**Project Overview:**

In our Plasma management system, a citizen can request or donate plasma. First the citizen must register into the system. Then he can log in to the system anytime with the password. To donate plasma a citizen must make a consultation with a doctor first. To take consultation, a citizen first has to get serial to book an appointment. A receptionist handles the appointments. If the receptionist provides him/her serial number only then he/she can consult with a doctor. The doctor runs checkup on the citizen who wants to donate plasma. The doctor gives the citizen clearance to donate plasma if the donor is healthy. A lab assistant takes plasma from the citizen. He also analyses the plasma and makes a report on it. Then he stores the plasma. A citizen can request for donation. They can ask for blood or plasma donation. Their request for blood is forwarded to a blood bank and request for plasma is forwarded to the system. The system checks for plasma availability and provides them plasma if available. The system also stores report, manages donor and also manages other applications. The receptionist provides the report to the citizen.

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| Actors | Citizen, System, Lab Assistant, Blood bank, Receptionist, Doctor |
| Use Cases | Provide plasma, registration, request donation , make donation, give clearance, report, take plasma, store plasma , check availability, manage donor, manage application, analyze plasma etc |