BUILD A PLASMA DONOR APPLICATION USING AWS SERVERLESS COMPUTING

2. INTRODUCTION:

During the COVID 19 crisis, the requirement of plasma became high and the donor count being low. Saving the donor information and helping the need by notifying the current donors would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details store it and inform them upon a request.

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. In this project, we will be building a plasma donor app with AWS services like lambda functions, API gateway, and DynamoDB.

2.1 OVERVIEW:

Project Work Flow:

- The user interacts with the application.
- Register by giving the details as a donor.
- The database will have all the details and if a user posts a request then the concerned blood group donors will get notified about it.

2.2 PURPOSE:

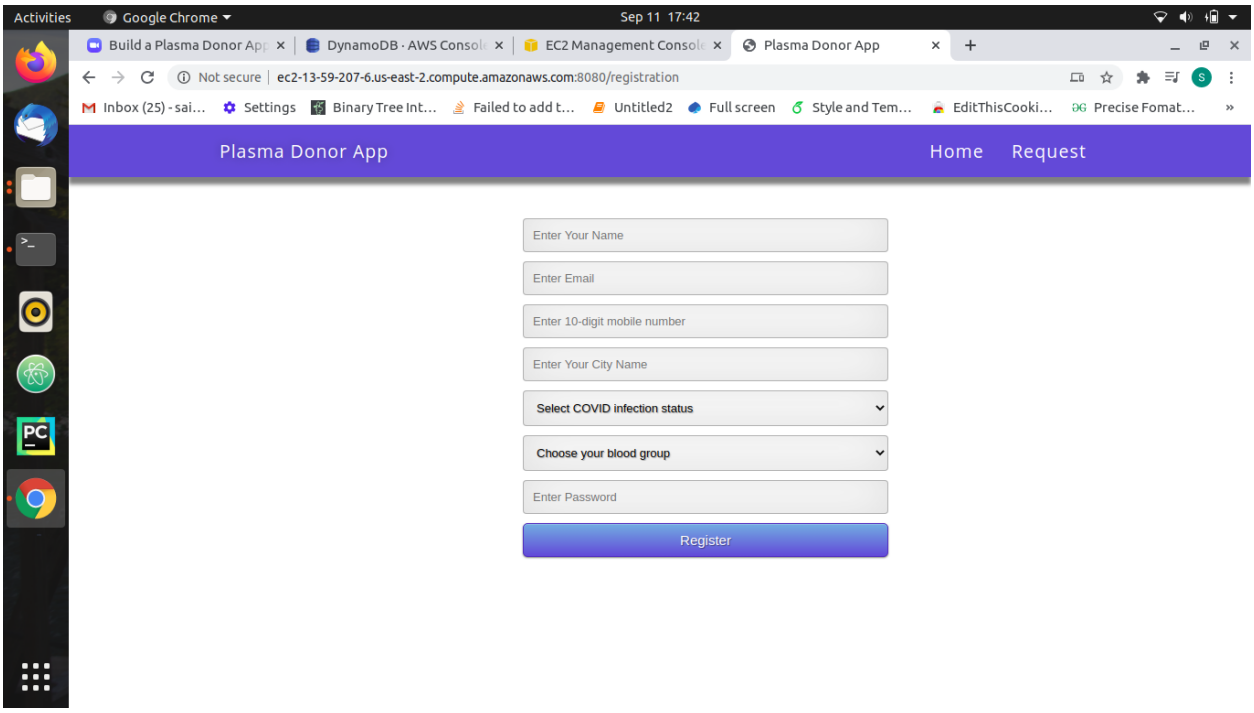
The main objective of this application is to help people who require plasma when they are effected with the virus. This application helps in requesting for plasma using our application the user can view the number of donor registered for donating plasma and hence request for plasma using the application from request form.

3.RESULT:

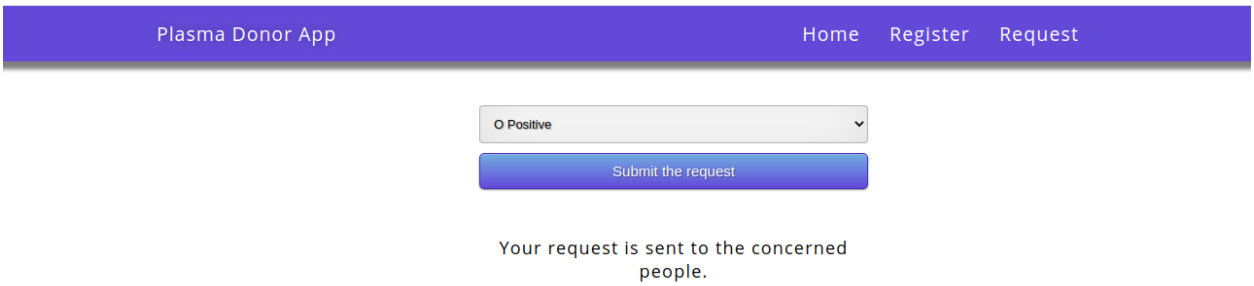
The result includes all the actions performed while building the application here are the screenshots of this application

3.1 SCREENSHOTS:

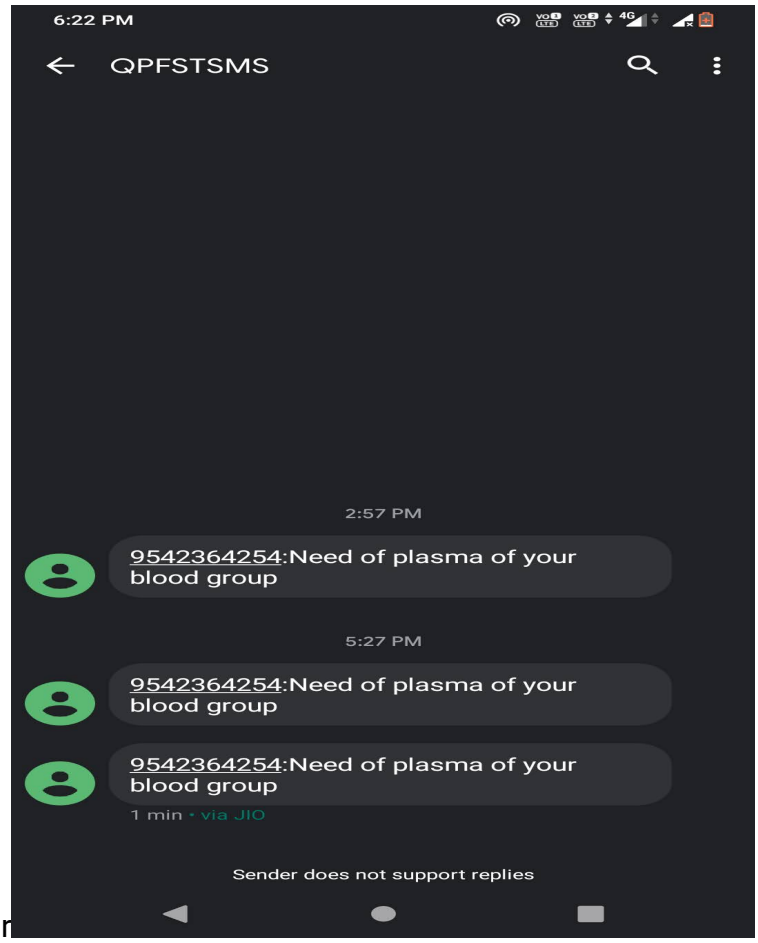
registration page : where the user registers to the application by giving his details



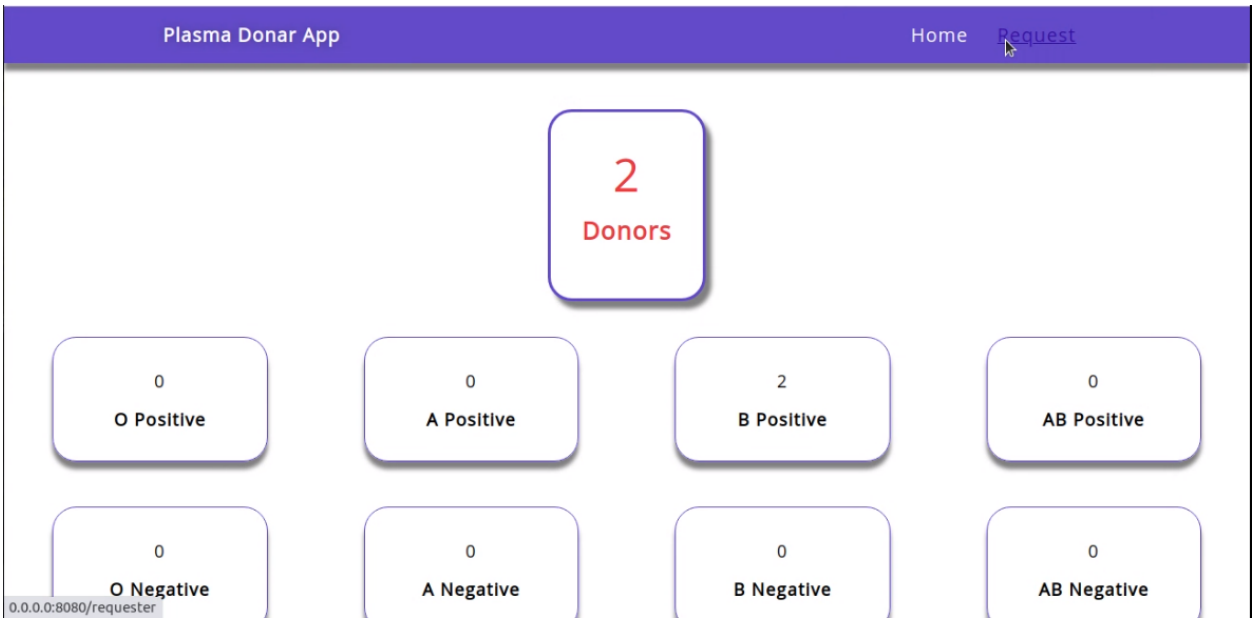
Screenshot : Request for plasma by the user .



screen shot: output responce for the application request sent to concerned donor



Screenshots: Sign page for number of donors present



4. CONCLUSION :

This is a complete set up of a web app for people who require plasma

5. FUTURE SCOPE:

This application can futher be improved by deploying the application on aws server and making it an android app for future use.