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Overview



What is message passing?

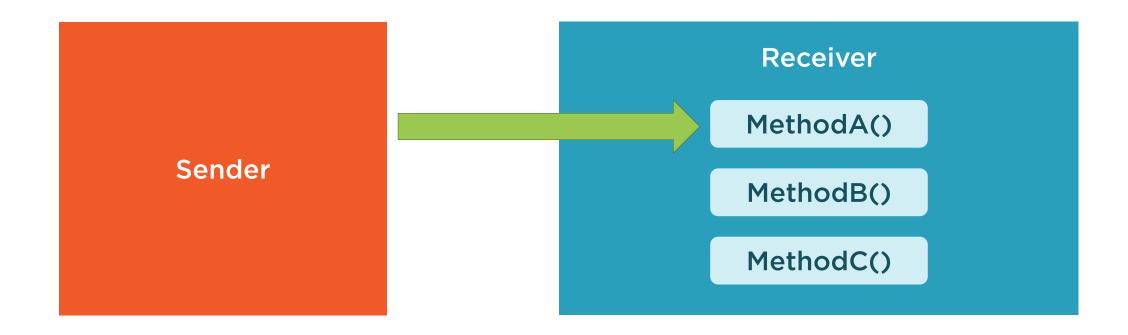
Strategies



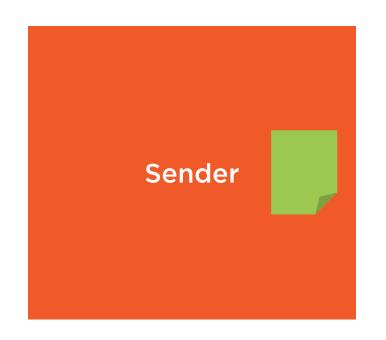
Sending a message to an object, but letting that object determine what to do with it

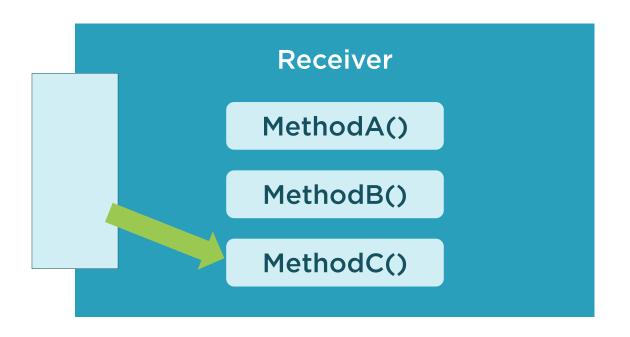


Conventional Invocation











CreditCard

AvailableCredit()







Strategies

Channels Interfaces



Interfaces

```
type PaymentOption interface {
    ProcessPayment(float32) bool
type CashAccount struct {}
func (c *CashAccount) ProcessPayment(amount float32) bool { ... }
type CreditAccount struct { ... }
func (c *CreditAccount) ProcessPayment(amount float32) bool { ... }
```



Interfaces

```
var paymentOption PaymentOption

paymentOption = &CashAccount{}

ok := paymentOption.ProcessPayment(500)

paymentOption = &CreditAccount{ ... }

ok = paymentOption.ProcessPayment(500)
```



Channels

```
type CreditAccount struct { ... }
func (c *CreditAccount) processPayment(amount float32) { ... }
func CreateCreditAccount(chargeCh chan float32) *CreditAccount {
    creditAccount := &CreditAccount{ ... }
   go func(chargeCh chan float32) {
        for amount := range chargeCh {
            creditAccount.processPayment(amount)
    }(chargeCh)
    return creditAccount
```

Channels

```
chargeCh := make(chan float32)
account := CreateCreditAccount(chargeCh)
chargeCh <- 500</pre>
```



Summary



What is message passing?

Strategies

- Interfaces
- Channels

