

# Payment Gateway

## Sample Input and Output

### Credit Card Payment

```
Welcome to the Payment Gateway System.
Enter payment processor type (CreditCard/PayPal/Bitcoin):
CreditCard
Enter the amount to process:
500
Jul 27, 2024 12:36:05 PM Exercise1_Design_Patterns.Creational.Factory_method.SimplePaymentProcessorFactory createPaymentProcessor
INFO: Created Credit Card Processor
Processing Credit Card payment of Rs. 500.0
Payment processed using: Credit Card Processor
```

### PayPal Payment

```
Welcome to the Payment Gateway System.
Enter payment processor type (CreditCard/PayPal/Bitcoin):
PayPal
Enter the amount to process:
2000
Jul 27, 2024 12:36:38 PM Exercise1_Design_Patterns.Creational.Factory_method.SimplePaymentProcessorFactory createPaymentProcessor
INFO: Created PayPal Processor
Processing PayPal payment of Rs. 2000.0
Payment processed using: PayPal Processor
```

### Bitcoin Payment

```
Welcome to the Payment Gateway System.
Enter payment processor type (CreditCard/PayPal/Bitcoin):
Bitcoin
Enter the amount to process:
2
Jul 27, 2024 12:37:59 PM Exercise1_Design_Patterns.Creational.Factory_method.SimplePaymentProcessorFactory createPaymentProcessor
INFO: Created Bitcoin Processor
Processing 2.0Bitcoin
Payment processed using: Bitcoin Processor
```

### Error Handling

```
Welcome to the Payment Gateway System.
Enter payment processor type (CreditCard/PayPal/Bitcoin):
DebitCard
Enter the amount to process:
200
Jul 27, 2024 12:38:49 PM Exercise1_Design_Patterns.Creational.Factory_method.SimplePaymentProcessorFactory createPaymentProcessor
WARNING: Unknown payment processor type: DebitCard
Unknown payment processor type: DebitCard
```