Project Design Phase-II
Data Flow Diagram & User Stories
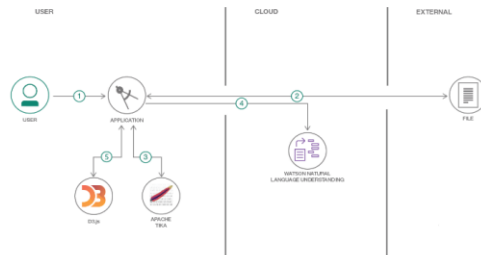
Date	10 Febraury 2026
Team ID	LTVIP2026TMIDS55278
Project Name	Laptop Request Catalog Item
Maximum Marks	4 Marks

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.
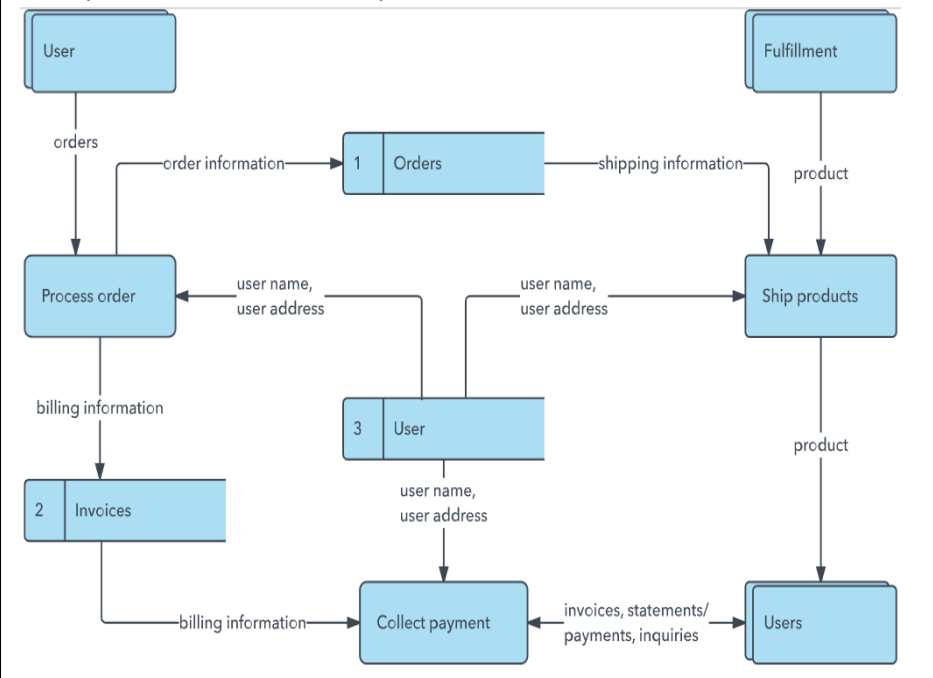
Example: (Simplified)

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
Employee (Catalog User)	Laptop Request Submission	USN-1	As an employee, I can submit a laptop request through the Service Catalog.	Laptop request generates REQ number successfully	High	Sprint-1
Employee (Catalog User)	Laptop Model Selection	USN-2	As an employee, I can select or enter the laptop model while submitting the request.	Selected model is captured in the request record	High	Sprint-1
Employee (Catalog User)	Justification Entry	USN-3	As an employee, I can provide justification for the laptop request.	Justification field is mandatory before submission	High	Sprint-1
Employee (Catalog User)	Dynamic Accessories Field	USN-4	As an employee, I can add additional accessories only when required.	Accessories details field appears only when checkbox is selected	High	Sprint-1
Employee (Catalog User)	Form Reset	USN-5	As an employee, I can reset the form using a UI action.	All entered values are cleared on clicking reset	Medium	Sprint-1
Employee (Catalog User)	Request Tracking	USN-6	As an employee, I can track the status of my laptop request	Request status shows stages like Approval, In Progress, Completed	High	Sprint-1
IT Approver / Manager	Approval Process	USN-7	As an approver, I can approve or reject laptop requests.	Approval updates request stage accordingly	High	Sprint-1
IT Fulfillment Team	Task Management	USN-8	As IT staff, I can view and process laptop request tasks.	Task is created automatically after approval	High	Sprint-1
ServiceNow Administrator	Update Set Management	USN-9	As IT staff, I can view and process laptop request tasks.	All customizations appear in update set	High	Sprint-1