ShopEZ: One Stop Shop For Online Purchases

Team ID: LTVIP2025TMID20429
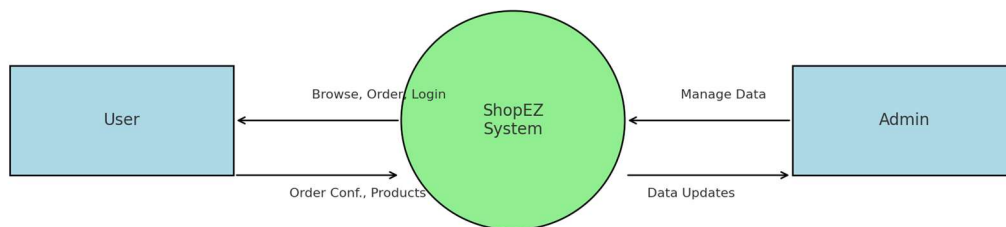
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Data Flow Diagrams

A Data Flow Diagram (DFD) is a graphical representation of the flow of data through a system. It shows how data is processed by a system in terms of inputs and outputs. Below are two levels of DFDs for the ShopEZ e-commerce platform.
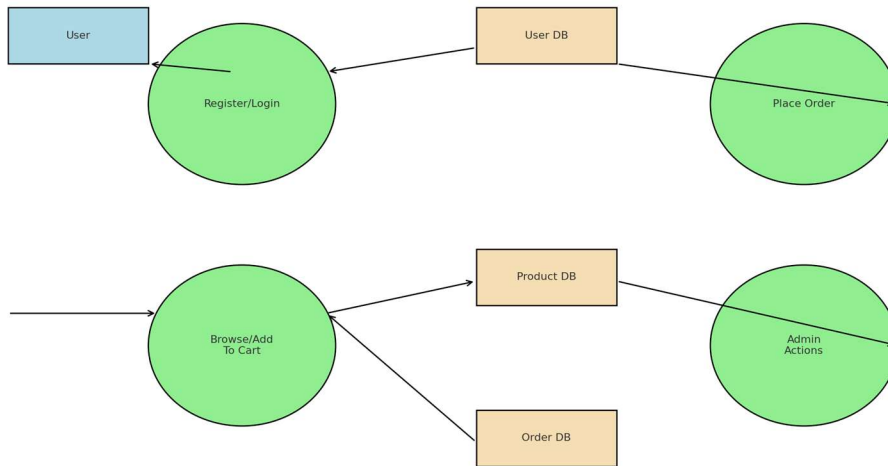
Level 0 DFD - ShopEZ

The Level 0 DFD provides a high-level overview of the ShopEZ system, showing the major external entities, main processes, and data stores. It illustrates how a user interacts with the platform for actions such as registration, login, browsing products, placing orders, and receiving order confirmations.

Level 1 DFD - ShopEZ (User Registration and Order Flow)

The Level 1 DFD decomposes the user registration and order placement processes into more detailed steps. It includes interactions such as user credential validation, product catalog access, cart management, and order processing with confirmation.

User Stories

User stories describe features from the perspective of the end-user. They help developers
understand the functional requirements and expected behavior of the application.

User Type	User Story #	Functional Requirement	User Story / Task	Acceptance Criteria	Priority
Customer (Mobile)	USN-1	Registration	As a user, I can register using email, password, and confirm password.	User can access dashboard after registration.	High
Customer (Mobile)	USN-2	Registration	As a user, I will receive a confirmation email after registration.	User receives confirmation email and clicks to verify.	High
Customer (Mobile)	USN-3	Registration	As a user, I can register through Facebook.	User can log in with Facebook.	Low

Customer (Mobile)	USN-4	Registration	As a user, I can register through Gmail.	User can log in with Gmail.	Medium
Customer (Mobile)	USN-5	Login	As a user, I can log in using email and password.	User can access their profile page.	High
Customer (Mobile)	USN-6	Shopping	As a user, I can browse and filter products.	Filtered products are displayed.	High
Customer (Mobile)	USN-7	Cart	As a user, I can add items to the cart.	Items are added and visible in cart.	High
Customer (Mobile)	USN-8	Order	As a user, I can place an order with payment and address.	Order is confirmed with summary.	High
Administrator	USN-9	Admin Dashboard	As an admin, I can manage product listings.	Admin can add/edit/delete products.	High
Administrator	USN-10	User Management	As an admin, I can view registered users.	Admin sees the user list.	Medium