

Project Design Phase-II

Data Flow Diagram & User Stories

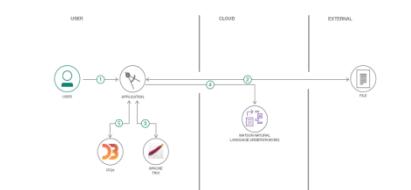
Date	20 feb 2026
Team ID	LTVIP2026TMIDS38385
Project Name	Toycraft Tales:Tableau's Vision Into Toy Manufacturer Data
Maximum Marks	4 Marks

Data Flow Diagrams:

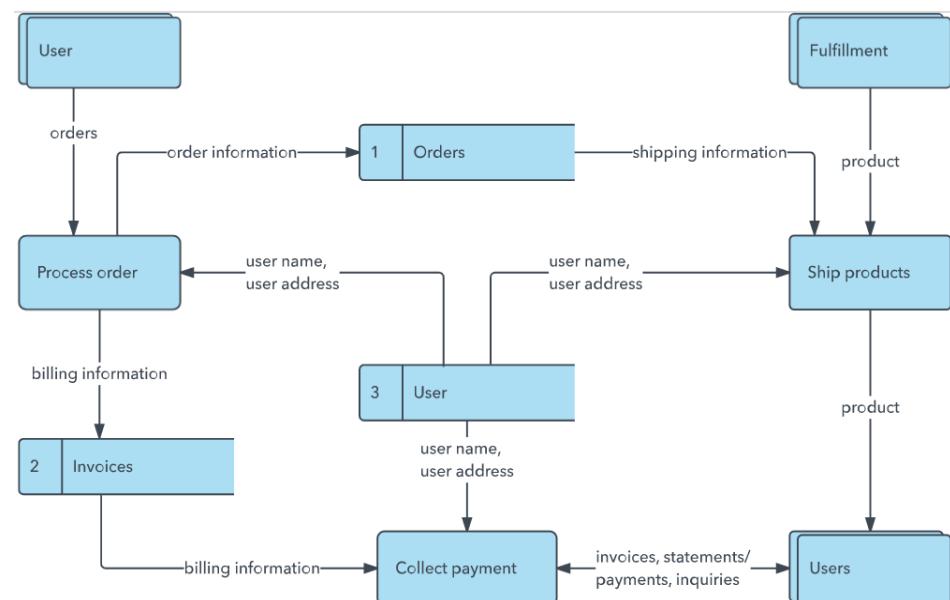
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

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.



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)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Business Manager	Dashboard Access	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Sales Analyst	Category Analysis	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Sales Analyst	Category Analysis	USN-4	As a user, I can register for the application through Gmail	I can view time-series charts showing growth patterns	Medium	Sprint-1
Inventory Manager	Login	USN-5	As a user, I can log into the application by entering email & password	I can identify low-stock and high-demand products	High	Sprint-1
Marketing Team	Dashboard	USN-6	As a marketing executive, I can analyze customer preferences and best-selling products	I can view top-selling products and customer segments	Medium	Sprint-2
Customer (Web user)	Profit Analysis	USN-7	As top management, I can analyze profit margins by product and region	I can view profit ratio and loss-making products	High	Sprint-1
Customer Care Executive	Interactive Filters	USN-8	As a user, I can apply filters (Region, Category, Date) to customize reports	Dashboard updates dynamically based on selected filters	High	Sprint-1

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