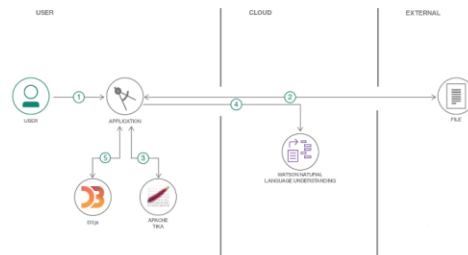| Date	27 June 2025
Team ID	*LTVIP2025TMID38854*
Project Name	Traffictelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	4 Marks

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
User (Web Form)	Input Interface	USN-1	As a user, I can enter data like date, time, weather to estimate traffic volume.	I can see traffic volume prediction after submission.	High	Sprint-1
User (Web Form)	Feedback Display	USN-2	As a user, I can view the predicted traffic volume clearly.	I can view the prediction with proper label and value.	High	Sprint-1
Admin	Model Management	USN-3	As an admin, I can update or replace the model file when needed.	System uses new model file after replacement.	Medium	Sprint-2
Admin	Monitoring	USN-4	As an admin, I can see logs of inputs and predictions made via UI.	Logs are shown in table format.	Low	Sprint-2