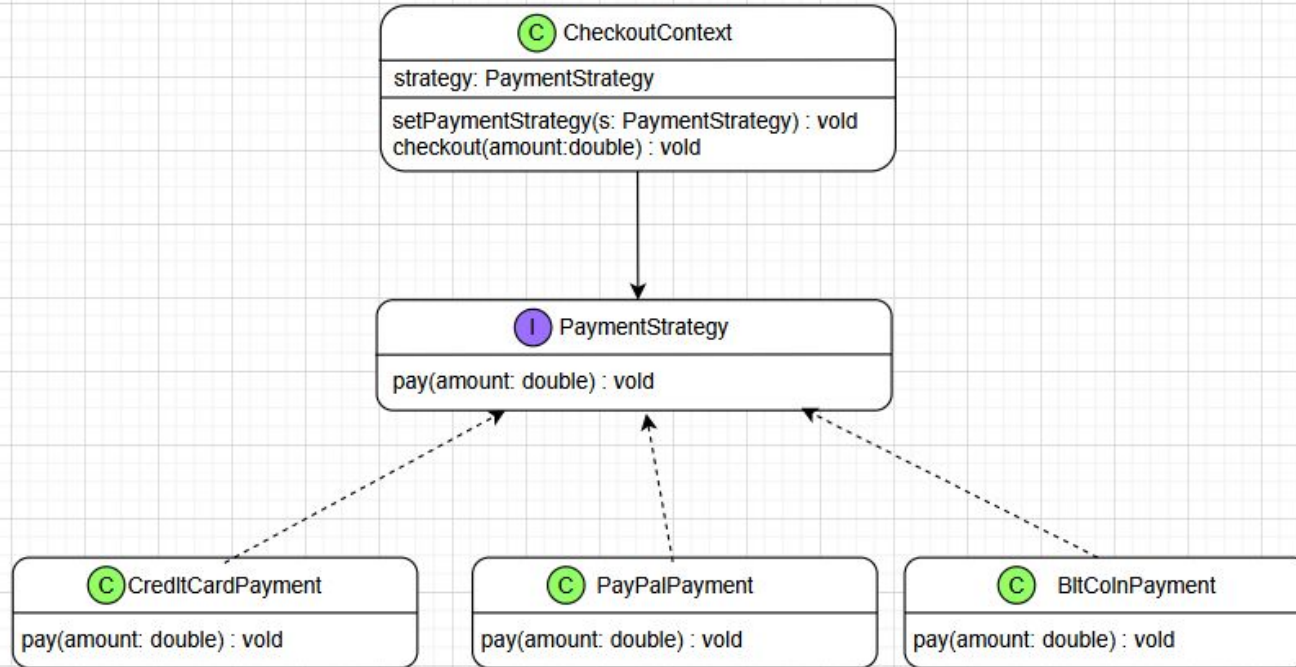


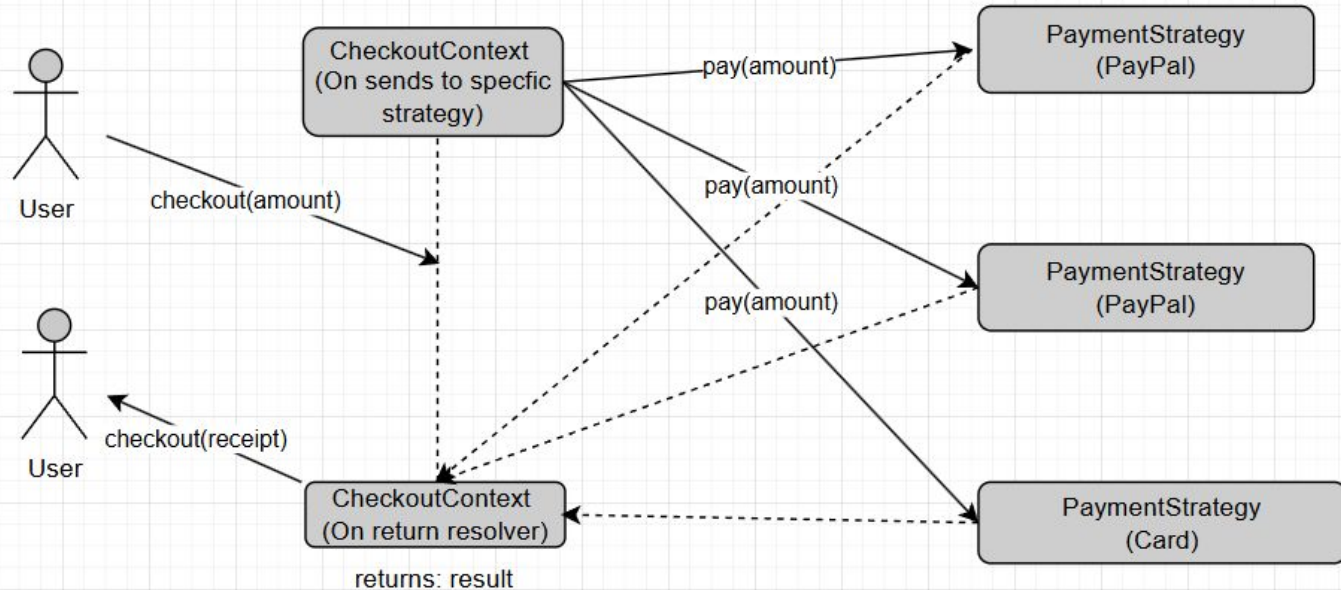
Second Team-Based Evaluation Part 2

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Strategy UML (draw.io) Design Class Diagram



Strategy UML (draw.io) Sequence Diagram



Strategy Java Code

```
1 public interface PaymentStrategy {  
2     void pay(double amount);  
3 }
```

```
1 public class CreditCardPayment implements PaymentStrategy {  
2     @Override  
3     public void pay(double amount) {  
4         System.out.println("Paying $" + amount + " using Credit Card.");  
5     }  
6 }  
7
```

```
1 public class PayPalPayment implements PaymentStrategy {  
2     @Override  
3     public void pay(double amount) {  
4         System.out.println("Paying $" + amount + " using PayPal.");  
5     }  
6 }
```

```
1 ✓ public class BitcoinPayment implements PaymentStrategy {  
2     @Override  
3 ✓ public void pay(double amount) {  
4         System.out.println("Paying $" + amount + " using Bitcoin.");  
5     }  
6 }
```

Strategy Java Code

> J Main.java >...

```
import java.util.Scanner;
```

```
public class Main {
```

Run main | Debug main | Run | Debug

```
public static void main(String[] args) {
```

```
    CheckoutContext checkout = new CheckoutContext();
```

```
    Scanner scanner = new Scanner(System.in);
```

```
    System.out.println(x:"Select Payment Method:");
```

```
    System.out.println(x:"1. Credit Card");
```

```
    System.out.println(x:"2. PayPal");
```

```
    System.out.println(x:"3. Bitcoin");
```

```
    int choice = scanner.nextInt();
```

```
    System.out.print(s:"Enter amount: ");
```

```
    double amount = scanner.nextDouble();
```

```
    switch (choice) {
```

```
        case 1:
```

```
            checkout.setPaymentStrategy(new CreditCardPayment());
```

```
            break;
```

```
        case 2:
```

```
            checkout.setPaymentStrategy(new PayPalPayment());
```

```
            break;
```

```
        case 3:
```

```
            checkout.setPaymentStrategy(new BitcoinPayment());
```

```
            break;
```

```
        default:
```

```
            System.out.println(x:"Invalid choice.");
```

```
            return;
```

```
    checkout.checkout(amount);
```

```
    scanner.close();
```

```
}
```

Thank You!