Project Design Phase-II
Data Flow Diagram & User Stories
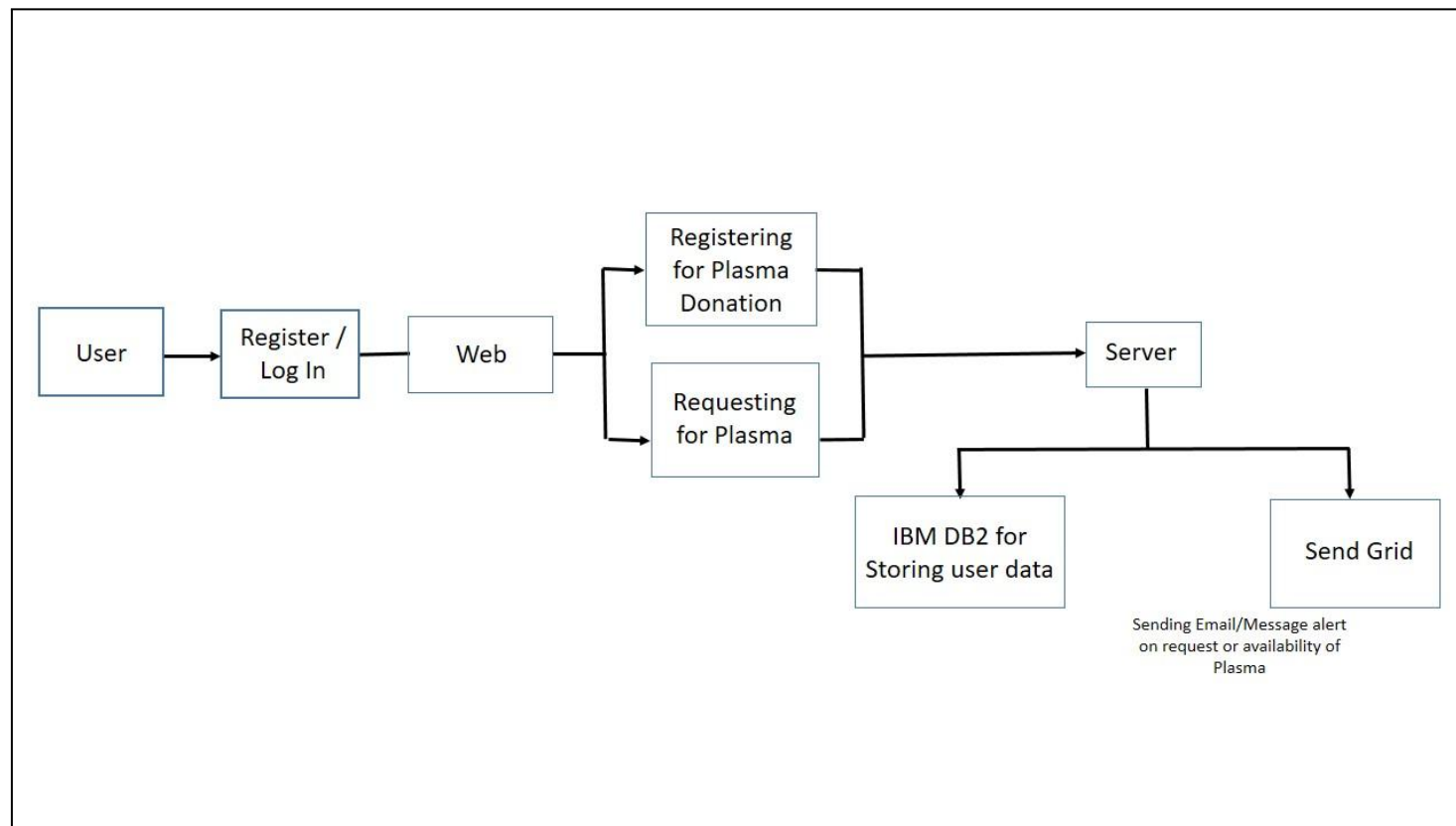
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
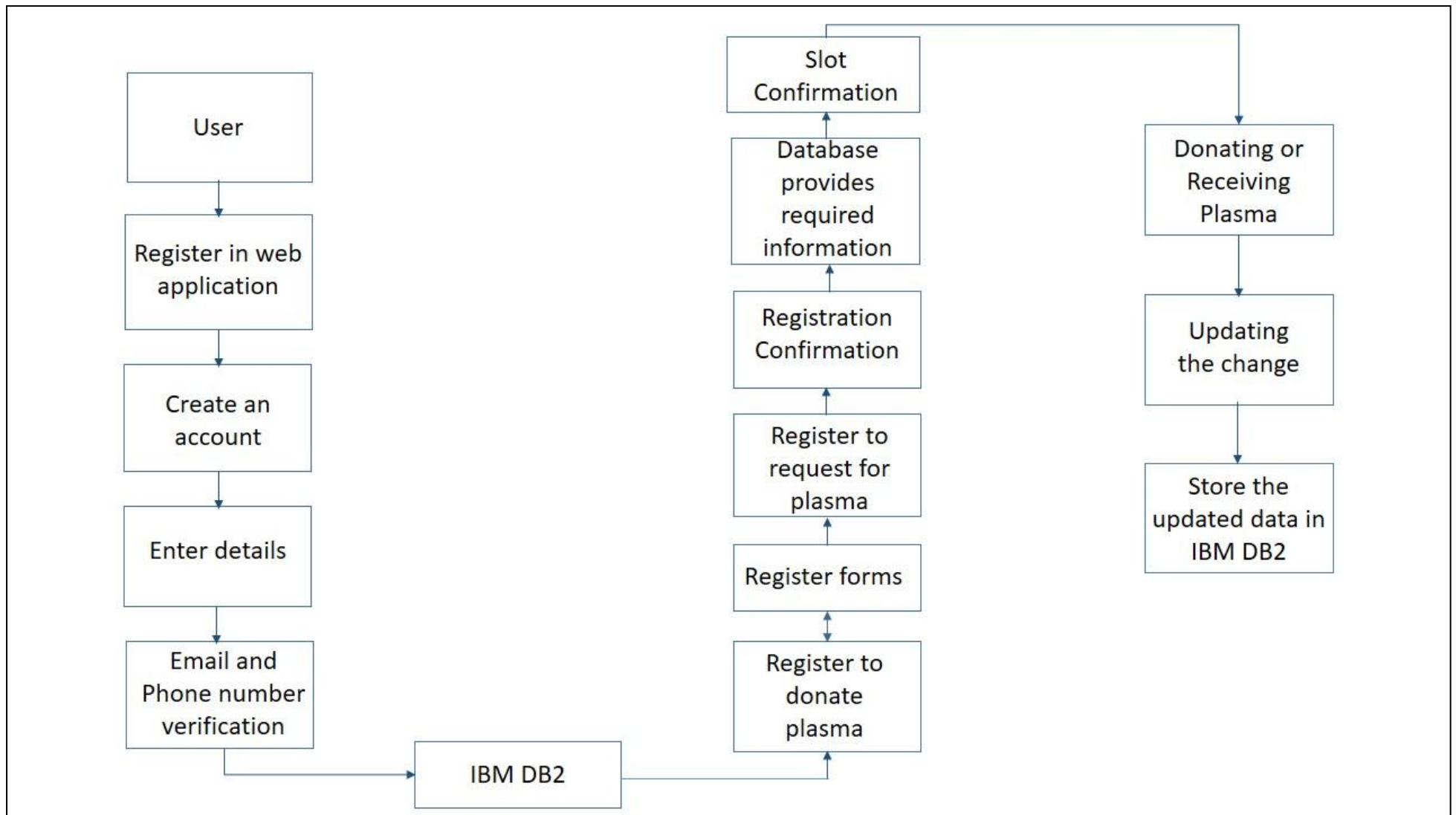
Plasma Donor Application:

Flow:

1. Donor / Recipient can register by entering their details
2. Already registered user can log in using their credentials
3. Users can register for donation or can create a request for plasma
4. All the details are stored in the IBM Database
5. The server provides the information of Plasma availability
6. Users booking can be verified by sending Emails or Messages

Data Flow Diagram : (Plasma Donor Application)

User → Register / Log In → Web → Registering for Plasma Donation / Requesting for Plasma → Server → IBM DB2 for Storing user data, Send Grid

Sending Email/Message alert on request or availability of Plasma

Plasma Donor Application DFD

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Donor / Recipient / Hospital In-Charge (Mobile/Desktop user)	App Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
	Login	USN-2	As a user, I will sign in to the application using my password and username	I can receive confirmation email & click confirm	High	Sprint-1
	Register for donate	USN-3	As a user, I can sign in to the application and fill the plasma donation form. The booking can be confirmed by receiving email.	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Patient/doctor	Find the bank	USN-4	As a user, I can register for the application and can find the available bank nearby.	I can access my account and dashboard	Medium	Sprint-1
	Request for plasma	USN-5	As a user, I can sign into the application by entering email & password and register the plasma request form incase of emergency.	I can register & access the dashboard with facebook login	High	Sprint-1
Administrator	Maintain the applications	USN-6	As an administrator I will provide the necessary details to the system application.	I can access my account/dashboard	High	Sprint-3
	Connect the bank with the users	USN-7	As an administrator, I will provide corrective and efficient communication between the bank and the user.	I can access my account / dashboard	Low	Sprint-4
	Maintain the database	USN-8	As an administrator, I will collect all the required data information of donors,recipients, banks and store those data information in a secured way.	I can access my account / dashboard	Medium	Sprint-4
Plasma Bank	Connect the bank with users	USN-7	As a bank, I provide good connection with users by providing the required help in emergency situations.	I can access my account / dashboard	Medium	Sprint-3
	Maintain the database	USN-8	As a bank, I will maintain the hospital and plasma bank information for users, to access it for their required needs	I can access my account/ dashboard	High	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
BOT	Help the users by using bot	USN-9	As a bot, I will provide interactive communication with the user and provide the information they need..	I can access my account/ dashboard	Medium	Sprint-4