**Project Design Phase-II**
**Data Flow Diagram & User Stories**

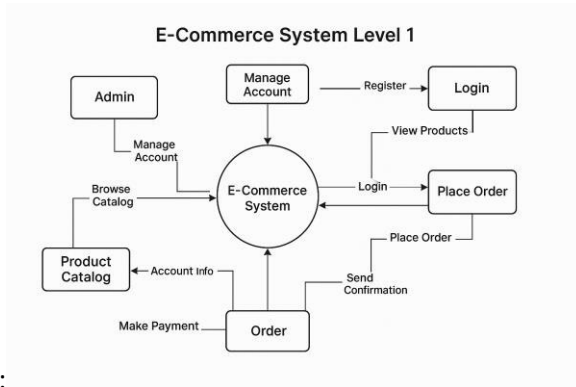| Date | 31 January 2025 |
|---|---|
| Team ID | SWTID1743520710 |
| Project Name | ShopEZ |
| Maximum Marks | 4 Marks |

**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.
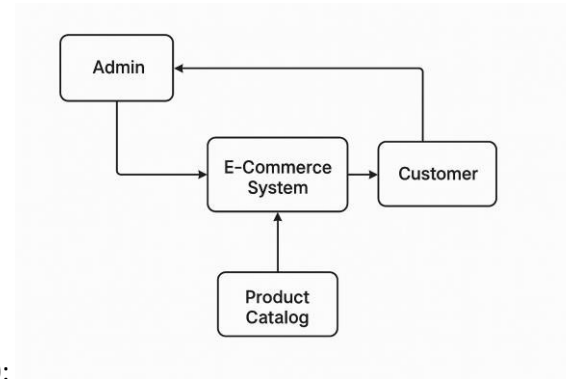
# Level 0 DFD (Context Level)

**Description**: This is the top-level DFD that shows the system as a single process with external entities and data flow.

- **Entities**:
    - **Customer**: Browses, registers, logs in, places orders.
    - **Admin**: Manages products, users, and orders.
- **Processes**:
    - Product management
    - User registration/login

E-Commerce System Level 1

LEVEL 1:                                          LEVEL 0:

## User Stories

| User Type | Functional Requirement | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
|-----------|------------------------|-------------------|-------------------|---------------------|----------|---------|
| Customer | Registration | USN-1 | As a user, I can register using email and password. | I can register and see a success page or dashboard. | High | Sprint-1 |
| Customer | Login | USN-2 | As a user, I can log in using my credentials. | I get access to dashboard after login. | High | Sprint-1 |
| Customer | Browse Products | USN-3 | As a user, I can view all available products. | I can browse product listings with image and price. | High | Sprint-1 |
| Customer | Add to Cart | USN-4 | As a user, I can add products to my cart. | Items appear in my cart list. | Medium | Sprint-2 |
| Customer | Checkout | USN-5 | As a user, I can place an order from my cart. | Order is successfully submitted and confirmation shown. | High | Sprint-2 |
| Customer | View Orders | USN-6 | As a user, I can see my previous orders. | List of my orders is visible in the profile. | Medium | Sprint-2 |

Administrator

| User Type | Functional Requirement | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Admin | Product Management | USN-7 | As an admin, I can add new products to the catalog. | Product is visible in store. | High | Sprint-1 |
| Admin | Product Management | USN-8 | As an admin, I can edit or delete existing products. | Changes reflect on the store. | High | Sprint-1 |
| Admin | Order Management | USN-9 | As an admin, I can view and update order status. | I can mark orders as shipped/delivered. | High | Sprint-2 |
| Admin | User Management | USN-10 | As an admin, I can view a list of all users. | Admin dashboard shows all users. | Medium | Sprint-3 |