area. Clinics can use this web application to maintain the blood donation activitiy.

● **Future Scope:**

This app reduces the time lag between the searching and contacting for blood donors to a few seconds which can be of utter use to the people of this country in saving more and more lives. since almost everyone carries a mobile phone with them, it ensures that it has a great scope in future.