

Project Design Phase-II

Data Flow Diagram & User Stories

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Team ID:	LTVIP2025TMID54172
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.

Level 0 DFD for ShopSmart:

- Users interact with the system via web interface
- Requests go to the ShopSmart Server
- Server interacts with Product Database, Order Service, Payment Gateway
- Data is stored in Cloud Database and Image Storage Service

User Stories

Use the below template to list all the user stories for the product.

User Type: Customer (Web user)

User Story Number	User Story / Task	Functional Requirement (Epic)	Acceptance Criteria	Priority	Release
USN-1	As a user, I can register using email and password.	Registration	User can log in after registration	High	Sprint-1
USN-2	As a user, I receive a confirmation email after	Registration	Confirmation email is received	High	Sprint-1

	registering.				
USN-3	As a user, I can login using email and password.	Login	User can access the dashboard	High	Sprint-1
USN-4	As a user, I can browse product categories.	Shopping	Product categories are visible and clickable	High	Sprint-1
USN-5	As a user, I can add products to the cart.	Cart	Cart updates correctly	High	Sprint-1
USN-6	As a user, I can make secure payments online.	Checkout	Transaction completes successfully	High	Sprint-2
USN-7	As a user, I can view order history.	Account Management	Order history displays past purchases	Medium	Sprint-2
USN-8	As an admin, I can manage product listings.	Admin Dashboard	Admin can add/edit/delete products	High	Sprint-2
USN-9	As a seller, I can track orders and inventory.	Seller Panel	Order and stock info is updated	Medium	Sprint-2