Project Design Phase-I
Solution Architecture

Date	18 October 2022
Team ID	PNT2022TMID47261
Project Name	Project – Plasma Donor Application Using Cloud Computing
Maximum Marks	4 Marks

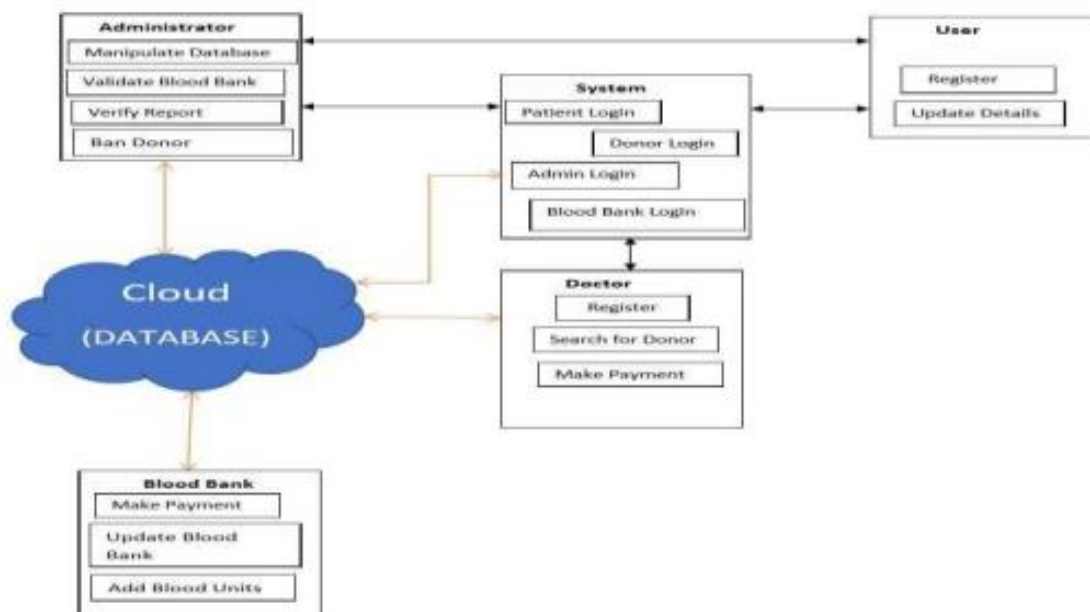## Solution Architecture:

Algorithm Plasma bank

Problem Description: This Algorithm computes plasma bank application.

Input: I, P are the of character type.

Output: Outcome is Notification and Response from plasma bank for plasma.

Step 1: If User is registered then provide User Id (I) and password (P) else Create new account;
Step 2: While plasma stock gets low Send notification to donors for plasma donation camp;
Step 3: If there is request from user for plasma, track location of user with GPS;
Step 4: Check for plasma availability at plasma bank;
Step 5: If plasma is not available send notification from plasma bank to nearby registered Donors;
Step 6: Check conditions for plasma donation like HB, Weight, other factors and previous history;
Step 7: If conditions are satisfied accept it;
Step 8: If Conditions are not satisfied then send notification to other donors who are eligible;

Solution Architecture Diagram:

Reference

Lifesaver E-PlasmaDonation App Using Cloud Rishab Chakrabarti1, Asha Darade2, Neha Jadhav3, Prof. S. M. Chitalkar4

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