Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2025TMID34512
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep 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.

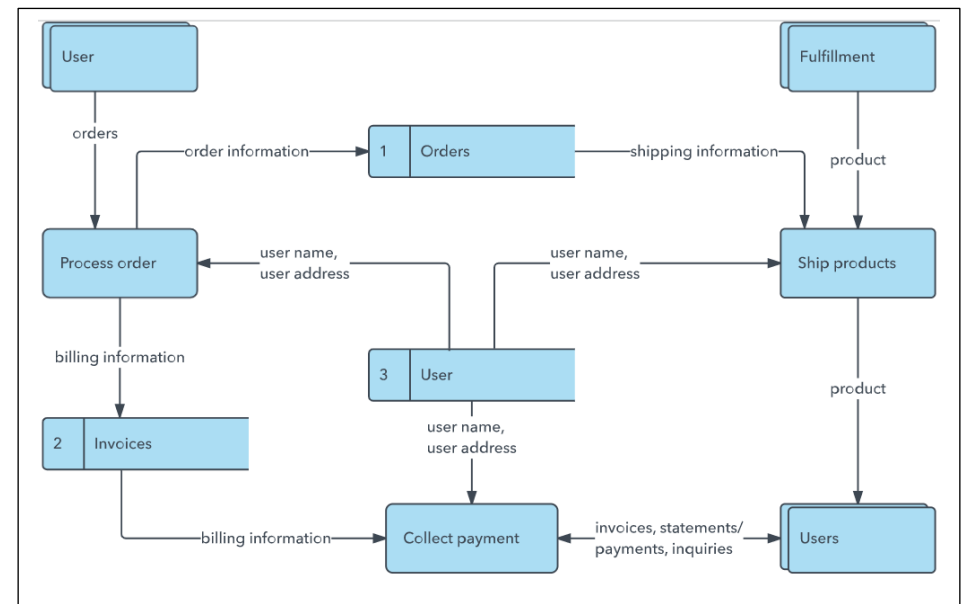**Example:** (Simplified)
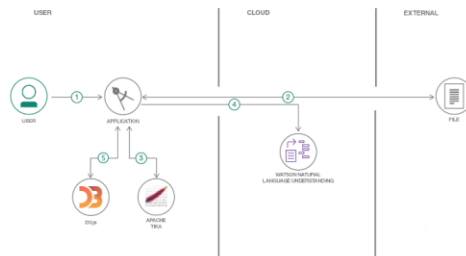
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using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

Example: DFD Level 0 (Industry Standard)

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Mobile User)	Registration	USN-1	As a user, I can register for the Pattern Sense mobile app by entering my email, password, and confirming my password.	I can access my account/dashboard after successful registration.	High	Sprint-1
	Registration	USN-2	As a user, I will receive a confirmation email once I have registered for the application.	I can receive confirmation email & activate my account.	High	Sprint-1
	Registration	USN-3	As a user, I can register for the application through Facebook login.	I can register & access the dashboard with Facebook login.	Low	Sprint-2
	Registration	USN-4	As a user, I can register for the application through Gmail login.	I can register & access the dashboard with Gmail login.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering my email and password.	I can access my account/dashboard after login.	High	Sprint-1
	Dashboard	USN-6	As a user, I can upload fabric images for pattern classification.	I can see pattern classification results after uploading images.	High	Sprint-2