Project Design Phase-II
Data Flow Diagram &User Stories

Date	16 October 2022
Team ID	PNT2022TMID50872
Project Name	Project - Plasma Donor Application
Maximum Marks	4 Marks

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.

Example: DFD Level 0 (Industry Standard)

Flow
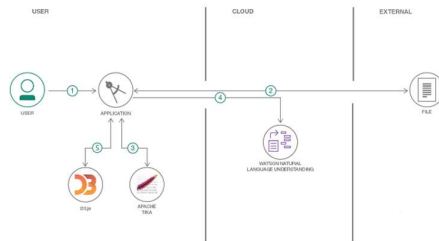
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
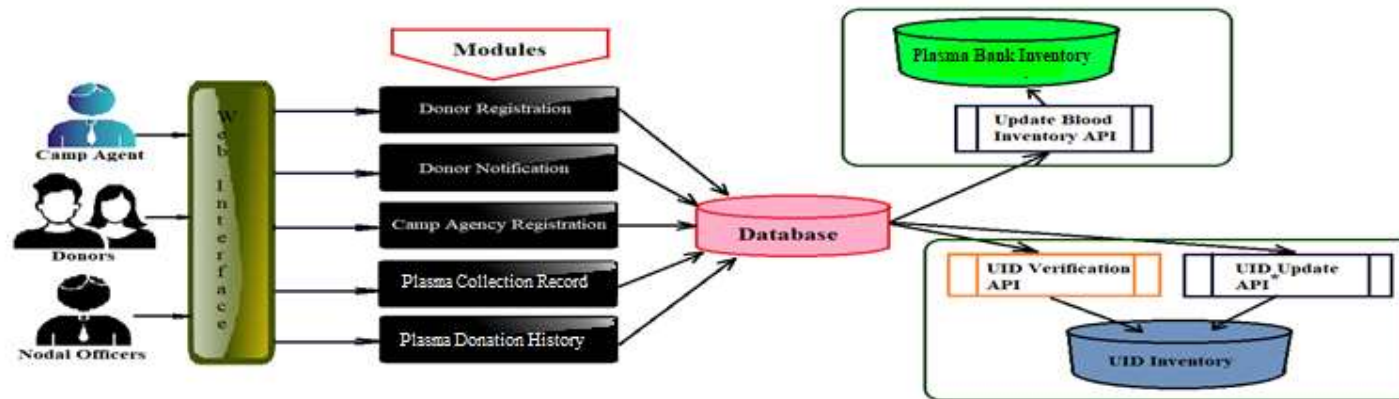5. Enriched data is visualized in the UI using the D3.js library.

Example: (Simplified)
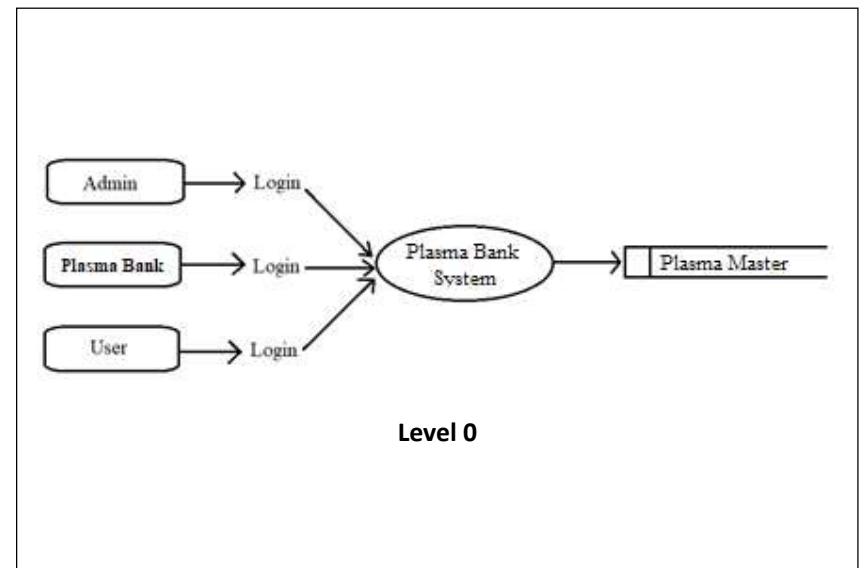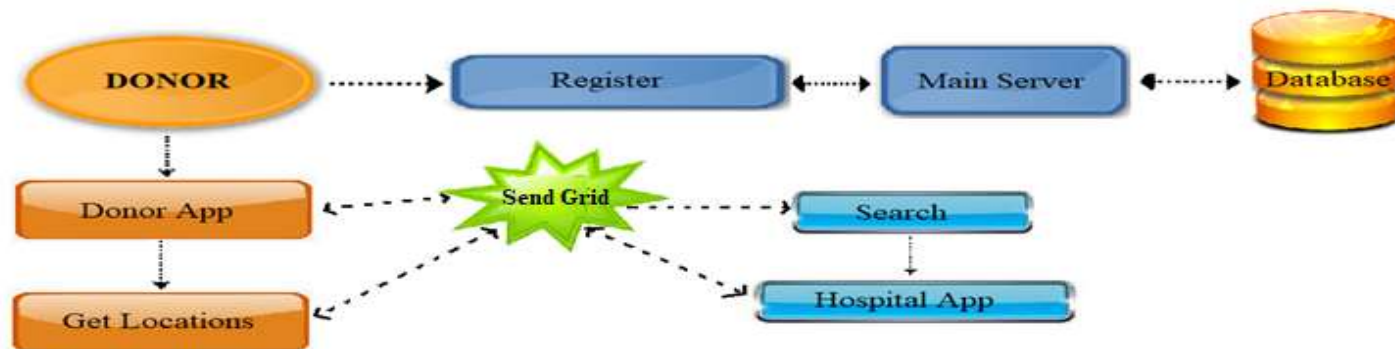
Level 0

Level 1

Level 2

User Stories   **Plasma Bank**

The following are the list of all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Donor	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 can log into the application by entering email & password.	I can receive confirmation Email & click confirm.	High	Sprint-2
	Register for Donate	USN-3	As a User, I can log into the application and find the current bank to donate plasma and confirm my booking.	I can register & access the Dashboard with their Login.	Medium	Sprint-3
Patient/Doctor	Find the Bank	USN-4	As a User, I can directly access the application and find the plasma available bank.	I can access my Account / Dashboard.	High	Sprint-1,2
	Request for Plasma	USN-5	As a User, I can enter into the application and find the current bank and request for plasma and state the emergency.	I can register & access the Dashboard with their Login.	Medium	Sprint-3
Administrator	Maintain the Applications	USN-6	As Administrator, I can log into the application by entering my email, password and maintaining details for users.	I can access my Account / Dashboard.	High	Sprint-3
	Connect to Bank with Users	USN-7	As Administrator, I can hold the good communication between bank and user.	I can access my Account / Dashboard.	Low	Sprint-4
	Maintain Database	USN-8	As Administrator, I can hold the exact details of donor and patient and also bank for requesting and available of plasma.	I can access my Account / Dashboard.	Medium	Sprint-4
Plasma Bank	Connect the Bank with Users	USN-7	As Bank, I can hold the good communication between administrator and user.	I can access my Account / Dashboard.	Medium	Sprint-3
	Maintain Database	USN-8	As Bank, I can hold the details of donor and patient and also bank for requesting and available of plasma.	I can access my Account / Dashboard.	High	Sprint-4
BOT	Help the User my BOT message in Application	USN-9	As AI BOT, I can hold the good communication between bank and user also help the user.	I can access my Account / Dashboard.	Medium	Sprint-4