Project Design Phase-II
Data Flow Diagram & User Stories
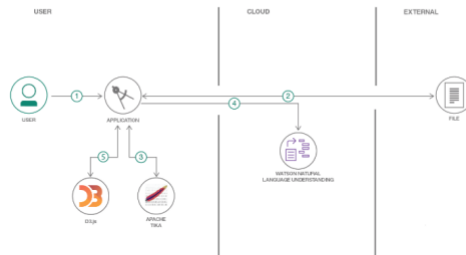
Date	27 February 2026
Team ID	LTVIP2026TMIDS35055
Project Name	Heart disease analysis
Maximum Marks	4 Marks

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: (Simplified)

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.

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
Customer (Mobile user)	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
Customer (mobile user)	Prediction	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Customer (mobile user)	Reports	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer (mobile user)	User management	USN-4	As a user, I can register for the application through Gmail	Report downloaded as pdf	Medium	Sprint-1
Customer (mobile user)	Login	USN-5	As a user, I can log into the application by entering email & password	User list displayed	High	Sprint-1
Customer (mobile user)	Prediction	USN-6	As a user , I can enter patient details to predict heart disease	System displays prediction	High	Sprint 1
Customer (Web user)	Dashboard	USN-7	As a web user , I can view heart disease statistics	Graphs and charts are displayed properly	High	Sprint 1
Customer Care Executive	User support	USN-8	As a support executive, I can view user queries	I can see all submitted queries	Medium	Sprint 2
Administrator	User Management	USN-9	As an admin, I can view all registered user	User list is displayed with details	High	Sprint 1
Administrator	Data Management	USN-10	As an admin , I can manage upload datasets	Admin can edit or delete datasets	High	
Administrator	Model Management	USN-11	As an admin , I can update ML model	Updated model improves prediction accuracy		