

Project Design Phase-II

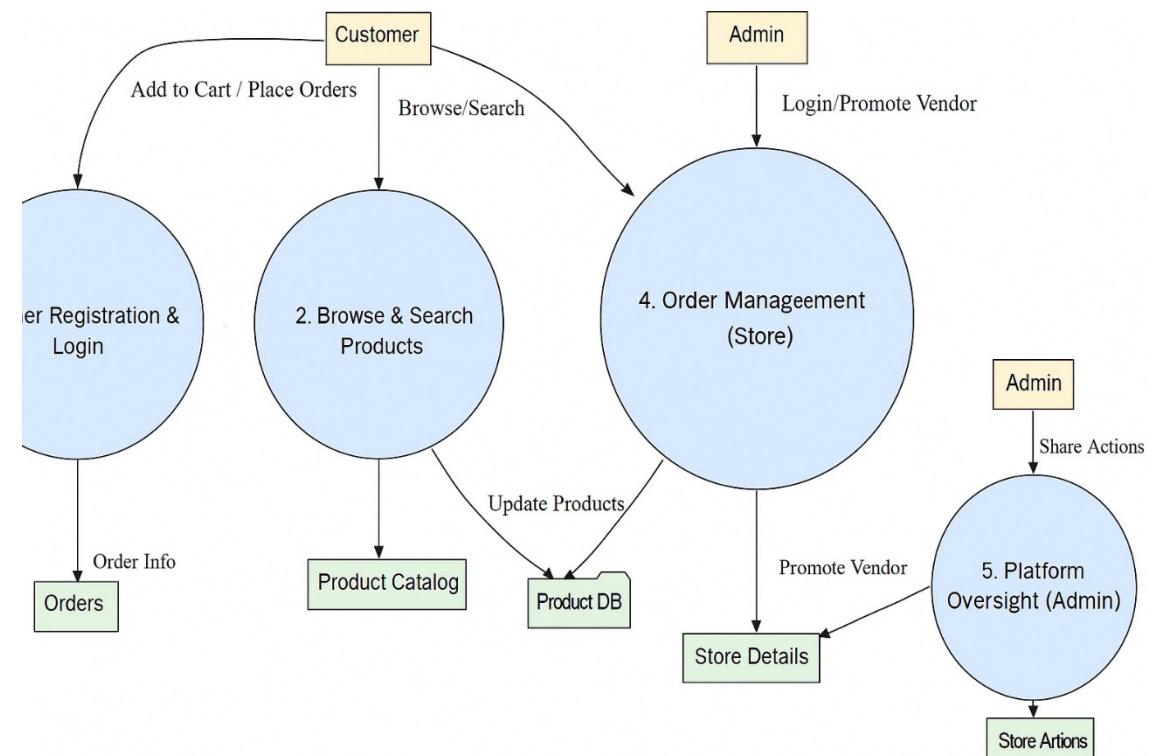
Data Flow Diagram & User Stories

Date	18 February 2026
Team ID	LTVIP2026TMIDS24270
Project Name	ShopEZ: One-Stop Shop for Online Purchases
Maximum Marks	4 Marks

Data Flow Diagrams:

The Data Flow Diagram for ShopSmart showcases the movement of data between different user types (Customers, Store Owners, Admins) and the major system modules such as product listing, cart, order processing, and admin control. It represents how each user type accesses or modifies key data elements like user accounts, product catalogs, orders, and vendor promotions.

Example: DFD Level 0 (Industry Standard)



User Stories

 User Story Table – ShopSmart

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Sprint
Customer	User Authentication	As a user, I can sign up and log in securely.	Token is issued on successful login	High	Sprint-1
Customer	Product Browsing	As a user, I can browse and search grocery items.	Filtered results shown based on search	High	Sprint-1
Customer	View Products & Cart	As a user, I can view items and add them to my cart.	Cart shows items with correct total	High	Sprint-2
Customer	Place Orders	As a user, I can place an order from my cart.	Order saved and visible in my orders	High	Sprint-2
Customer	Track Orders	As a user, I can track order status.	Order moves from "Placed" → "Packed" → "Delivered"	Medium	Sprint-2
Store Owner	Store Dashboard Login	As a vendor, I can log in and manage my store.	Dashboard shows product and order info	High	Sprint-3
Store Owner	Manage Products	As a vendor, I can add/edit/delete grocery products.	Product list updates in real-time	High	Sprint-3
Store Owner	Manage Orders	As a vendor, I can update order statuses.	Status change reflects in user tracking	Medium	Sprint-3
Admin	Admin Login	As an admin, I can log in and manage the platform.	Admin panel loads with analytics	High	Sprint-4
Admin	Vendor Promotion	As an admin, I can promote stores to homepage.	Featured vendors update for users	Medium	Sprint-4