

Project Design Phase-II
Data Flow Diagram & User Stories

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Team ID	LTVIP2025TMID56607
Project Name	ShopSmart: Your Digital Grocery Store
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:

External Entity (Customer): The user who initiates the process by providing their address information.

Process (Address Form UI): The interface where the customer inputs their address details (street, city, state, zip code).

Process (Process Address Data): A system function that receives the raw input. It validates the data for correctness (e.g., checks for required fields, valid zip code format) and formats it for storage.

Data Store (User Profiles Data Store): The database table or collection where the validated and formatted customer address is permanently stored, linked to the customer's account.

Example: (Simplified)

