E-Commerce

A basic terminal-based e-commerce platform using Mediator, Template Method and Strategy Pattern.

Input

1. Product information (name, description, price, image, inventory)
2. User information (name, email, password, address)
3. Payment information (credit card, PayPal, cryptocurrency)

Output

1. Product listings and details
2. Order confirmation and payment receipt

Task Details

- To manage communication between the products, users, and payments, the Mediator pattern is implemented.
- To provide a standard process for displaying and purchasing products, managing user accounts, and processing payments, the Template method is implemented.
- To allow users to choose between different payment methods, such as credit card, PayPal, and cryptocurrency, and to offer different discounts and promotions based on user preferences, the Strategy pattern is implemented.