Project Design Phase-II
Data Flow Diagram & User Stories
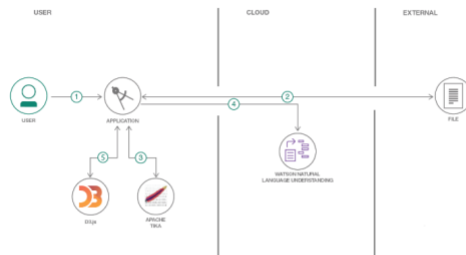
Date	18 November 2022
	PNT2022TMID23562
	Estimate the crop yield using data analytics
	4 Marks

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.
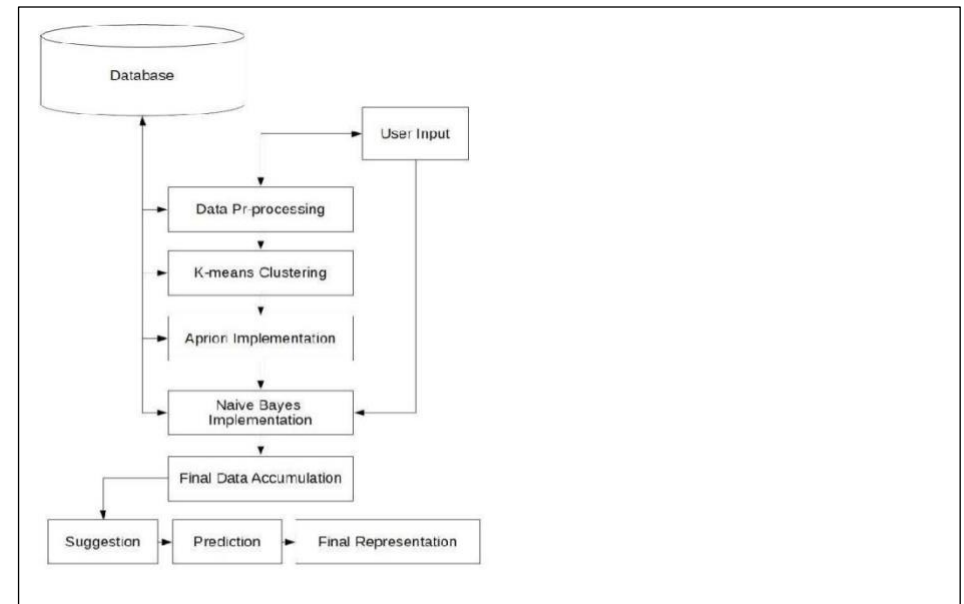
Example : DFD Level 0

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)	Domain Expertise	USN-1	The raw data set is made to process	Data processing	High	Sprint-1
		USN-2	The processed data is prepared	Data preparation	High	Sprint-1
		USN-3	After training and test data is processed, the dataset is modelled using several algorithms	Data modelling	High	Sprint-2
Tester		USN-4	The output is analysed using big data tools		High	Sprint-2
Developer	Data Analysis Tool	USN-5	The outcome is visualized	Data visualization	High	Sprint-2
End user	Data Visualization Tools					