Project Design Phase-II
Data Flow Diagram & User Stories
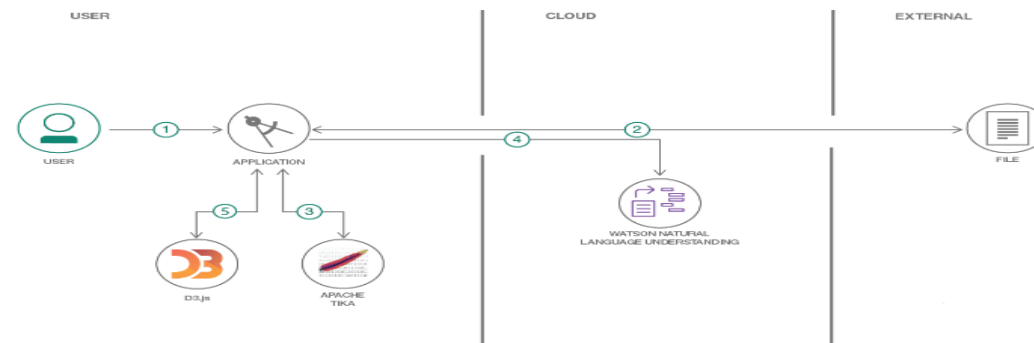
Date	04 June 2025
Team ID	LTVIP2025TMID33353
Project Name	**HealthAI: Intelligent Healthcare Assistant Using IBM Granite**
Maximum Marks	4 Marks

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)**

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 – HealthAI Project :-

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Web user)	Registration	USN-1	As a user, I can register with my name, email, and password.	I can create an account and access the dashboard.	High	Sprint-1
Customer (Web user)		USN-2	As a user, I will receive a confirmation (success) message upon registration.	I see confirmation feedback after signing up.	High	Sprint-1
Customer (Web user)	Login	USN-3	As a user, I can log in using my email and password.	I can successfully log in and use the app.	High	Sprint-1
Customer (Web user)	Patient Chat	USN-4	As a user, I can ask a health-related question and get an AI-based response.	I enter a question and receive a valid reply.	High	Sprint-1
Customer (Web user)	Disease Prediction	USN-5	As a user, I can input symptoms and receive predicted diseases.	I get a disease prediction based on entered symptoms.	High	Sprint-1
Customer (Web user)	Treatment Plans	USN-6	As a user, I can input a disease and get a treatment plan.	I see step-by-step treatment suggestions.	Medium	Sprint-2
Customer (Web user)	Health Analytics	USN-7	As a user, I can view health charts and insights based on data inputs.	I see interactive charts like BMI, BP, etc.	Medium	Sprint-2

Customer (Web user)	Deployment	USN-8	As a user, I can access the deployed web application on my browser.	The system is available online and loads without error.	High	Sprint-2