**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 26-06-2025 |
| Team ID | LTVIP2025TMID59476 |
| Project Name | Shopsmart: your digital grocery store experience |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

**A Data Flow Diagram (DFD) illustrates how data moves within the ShopSmart platform. It captures the interactions of key users (customers, vendors, and admins), internal processing components (product browsing, order placement, inventory management, and payments), and how data is stored and accessed (user profiles, product listings, order history, and transaction logs).**

**A diagram of a service

AI-generated content may be incorrect.**

**User Stories**

**User Stories – ShopSmart**

**User Type: Customer**  
**Functional Requirement (Epic): Product Search & Ordering**  
**User Story / Task:** As a customer, I can search and filter grocery items based on category, brand, or dietary needs.  
**Acceptance Criteria:** Products shown match the selected filters and preferences.  
**Priority:** High  
**Release:** Sprint-1

**User Type: Customer**  
**Functional Requirement (Epic): Order Placement**  
**User Story / Task:** As a customer, I can place an order and proceed to checkout.  
**Acceptance Criteria:** Order is confirmed and saved, and user receives a confirmation.  
**Priority:** High  
**Release:** Sprint-1

**User Type: Vendor**  
**Functional Requirement (Epic): Inventory Management**  
**User Story / Task:** As a vendor, I can add and update products with stock quantity and pricing.  
**Acceptance Criteria:** Updated products reflect in the customer view in real-time.  
**Priority:** High  
**Release:** Sprint-1

**User Type: Vendor**  
**Functional Requirement (Epic): Order Management**  
**User Story / Task:** As a vendor, I can view, accept, or reject incoming orders.  
**Acceptance Criteria:** Status updates are reflected on the customer’s end.  
**Priority:** High  
**Release:** Sprint-2

**User Type: User (Customer/Vendor)**  
**Functional Requirement (Epic): Messaging & Notifications**  
**User Story / Task:** As a user, I can chat with the other party in real-time regarding an order.  
**Acceptance Criteria:** Messages appear instantly and are delivered without lag.  
**Priority:** Medium  
**Release:** Sprint-2

**User Type: Admin**  
**Functional Requirement (Epic): Profile Moderation**  
**User Story / Task:** As an admin, I can manage and update user or vendor profiles.  
**Acceptance Criteria:** Profile changes are saved and reflected immediately.  
**Priority:** High  
**Release:** Sprint-2

**User Type: Customer**  
**Functional Requirement (Epic): Review System**  
**User Story / Task:** As a customer, I can leave a review after receiving my order.  
**Acceptance Criteria:** Review appears publicly on the vendor’s profile.  
**Priority:** Medium  
**Release:** Sprint-2

**User Type: Admin**  
**Functional Requirement (Epic): User Moderation**  
**User Story / Task:** As an admin, I can review flagged users or vendors and take action.  
**Acceptance Criteria:** Actions are logged, and affected users are notified.  
**Priority:** High  
**Release:** Sprint-1