

Project Design Phase-II Data Flow Diagram & User Stories

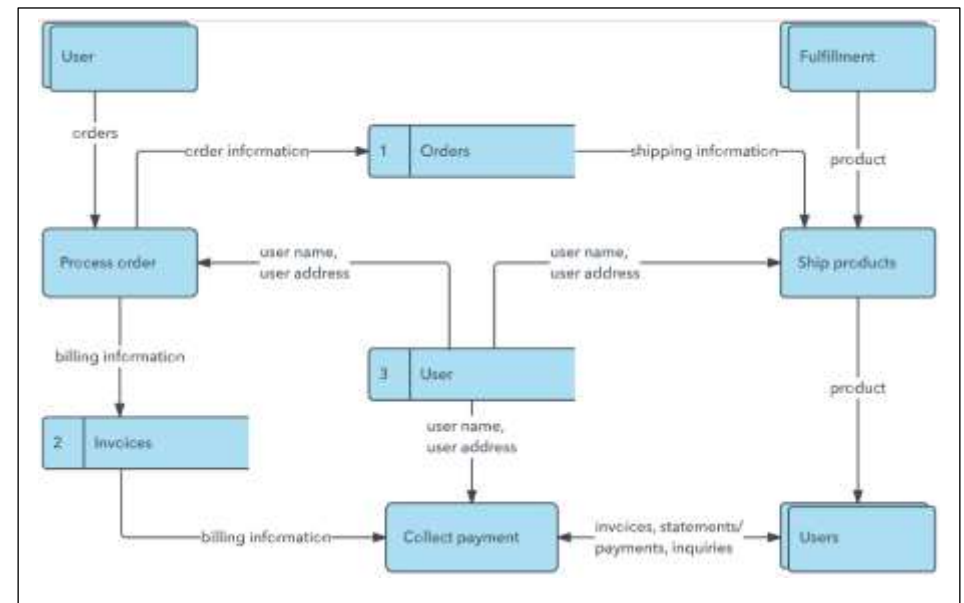
Date	26 June 2025
Team ID	LTVIP2025TMID53236
Project Name	shopsmart: your digital grocery store experience
Maximum Marks	4 Marks

Data Flow Diagrams:

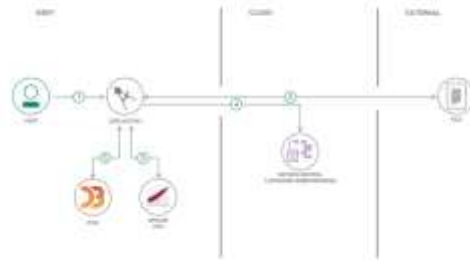
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: [\(Simplified\)](#)

Example: DFD Level 0 (Industry Standard)



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 (Web/Mobile User)	Registration	USN-1	As a customer, I can register by entering my details and confirming OTP/email	Account is created and accessible	High	Sprint-1
Customer	Login	USN-2	As a customer, I can log in using email and password	Dashboard is accessible post-login	High	Sprint-1
Customer	Browse Products	USN-3	As a customer, I can view all available products by category	Product list is shown correctly	High	Sprint-1
Customer	Add To Cart	USN-4	As a customer, I can add products to my cart	Cart is updated and visible	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Checkout	USN-5	As a customer, I can checkout and confirm my order	Order is placed and confirmation is shown	High	Sprint-1
Customer	Payment	USN-6	As a customer, I can make payment using Razorpay or COD	Payment success or failure is handled	High	Sprint-1
Customer	Order Tracking	USN-7	As a customer, I can view my past orders and track current orders	Orders are listed and statuses are visible	Medium	Sprint-3
Admin	Manage Products	USN-8	As an admin, I can add, update, or delete products	Product updates reflect on website	High	Sprint-1
Admin	View Orders	USN-9	As an admin, I can view all orders and update their status	Orders and statuses are accessible	High	Sprint-1
Admin	Dashboard Analytics	USN-10	As an admin, I can view summary of sales/orders	Statistics and charts are shown	Medium	Sprint-3