Proyecto sin título

Olivera Matias | PR1-2020-2 | 10/26/2020, 5:25:15 PM | 113 minutos

class Commerce :

public double getTotalBilled ()

double totalBilled ← 0

Operation operation : this.getOperations()	totalBilled += operation.getAmount()
return totalBilled	

class Operation :

abstract public double getAmount ()

class Service extends Operation :

public double getAmount ()

return this.getHours() * this.HOUR_VALUE

class Repair extends Service :

public double getAmount ()

boolean differentialPrice ← this.getDifficulty() > this.DIFFICULTY_DIFFERENTIAL_PRICE_FROM
double priceWithoutAlicuot ← differentialPrice ? super.getAmount() * (1 + (this.DIFFERENTIAL_PRICE_PERCENTAGE
return Matematica.sumPercentage(priceWithoutAlicuot, Commerce.ALICUOT / 2)

class Input extends Operation :

public void getAmount ()

double priceWithoutAlicuot ← Matematica.sumPercentage(this.getListPrice(), this.getProfit())
return Matematica.sumPercentage(priceWithoutAlicuot, Commerce.ALICUOT)

class Commerce :

public int getQuantitySimpleServices ()

int quantity ← 0

Repair repair : this.getRepairServices()	repair.getDifficulty() < SIMPLE_SERVICE_LIMIT
	V quantity++ F

```
                       return quantity
```

class Commerce :
    private ArrayList<Service> getServiceOperations ()

ArrayList<Service> services ← new ArrayList<>

```
┌──┬──────────────────────────────┬──────────────────────────────┐
│  │      Operation operation :   │V  operation instanceof Service F│
│  │      this.getOperations()    ├──────────────────────────────┬─┤
│  │                              │   services.add(operation)    │ │
├──┴──────────────────────────────┴──────────────────────────────┤
│                       return services                           │
└─────────────────────────────────────────────────────────────────┘
```

class Commerce :
    private ArrayList<Repair> getRepairServices ()

ArrayList<Repair> services ← new ArrayList<>

```
┌──┬──────────────────────────────┬──────────────────────────────┐
│  │       Service service :      │V  service instanceof Repair  F│
│  │   this.getServiceOperations()├──────────────────────────────┬─┤
│  │                              │    services.add(service)     │ │
├──┴──────────────────────────────┴──────────────────────────────┤
│                       return services                           │
└─────────────────────────────────────────────────────────────────┘
```