

Project Design Phase-I

Solution Architecture

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Project Name	Plasma Donation Application
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Solution Architecture (Minimum Viable Architecture):

What we should do: Propose a minimum viable architecture that is flexible and fulfills the minimum necessary requirements.

MVP Idea: Web application that registers users as donors or patients and stores their data and history.

Product Requirements:

1. Initialize as donor or patient on signing up.
2. Update and store their data and history.
3. As a donor, notify when a patient in need nearby pops up.
4. As a patient, show the available donors and notify when a matching donor pops up.
5. Set up an appointment for the donation procedure in a nearby donation center.
6. Update the donor and patient history.
7. Run targeted ads by the Govt Agencies and related units.
8. Give incentives to regular donors..
9. Add specialized support for different types of users such as students, family, etc.

Solution Architecture Diagram

