Package BuildingCentreReceipt

Class Main

java.lang.Object
    BuildingCentreReceipt.Main

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public class **Main**
extends java.lang.Object

Demo application of the buildin centre.

C	Main BuildingCentreReceipt

🟢 main(String[]): void
🟥 printReceipt(List<BuildingCentreProductBase>, String): void
🟥 receiptText(List<BuildingCentreProductBase>): String

UMLDoclet 2.1.0, PlantUML 1.2022.14

Constructor Summary

Constructors	
Constructor	**Description**
Main()	

Method Summary

| All Methods | Static Methods | Concrete Methods |

Modifier and Type	Method	Description
static void	**main**(java.lang.String[] args)	Demonstrates the principle use of the classes of the building centre. In main you create and display the receipt text for the shopping cart print the receipt to file "BuildingCentreReceipt" filter the shopping cart with search term "Brick" sort the shoppingcart by name and display again
private static void	**printReceipt** (java.util.List<**BuildingCentreProductBase**> shoppingCart, java.lang.String fn)	Prints the receipt of a specified shopping cart to a specified file. This methods handles all exceptions internally, i.e.

heading all items in the shopping cart including name of the item price of the item pick up location or an info message if the pickup location is unknown the total price of the shopping cart a footer (thank you message)

Methods declared in class java.lang.Object

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

Constructor Detail

Main

```
public Main()
```

Method Detail

main

```
public static void main(java.lang.String[] args)
```

Demonstrates the principle use of the classes of the building centre.
In main you
1. create and display the receipt text for the shopping cart
2. print the receipt to file "BuildingCentreReceipt"
3. filter the shopping cart with search term "Brick"
4. sort the shoppingcart by name and display again

printReceipt

```
private static void printReceipt(java.util.List<BuildingCentreProductBase> shoppingCart,
java.lang.String fn)
```

fn - the name of the file to which the receipt is printed

Hint:

call receiptText

---

receiptText

```
private static java.lang.String receiptText
(java.util.List<BuildingCentreProductBase> shoppingCart)
```

Create the receipt text for a specified shoppingcart.
The text includes
- a heading
- all items in the shopping cart including
  - name of the item
  - price of the item
  - pick up location or an info message if the pickup location is unknown
- the total price of the shopping cart
- a footer (thank you message)

```
    Receipt of BrickLayers Paradise
    Hammer 21.98
    Shovel 117.5
    Bricklayer 1030.5
    Brick 112.5
            Please pick up at Gate 23
    Cement bag 862.5
            !!!! Can not be fetched right now. Please contact stuff for fetching date !
    --------------------------------
    TOTAL:  2144.98
    Thanks for shopping
```

Parameters:

shoppingCart - the shoppping cart for which the receipt text shall be created

Returns:

the text of the receipt

Hint:

use instanceof