17 – Strategy

# Setting

* Running a bar

# Steps

## 01 🡪 02

* Introduce strategy interface IBillingStrategy to be supplied to Customer instead
  + Decimal CalculatePricing( Order )
* Customer
  + Ctor (IBillingStrategy )
* Create 3 new billing strategy classes
  + NormalBillingStrayegy
  + RegularBillingStrategy
  + StudentBillingStrategy
* Use new set up in Program.cs

## 02 🡪 03

* Make strategies Func<Order,decimal> in Program.cs
* Customer
  + Ctor Func<Order,decimal>
* Use new setup in Program.cs

## 03 🡪 04

* Pass strategies Func<Order,decimal> to Customer.PlaceOrder() instead of Ctor
* Customer
  + PlaceOrder( Order, Func<Order,decimal> )
* Create HappyHourBillingStrategy and (de)activate in Program.cs
* Use new setup in Program.cs

## 05 🡪 06

* Implement IComparable<Product> on Product
  + E.g. Suggested Price