Project Design Phase-II
Data Flow Diagram & User Stories

| Date	27 JUNE 2025
Team ID	LTVIP2025TMID31059
Project Name	Prevent User Deletion if Assigned to an Incident
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.

In the project "Prevent User Deletion if Assigned to an Incident", Data Flow Diagrams (DFDs) illustrate how user deletion requests are processed within the system. The DFD shows the interaction between the admin, the system, and the incident database to validate whether a user is assigned to any active incidents. If the user is linked to an incident, the system blocks the deletion request to maintain data integrity and accountability.

Example:

Flow
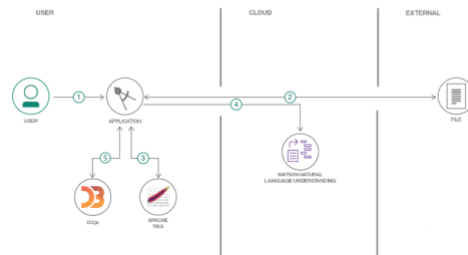
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.
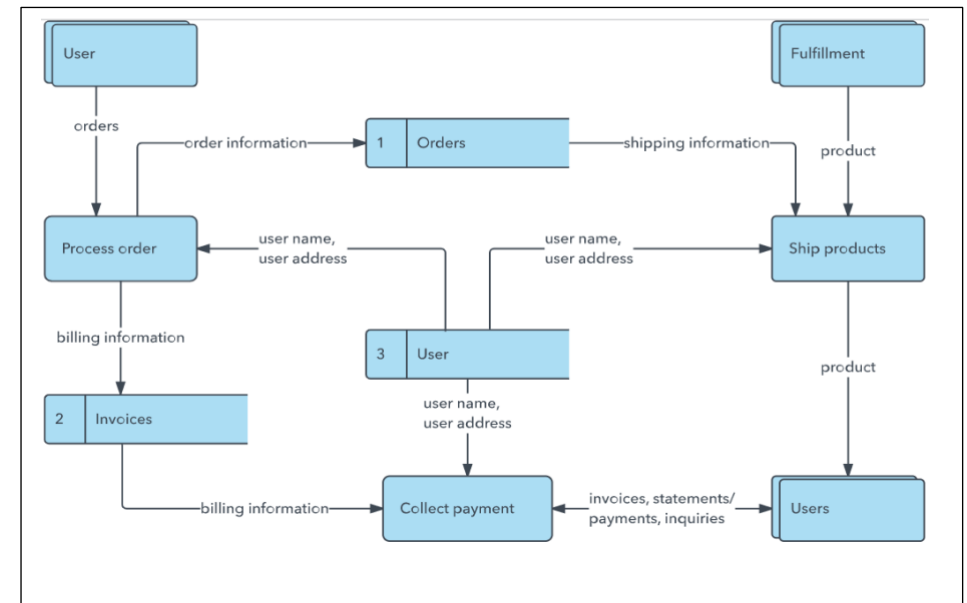
User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure the system blocks user deletion only when necessary, protecting incident data.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	User Management	USN-1	As an admin, I want to delete a user from the system.	The system should allow deletion only if the user is not assigned to any incident.	High	Sprint-1
System (Auto-check)	Validation before Deletion	USN-2	As a system, I must check if the user is linked to any incident before processing a delete request.	Deletion proceeds only if no incident is assigned; else, it should be blocked.	High	Sprint-1
Incident Manager	Alert Notification	USN-3	As an incident manager, I want to receive an alert if a user with assigned incidents is requested for deletion	System shows a warning or alert about linked incidents before deletion.	Medium	Sprint-2