

SOLUTION ARCHITECTURE : PLASMA DONOR

A user will register by providing all his details such as user name, email id, phone number, location, password, infected status, and blood group. once the user has successfully registered to the web application they can view the availability of blood group and the count. once a user register to the web application an API request will be called which invokes one of the functions with which the user's details can be stored in dynamoDB. When API invokes the lambda function where the program will be written to store the details of the lambda to store the details of the registered users in dynamoDB.

When a user request for a particular blood group an API will invoke the lambda function and the lambda function will trigger operation and fetches the information of a particular blood group donor from the dynamodb and it will then fetch it back to the API and this API will display the information in the user interface. when a user requests for a particular blood group a request sms will be sent to the particular blood group donor.

FIG:

