Project Design Phase-II
Data Flow Diagram & User Stories
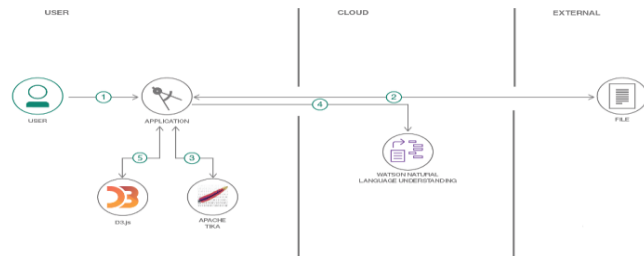
Date	28 june 2025
Team ID	LTVIP2025TMID45999
Project Name	Transfer learning based classification of poultry diseases for enhanced health management.
Maximum Marks	4 Marks

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 leave the system, what changes the information, and where data is stored.

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 1	Uploading image	USN-1	Can I get the name of the disease	name of disease can be displayed.	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer 2	Uploading of image	USN-2	How am I supposed to know the kind of medicine that I have to give	Based on the image provided automatically medicine will be generated	High	Sprint-1
Customer 3	Detecting image	USN-3	As a user, I can generate images of the infected one for the kind of disease that they are suffering with.	Yes can be generated by AI.	Low	Sprint-2
Customer 4	Detection of image	USN-4	Can I get get the guidelines of the usage of the medicine	Yes throught the trained datasets.	Medium	Sprint-1
Customer 5	Uploading of image	USN-5	As a user, can I purchase medicine as suggested	Yes of course.	High	Sprint-1