

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [USE TREE](#) [DEPRECATED](#) [INDEX](#) [HELP](#)[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)

dataBaseC

## Class Ingredient

`java.lang.Object`  
`dataBaseC.Ingredient`

```
public class Ingredient
extends java.lang.Object
```

Data structure to hold each ingredient's data. Used by Database C to keep track of inventory. Only have one object for each ingredient to keep memory usage low.

**Author:**

cms549

### Constructor Summary

#### Constructors

##### Constructor and Description

**Ingredient**(`java.lang.String` ingredientName, `java.lang.Double` amountLeft, `java.lang.String` unitOfAmount, `java.lang.Double` threshold)  
creates new ingredient

### Method Summary

#### All Methods    Instance Methods    Concrete Methods

Modifier and Type	Method and Description
<code>java.lang.Double</code>	<b>checkThreshold</b> () Gets the difference of the amount left in the inventory and the threshold
<code>java.lang.Double</code>	<b>decrementAmountBy</b> ( <code>java.lang.Double</code> amount) Decrements this ingredient amount by the amount specified

#### Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

## Constructor Detail

### Ingredient

```
public Ingredient(java.lang.String ingredientName,  
                  java.lang.Double amountLeft,  
                  java.lang.String unitOfAmount,  
                  java.lang.Double threshold)
```

creates new ingredient

**Parameters:**

ingredientName -

amountLeft -

unitOfAmount -

threshold -

## Method Detail

### checkThreshold

```
public java.lang.Double checkThreshold()
```

Gets the difference of the amount left in the inventory and the threshold

**Returns:**

the amount until this ingredient reaches its threshold, null on failure

### decrementAmountBy

```
public java.lang.Double decrementAmountBy(java.lang.Double amount)
```

Decrements this ingredient amount by the amount specified

**Parameters:**

amount - to decrement this ingredient by

**Returns:**

the amount left in the inventory on success, null on failure

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)  
[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)     [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)