

Project Design Phase-II

Data Flow Diagram & User Stories

Date	27 july 2025
Team ID	PNT2025TMID14651
Project Name	ShopEZ:E-commerce Application
Maximum Marks	4 Marks

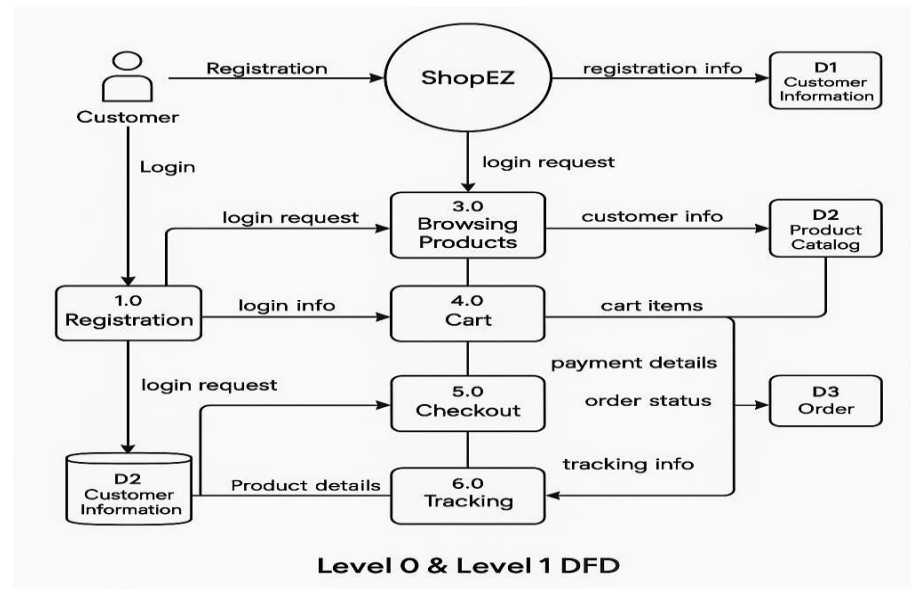
Data Flow Diagrams:

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 Registration and Login:** Customers create accounts or Log in to access services
- 2) **Browsing Products:** Customers search or view items from The product database
- 3) **Cart Management:** Customers add, remove or update items in the shopping cart
- 4) **Checkout Process:** Customers enter shipping details and Confirm orders
- 5) **Payment Processing:** Payment gateway verifies and Processes transactions
- 6) **Order Tracking:** Customers view real-time order

Example: DFD Level 0 and 1 (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 application by entering my name, email, password, and confirming my password.	I can access my account / dashboard after registration	High	Sprint-1
Customer (Mobile user)	Registration	USN-2	As a user, I will receive confirmation email once I register	I can receive confirmation email & click confirm	High	Sprint-1
Customer (Mobile user)	Registration	USN-3	As a user, I can register via Facebook login	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer (Mobile user)	Registration	USN-4	As a user, I can register for the application through Gmail	I can register and access my dashboard with gmail login	Medium	Sprint-2
Customer (Mobile user)	Login	USN-5	As a user, I can log into the application by entering email & password	I can log in and access my account /dashboard	High	Sprint-1
Customer (Mobile user)	Browsing product	USN-6	As a user I can search and filter products by category ,price,and rating	Products matching my criteria are displayed	High	Sprint-1
Customer (Web user)	Browsing product	USN-7	As a user I can view product details(images,description,price,reviews)	Product page displays all required details	High	Sprint-1
Customer (Web user)	Cart Management	USN-8	As a user ,I can add product to my card	Selected product appears in cart	High	Sprint-1
Customer (Web user)	Cart Management	USN-9	As a user I can update quantities or remove items from my cart	Changes are reflected in cart total instantly	Medium	Sprint-2
Customer (Web user)	checkout	USN-10	As a user ,I can enter shipping address and contact info during checkout	Order is ready for payment processing	High	Sprint-1
Customer (Web user)	Payment Processing	USN-11	As a user I can make payment using credit /debit cards ,UPI,or net banking	Payment is processed and confirmation show	High	Sprint-1
Customer (Web user)	Order Tracking	USN-12	As a user I can track my order status in real time	Tracking info is visible in my account	Medium	Sprint-2
Customer (Web user)	Order History	USN-13	As a user I can view my past orders	Order history displays correct details	Low	Sprint-3
Customer care Executive	Order Management	USN-14	As a customer care executive , I can view and update order status	Update status is reflected in customer view	Medium	Sprint-2
Administrator	Product Management	USN-15	As an admin,I can add,update,or remove products from the store	Product list updates instantly in database	High	Sprint-1