

## Project Design Phase-II Data Flow Diagram & User Stories

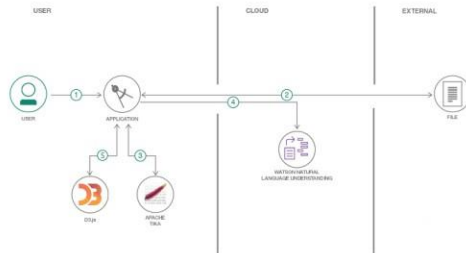
Date	30 September 2023
Team ID	Team-591186
Project Name	Unveiling Market Insights: Analyzing Spending Behaviour and identifying opportunities for growth
Maximum Marks	4 Marks

### 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.

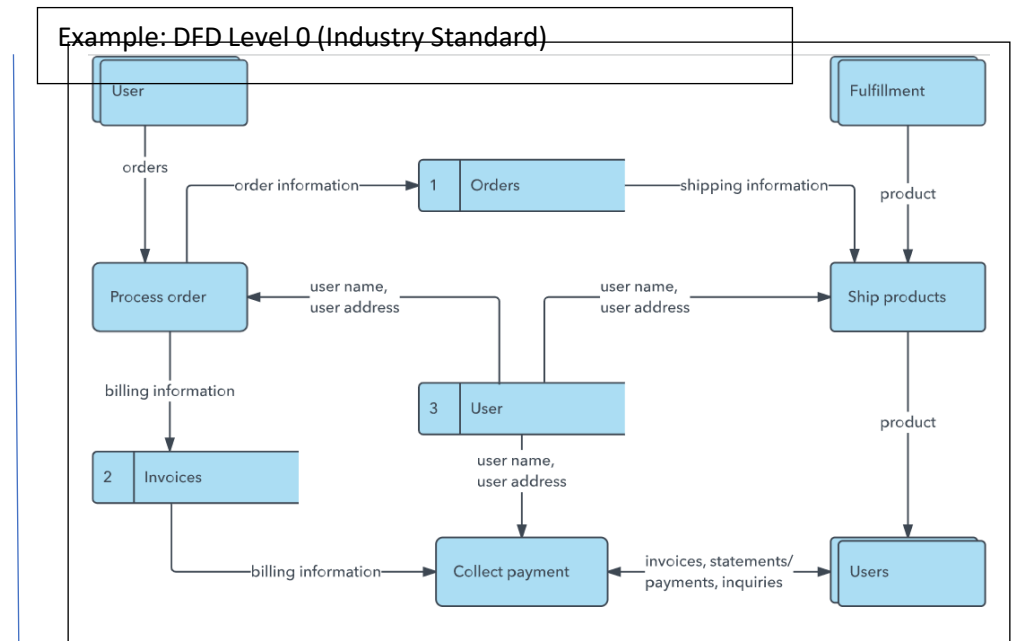
#### Example: (Simplified)

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.

#### Example: DFD Level 0 (Industry Standard)



## 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)	Project Setup and Infrastructure	USN-1	Gather a diverse dataset that contains all the data (market insights dataset) about products sold in a particular area	The dataset contains of many insights and I am able to access them	High	Sprint-1
	Data Preparation	USN-2	prepare the data according to the business need and removing inconsistency if any.	I am able to access the best images possible as I prepared my dataset by elimintaing the inconsistency	High	Sprint-2
	Data Pre-processing	USN-3	clean the data like removing duplicates, formatting dataset, reducing the noise, increasing accuracy of data.	I prepared the dataset for the highest accuracy and precise visualizations.	High	Sprint-2
	Data Visualization	USN-4	We connect the dataset to Tableau and bring out the insights/visualizations from it in form of dashboards and stories.	I can bring out the best visualizations with the available data as it had undergone many pre required steps in order to get accurate and precise visualizations.	High	Sprint-3
	Login	USN-4	As a user, I can log into the application by entering email & password		Medium	Sprint-3
	Dashboard	USN-5	We publish the dashboards and stories. We will be publishing our work on Tableau public so that it can be accessible to many people.	The dashboards can be viewed by many people once we upload it on the tableau public.	High	Sprint-4
Customer (Web user)						
Customer Care Executive						
Administrator						

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