

### Online 3

Time: 25 minutes

You need to build a payment system for an e-commerce platform that supports multiple payment methods, such as credit cards, BKash, and cryptocurrency (e.g., Bitcoin). The platform should let customers choose their preferred payment method during checkout and process the payment accordingly.

The system should allow customers to easily switch between payment methods during checkout. The owner might expect to extend new payment methods in the future.

#### **Expectation:**

- When a customer selects a payment method, the system should use the corresponding strategy to process the payment.
- The system should easily integrate new payment methods without significant changes.