LITERATURE SURVEY

Date	15 October 2022
Team Id	PNT2022TMID50023
Project Name	Plasma Donor Application
Maximum Marks	2 marks

Introduction:

A plasma is a liquid portion of the blood, over 55% of human blood is plasma. Plasma is used to treat various infectious diseases and it is one of the oldest methods known as plasma therapy. Plasma therapy is a process where blood is donated by recovered patients in order to establish antibodies that fights the infection.For instance, during COVID 19 crisis the requirement for plasma increased drastically as there were no vaccination found in order to treat the infected patients, with plasma therapy the recovery rates where high but the donor count was very low and in such situations it was very important to get the information about the plasma donors. Saving the donor information and notifying about the current donors would be a helping hand as it can save time and help the users to track down the necessary information about the donors.

Literature Review:

[1].In this paper, the author has carried out analysis based on the opportunities presented by serverless computing. They emphasise that serverless services are more affordable approach for many network services and it is more user friendly as serverless approach will relieve the customers from the intricacies of deployment. These services will help to improve the new business opportunities. [2].Author conducted a survey of existing serverless platform in this paper from source projects, industry, academia, use cases, and key characteristics and has described the challenges and the open problems associated with it. Authors work presented a handson experience of serverless technologies using different services from different cloud provides such as Amazon, Google, IBM, Microsoft Azure. [3].In this paper three demonstrators for IBM Bluemix OpenWhisk was presented. They exhibit even-based programming triggered by weather forecast data, speech utterances and Apple WatchOS2 application data. And also demonstrated a chatbot using IBM

Bluemix OpenWhisk that calls on the IBM Watson services which include dates, weather, alarm services, news and music tutor. [4].In this paper serverlessOS was designed. It comprises of components such as 1. desegregation model that leverages desegregation for abstraction but it will enable resources to move fluidly between servers for the performance.

Existing System:

In existing system,not all users can get access to the information because of the low working of the application or is not able to access any site.sometimes the information is not updated or available for a particular place.In existing system the security is less and latest updates and uploads or not so frequent.

Proposed System:

The proposed method helps the users to check the availability of donors. A donor has to register to the website providing their details. The registered users can get the information about the donor count of each blood group. The database will have all the details such as name, email, phone number, infected status. Whenever a user requests for a particular blood group then the concerned blood group donors will receive the notification regarding the requirement. A Json code is written to store the information, to fetch the requested information in lambda.

Conclusion:

The efficient way of finding plasma donor for the infected people is implemented using the plasma donor application. To ensure the smooth functioning of the application operations.

Refrence:

1. **Title:** Serverless computing: Economic and architectural impact

   Source: ESEC/FSE

   Author: R. C. Gojko Adzic

   Date: 2017

2. **Title:** Building a chatbot with serverless computing

   Source: IBM watson research center

   Author: P. C. P. C. a. V. I. M. Yan

   Date: 2016

3. **Title:** Cloud Event Programming Paradigms: Applications and Analysis

   Source: 9th IEEE International Conference on Cloud Computing (CLOUD), pp. pp. 400-406

   Author: S. E. a. B. J. J. Short

   Date:2017

4. **Title:** Making Serverless Computing More Serverless

   Source: IEEE 11th International Conference on Cloud Computing (CLOUD), pp. pp. 456-459.

   Author: Z. Al-Ali

   Date: 2018

5. **Title:** EMARS: Efficient Management and Allocation of Resources in Serverless

   Source: IEEE 11th International Conference on Cloud Computing (CLOUD), pp. pp. 827-830

   Author: A. S. a. S. Jindal

   Date: 2018