

Project Design Phase-II

Data Flow Diagram & User Stories – E-Commerce System

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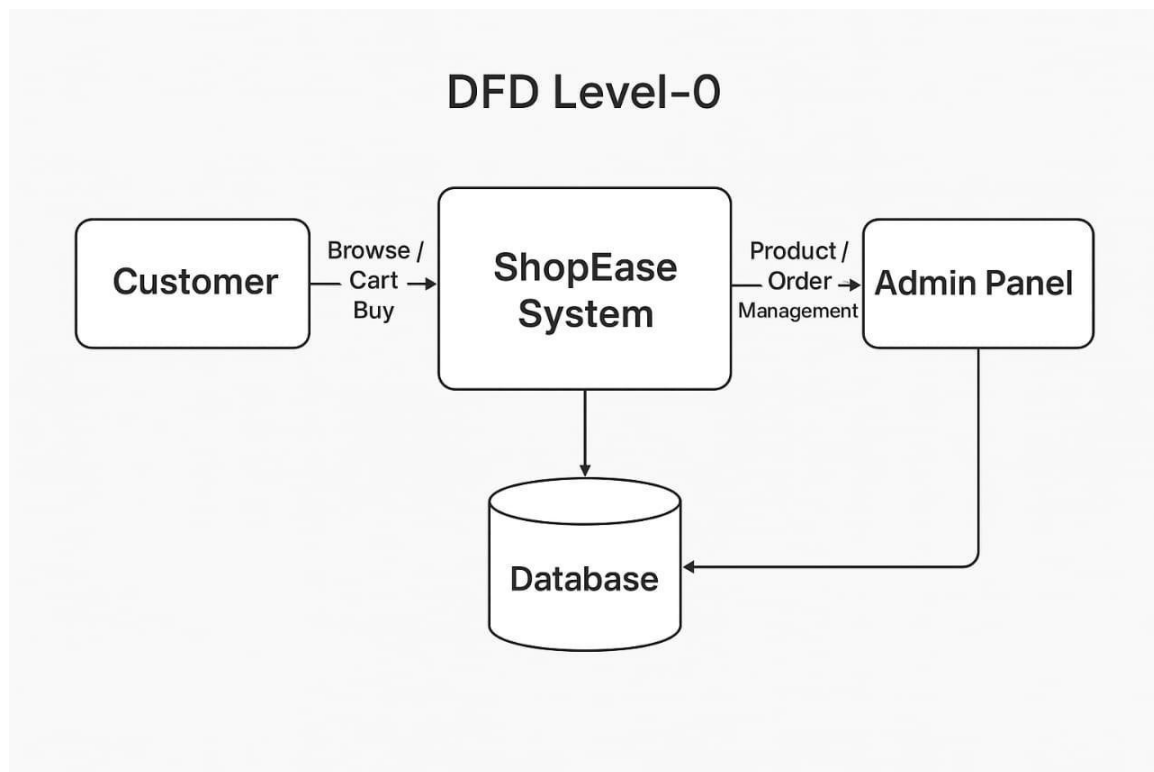
Project Name: ShopEase – E-Commerce Web Application

Maximum Marks: 4 Marks

Data Flow Diagrams

A Data Flow Diagram (DFD) represents how data moves inside the ShopEase E-Commerce platform.

DFD Level-0 (Context Diagram)



DFD Level-1

1. User Module

- User registers / logs in (JWT)
- User updates profile
- User views order history

2. Product Module

- View products list
- Search products
- Filter by category, gender, price

3. Cart Module

- Add to cart
- Remove from cart
- Update quantity

4. Order Module

- Checkout
- Place order
- Payment integration
- Track orders

5. Admin Module

- Add/edit/delete products
- Upload product images
- View all orders
- Update order status

User Stories – ShopEase

Story No.	User Role	User Story
US-01	Customer	Browse all products easily
US-02	Customer	Filter products by

		category/gender/price
US-03	Customer	Add items to cart
US-04	Customer	Place an order securely
US-05	Admin	Manage products with images
US-06	Admin	View and manage orders
US-07	Admin	Update order status
US-08	Customer	Search products quickly