

Package BuildingCentreReceipt

Class CraftsmanSupport

java.lang.Object

BuildingCentreReceipt.BuildingCentreProductBase

BuildingCentreReceipt.CraftsmanSupport

All Implemented Interfaces:

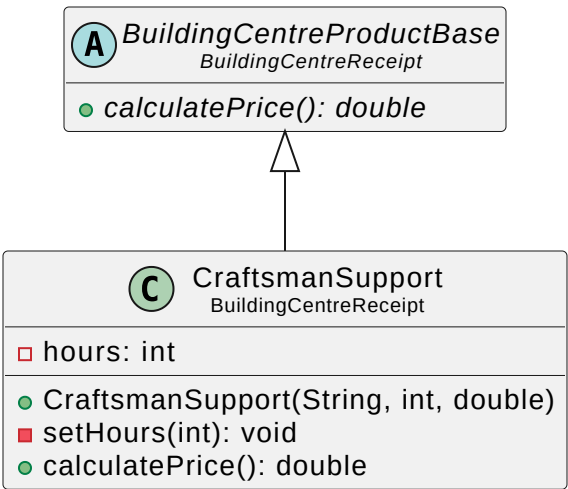
java.lang.Comparable<BuildingCentreProductBase>

public class CraftsmanSupport

extends BuildingCentreProductBase

The service of hiring a craftsman to help with building as a product in the building centre.

Craftmen can be hired on an houerly basis with a certain hourly rate.



UMLDoclet 2.1.0, PlantUML 1.2022.14

Field Summary

Fields		
Modifier and Type	Field	Description
private int	hours	The number of hours this service is hired for. Defaults to a minimum of one hour.
Fields declared in class BuildingCentreReceipt.BuildingCentreProductBase		
name, price		

ALL CLASSES

SEARCH:

SUMMARY: NESTED | FIELD | CONSTR | METHOD    DETAIL: FIELD | CONSTR | METHOD

**CraftsmanSupport**

```
(java.lang.String craftsmanType, int hours,
double pricePerUnit)
```

Constructs a craftman support of a specific type for a specified number of hours at a specified hourly rate.

**Method Summary****All Methods****Instance Methods****Concrete Methods**

Modifier and Type	Method	Description
double	<b>calculatePrice()</b>	calculates the price of this support as duration times rate.
private void	<b>setHours</b> (int hours)	set the duration of this support. in case of illegal arguments, a warning is printed and the hours are set to default
java.lang.String	<b>toString()</b>	String representation of this support. The string representation includes type, price per hour, total price, and number of hours.

**Methods declared in**  
**class BuildingCentreReceipt.**BuildingCentreProductBase****

```
compareTo, getName, getPricePerUnit, price
```

**Methods declared in class java.lang.Object**

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

**Field Detail****hours**

## Constructor Detail

### CraftsmanSupport

```
public CraftsmanSupport(java.lang.String craftsmanType,
                        int hours,
                        double pricePerUnit)
```

Constructs a craftman supprt of a specific type for a specified number of hours at a specified hourly rate.

**Parameters:**

craftsmanType - the type of craftman hired

hours - the number of hours of this support

pricePerUnit - the hourly rate for this support in EUR/h

**Hint:**

call the super constructor, call the final setter for the hours

## Method Detail

### setHours

```
private final void setHours(int hours)
```

set the duration of this support.

in case of illegal arguments, a warning is printed and the hours are set to default

**Parameters:**

hours - the number of hours to set

### calculatePrice

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calculatePrice in class BuildingCentreProductBase

Returns:  
the price of this product in euro (EUR)

toString

public java.lang.String toString()

String representation of this support.  
The string representation includes type, price per hour, total price,and nmber of hours.

Overrides:  
toString in class BuildingCentreProductBase

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