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Class DessertItem

java.lang.Object
DessertItem

All Implemented Interfaces:

java.lang.Comparable

Direct Known Subclasses:

[Cookie](#), [Pastry](#)

```
public abstract class DessertItem
extends java.lang.Object
implements java.lang.Comparable
```

The DessertItem superclass contains general methods and capabilities to find characteristics of a dessert item. Also has ability to compare two DessertItem objects by implementing the comparable interface.

Since:

2019-02-20

Constructor Summary

Constructors

Constructor and Description

[DessertItem\(\)](#)

Default constructor initializes instance variables

Method Summary

[All Methods](#) [Static Methods](#) [Instance Methods](#) [Abstract Methods](#)

Concrete Methods

Modifier and Type

Method and Description

int

[compareTo](#)(java.lang.Object Dessert)

Compares DessertItem objects based on the highest cost

abstract double

[getCost](#)()

Abstract method that is overridden in subclasses to find cost of drink

boolean	getCouponApplied() Gets a boolean that notifies classes whether a coupon has been used
double	getCouponDiscount() Gets the price after a discount was applied from a coupon
java.lang.String	getDessertName() Gets the name of a dessert
int	getPrice() Gets the price of a dessert item
int	getQuantity() Gets the amount of a single dessert item purchased
static void	max(DessertItem dessert) Static max method sets a static variable max to the highest priced dessert
void	setCouponApplied(boolean couponUsed) Sets the boolean value that checks whether a coupon has been used
void	setCouponDiscount(double discountPrice) Sets the price to the new price after a discount was applied
void	setDessertName(java.lang.String dessertName) Sets the name of a dessert
void	setPrice(int price) Sets the price of a dessert item
void	setQuantity(int quantity) Sets the amount of dessert items purchased
java.lang.String	toString() Default toString

Methods inherited from class java.lang.Object

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

Constructor Detail

DessertItem

```
public DessertItem()
```

Default constructor initializes instance variables

Method Detail

getDessertName

```
public java.lang.String getDessertName()
```

Gets the name of a dessert

Returns:

- the name of a dessert

setDessertName

```
public void setDessertName(java.lang.String dessertName)
```

Sets the name of a dessert

Parameters:

dessertName - a string representing the name of a dessert

getCouponApplied

```
public boolean getCouponApplied()
```

Gets a boolean that notifies classes whether a coupon has been used

Returns:

- a boolean value representing if a coupon has been used

setCouponApplied

```
public void setCouponApplied(boolean couponUsed)
```

Sets the boolean value that checks whether a coupon has been used

Parameters:

couponUsed - a boolean value that represents whether a coupon has been used

getCouponDiscount

```
public double getCouponDiscount()
```

Gets the price after a discount was applied from a coupon

Returns:

- the cost after coupon has been applied

setCouponDiscount

```
public void setCouponDiscount(double discountPrice)
```

Sets the price to the new price after a discount was applied

Parameters:

discountPrice - - the price after discount was applied

getQuantity

```
public int getQuantity()
```

Gets the amount of a single dessert item purchased

Returns:

- an integer representing the quantity of a dessert item

setQuantity

```
public void setQuantity(int quantity)
```

Sets the amount of dessert items purchased

Parameters:

quantity - - the amount of a dessert item purchased

getPrice

```
public int getPrice()
```

Gets the price of a dessert item

Returns:

- an integer representing the price of a dessert item

setPrice

```
public void setPrice(int price)
```

Sets the price of a dessert item

Parameters:

price - - the price of a dessert item

toString

```
public java.lang.String toString()
```

Default toString

Overrides:

toString in class java.lang.Object

Returns:

- a string notifying the user that a specific dessert was not found or purchased

max

```
public static void max(DessertItem dessert)
```

Static max method sets a static variable max to the highest priced dessert

Parameters:

dessert - - a DessertItem object which represents a dessert of highest cost

compareTo

```
public int compareTo(java.lang.Object Dessert)
```

Compares DessertItem objects based on the highest cost

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

Dessert - - an Object that is a dessert that will be compared

Returns:

- an integer representing the outcome of a comparison

getCost

```
public abstract double getCost()
```

Abstract method that is overridden in subclasses to find cost of drink

Returns:

- will generate the cost of a dessert

