# PROBLEM STATEMENT

**DOMAIN:** Cloud Application Development

**PROJECT:** Plasma Donor Application

## Whom does the problem affect?

Patients who are affected by COVID and clotting deficiencies need a Plasma Donor.

## What is the issue?

When a patient needs plasma, contacting a compatible donor in their family and friends will be difficult. It is difficult to find a suitable donor within a limited groupof people in a given time. It can also be challenging to find authorized donor centres.

## What is the impact of the issue?

During the COVID-19 crisis, the requirement for plasma became high and the donor rate decreased to provide an immunity boost for COVID-19-affected patients. It is very difficult to find the respective blood group donors when someone is in need.

## What would happen if we didn't solve the problem?

The gap between the Donor and Recipient would widen. At the same time, it takes a long time for a patient to discover the donor. People who are eager to donate plasma cannot find the right recipient. Currently, people in need of Plasma postPleas on social media to attract potential donors. But Plea's on social media take longer to reach a wider audience. As a result, recipients are unable to find donors within the required time.

## What would happen when it is fixed?

The application makes it feasible for COVID-19 patients to get a plasma donor easily and makes it possible to find a plasma donor without much difficulty.

## Why is it important that we fix the problem?

In severe cases, if the recipient cannot find a donor, then his/her condition could worsen and potentially result in death.