

MoneyMoneyPerf

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Contents

1	Namespace Index	1
1.1	Packages	1
2	Hierarchical Index	3
2.1	Class Hierarchy	3
3	Class Index	5
3.1	Class List	5
4	File Index	7
4.1	File List	7
5	Namespace Documentation	9
5.1	Package es	9
5.2	Package es.deusto	9
5.3	Package es.deusto.testing	9
5.4	Package es.deusto.testing.junit	9
5.4.1	Detailed Description	9

6	Class Documentation	11
6.1	es.deusto.testing.junit.IMoney Interface Reference	11
6.1.1	Detailed Description	11
6.1.2	Member Function Documentation	12
6.1.2.1	add()	12
6.1.2.2	addMoney()	12
6.1.2.3	addMoneyBag()	12
6.1.2.4	appendTo()	13
6.1.2.5	isZero()	13
6.1.2.6	multiply()	13
6.1.2.7	negate()	14
6.1.2.8	subtract()	14
6.2	es.deusto.testing.junit.Money Class Reference	14
6.2.1	Detailed Description	15
6.2.2	Constructor & Destructor Documentation	15
6.2.2.1	Money()	16
6.2.3	Member Function Documentation	16
6.2.3.1	add()	17
6.2.3.2	addMoney()	17
6.2.3.3	addMoneyBag()	18
6.2.3.4	amount()	18
6.2.3.5	appendTo()	19
6.2.3.6	currency()	19
6.2.3.7	equals()	20
6.2.3.8	hashCode()	20
6.2.3.9	isZero()	21
6.2.3.10	multiply()	21
6.2.3.11	negate()	22
6.2.3.12	subtract()	22
6.2.3.13	toString()	23

6.3	es.deusto.testing.junit.MoneyBag Class Reference	24
6.3.1	Detailed Description	25
6.3.2	Member Function Documentation	25
6.3.2.1	add()	25
6.3.2.2	addMoney()	26
6.3.2.3	addMoneyBag()	26
6.3.2.4	appendTo()	27
6.3.2.5	create()	27
6.3.2.6	equals()	28
6.3.2.7	hashCode()	28
6.3.2.8	isZero()	28
6.3.2.9	multiply()	29
6.3.2.10	negate()	29
6.3.2.11	subtract()	29
6.3.2.12	toString()	29
7	File Documentation	31
7.1	src/main/java/es/deusto/testing/junit/IMoney.java File Reference	31
7.2	src/main/java/es/deusto/testing/junit/Money.java File Reference	31
7.2.1	Detailed Description	31
7.3	src/main/java/es/deusto/testing/junit/MoneyBag.java File Reference	32
	Index	33

Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

es	9
es.deusto	9
es.deusto.testing	9
es.deusto.testing.junit	
This is the brief documentation for the Java package es.deusto.testing.junit intended for testing Doxygen. May 12, 2014	9

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

es.deusto.testing.junit.IMoney	11
es.deusto.testing.junit.Money	14
es.deusto.testing.junit.MoneyBag	24

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

es.deusto.testing.junit.IMoney	11
es.deusto.testing.junit.Money	14
es.deusto.testing.junit.MoneyBag	24

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

src/main/java/es/deusto/testing/junit/ IMoney.java	31
src/main/java/es/deusto/testing/junit/ Money.java	31
src/main/java/es/deusto/testing/junit/ MoneyBag.java	32

Chapter 5

Namespace Documentation

5.1 Package es

Packages

- package [deusto](#)

5.2 Package es.deusto

Packages

- package [testing](#)

5.3 Package es.deusto.testing

Packages

- package [junit](#)

This is the brief documentation for the Java package [es.deusto.testing.junit](#) intended for testing Doxygen. May 12, 2014.

5.4 Package es.deusto.testing.junit

This is the brief documentation for the Java package [es.deusto.testing.junit](#) intended for testing Doxygen. May 12, 2014.

Classes

- interface [IMoney](#)
- class [Money](#)
- class [MoneyBag](#)

5.4.1 Detailed Description

This is the brief documentation for the Java package [es.deusto.testing.junit](#) intended for testing Doxygen. May 12, 2014.

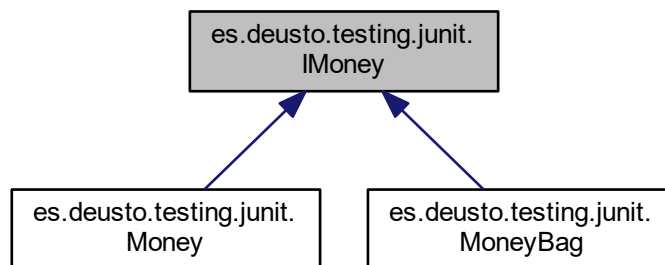
This is the detailed description of a package composed by classes [Money](#) and [MoneyBag](#) which inherit from [IMoney](#) and are tested in class MoneyPerfTest

Chapter 6

Class Documentation

6.1 es.deusto.testing.junit.IMoney Interface Reference

Inheritance diagram for es.deusto.testing.junit.IMoney:



Public Member Functions

- abstract `IMoney add (IMoney m)`
- abstract `IMoney addMoney (Money m)`
- abstract `IMoney addMoneyBag (MoneyBag s)`
- abstract boolean `isZero ()`
- abstract `IMoney multiply (int factor)`
- abstract `IMoney negate ()`
- abstract `IMoney subtract (IMoney m)`
- abstract void `appendTo (MoneyBag m)`

Brief test for `appendTo()` added May 12, 2014.

6.1.1 Detailed Description

Definition at line 3 of file `IMoney.java`.

6.1.2 Member Function Documentation

6.1.2.1 add()

```
abstract IMoney es.deusto.testing.junit.IMoney.add (
    IMoney m ) [abstract]
```

Adds a money to this money.

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

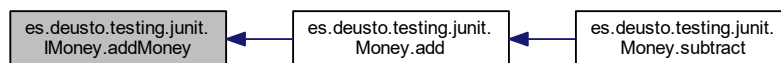
6.1.2.2 addMoney()

```
abstract IMoney es.deusto.testing.junit.IMoney.addMoney (
    Money m ) [abstract]
```

Adds a simple [Money](#) to this money. This is a helper method for implementing double dispatch

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

Here is the caller graph for this function:



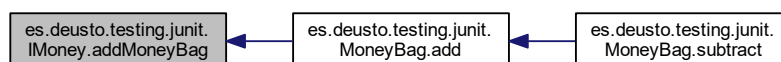
6.1.2.3 addMoneyBag()

```
abstract IMoney es.deusto.testing.junit.IMoney.addMoneyBag (
    MoneyBag s ) [abstract]
```

Adds a [MoneyBag](#) to this money. This is a helper method for implementing double dispatch

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

Here is the caller graph for this function:



6.1.2.4 appendTo()

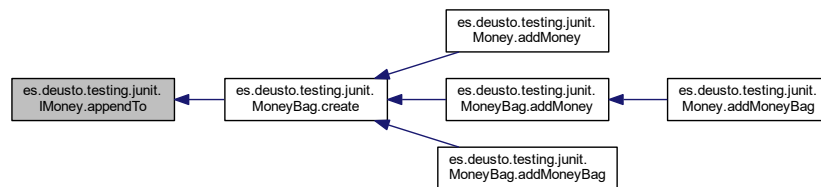
```
abstract void es.deusto.testing.junit.IMoney.appendTo (
    MoneyBag m ) [abstract]
```

Brief test for [appendTo\(\)](#) added May 12, 2014.

Append this to a [MoneyBag](#) m. [appendTo\(\)](#) needs to be public because it is used polymorphically, but it should not be used by clients because it modifies the argument m.

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

Here is the caller graph for this function:



6.1.2.5 isZero()

```
abstract boolean es.deusto.testing.junit.IMoney.isZero ( ) [abstract]
```

Tests whether this money is zero

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

6.1.2.6 multiply()

```
abstract IMoney es.deusto.testing.junit.IMoney.multiply (
    int factor ) [abstract]
```

Multiplies a money by the given factor.

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

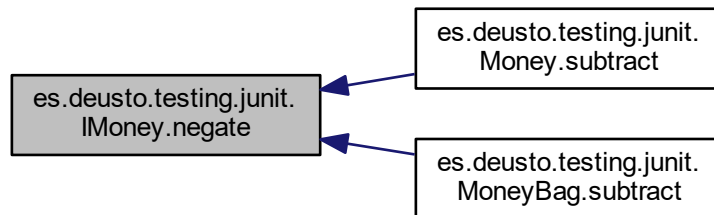
6.1.2.7 negate()

```
abstract IMoney es.deusto.testing.junit.IMoney.negate ( ) [abstract]
```

Negates this money.

Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

Here is the caller graph for this function:



6.1.2.8 subtract()

```
abstract IMoney es.deusto.testing.junit.IMoney.subtract (
    IMoney m ) [abstract]
```

Subtracts a money from this money.

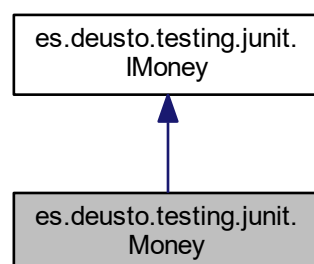
Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

The documentation for this interface was generated from the following file:

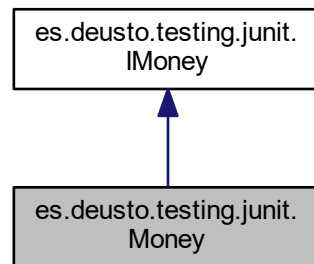
- [src/main/java/es/deusto/testing/junit/IMoney.java](#)

6.2 es.deusto.testing.junit.Money Class Reference

Inheritance diagram for `es.deusto.testing.junit.Money`:



Collaboration diagram for es.deusto.testing.junit.Money:



Public Member Functions

- [Money](#) (int [amount](#), String [currency](#))
- [IMoney add](#) ([IMoney](#) m)
- [IMoney addMoney](#) ([Money](#) m)
- [IMoney addMoneyBag](#) ([MoneyBag](#) s)
- int [amount](#) ()
- String [currency](#) ()
- boolean [equals](#) (Object anObject)
- int [hashCode](#) ()
- boolean [isZero](#) ()
- [IMoney multiply](#) (int factor)
- [IMoney negate](#) ()
- [IMoney subtract](#) ([IMoney](#) m)
- String [toString](#) ()
- void [appendTo](#) ([MoneyBag](#) m)

6.2.1 Detailed Description

A simple [Money](#) class.

Definition at line 12 of file Money.java.

6.2.2 Constructor & Destructor Documentation

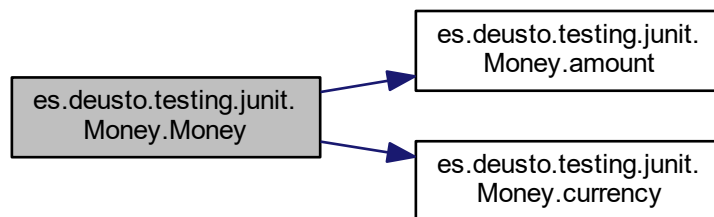
6.2.2.1 Money()

```
es.deusto.testing.junit.Money.Money (
    int amount,
    String currency )
```

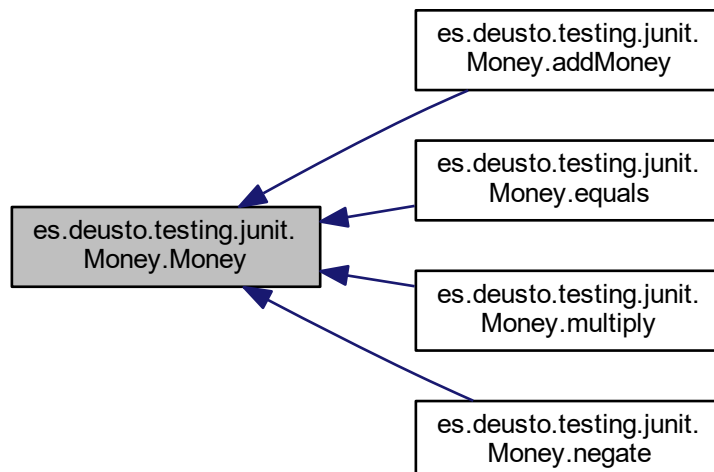
Constructs a money from the given amount and currency.

Definition at line 20 of file Money.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.2.3 Member Function Documentation

6.2.3.1 add()

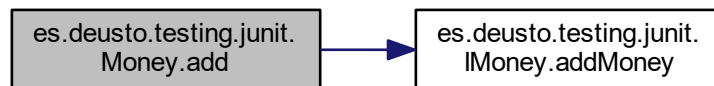
```
IMoney es.deusto.testing.junit.Money.add (  
    IMoney m )
```

Adds a money to this money. Forwards the request to the addMoney helper.

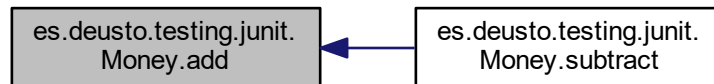
Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 27 of file Money.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.2.3.2 addMoney()

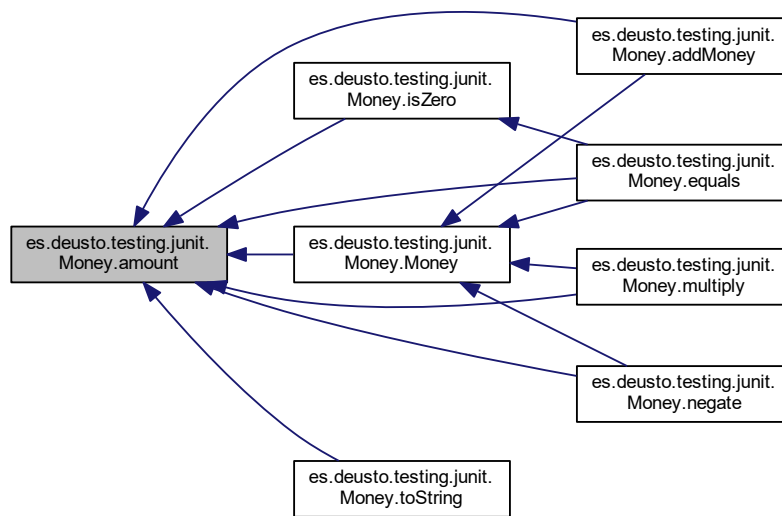
```
IMoney es.deusto.testing.junit.Money.addMoney (  
    Money m )
```

Adds a simple [Money](#) to this money. This is a helper method for implementing double dispatch

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 30 of file Money.java.

Here is the caller graph for this function:



6.2.3.5 `appendTo()`

```
void es.deusto.testing.junit.Money.appendTo (
    MoneyBag m )
```

This makes no sense May 12, 2014

Implements [es.deusto.testing.junit.IMoney](#).

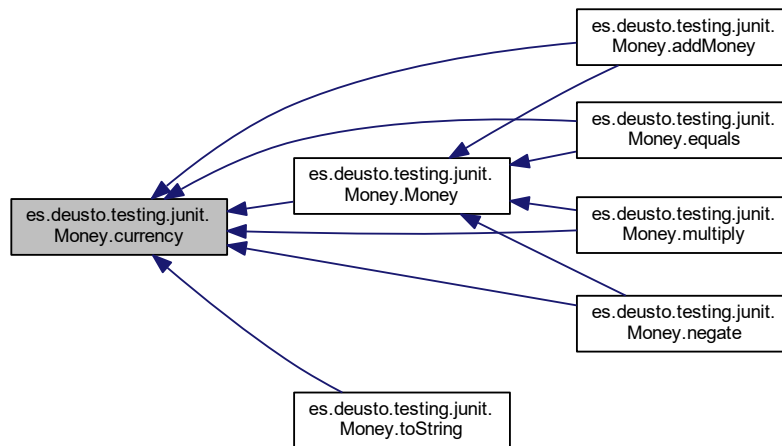
Definition at line 80 of file `Money.java`.

6.2.3.6 `currency()`

```
String es.deusto.testing.junit.Money.currency ( )
```

Definition at line 41 of file `Money.java`.

Here is the caller graph for this function:

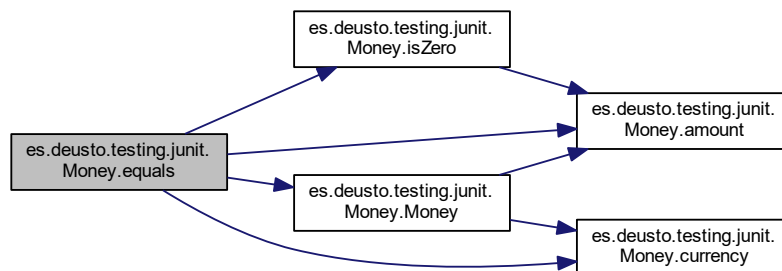


6.2.3.7 equals()

```
boolean es.deusto.testing.junit.Money.equals (
    Object anObject )
```

Definition at line 45 of file Money.java.

Here is the call graph for this function:



6.2.3.8 hashCode()

```
int es.deusto.testing.junit.Money.hashCode ( )
```

Definition at line 57 of file Money.java.

6.2.3.9 isZero()

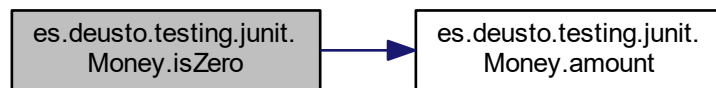
```
boolean es.deusto.testing.junit.Money.isZero ( )
```

Tests whether this money is zero

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 62 of file Money.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.2.3.10 multiply()

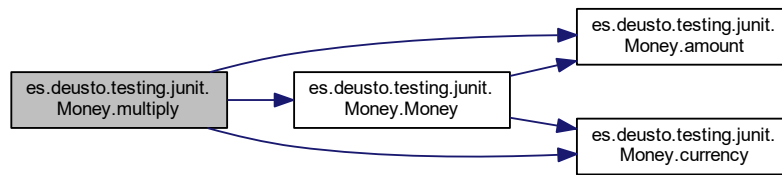
```
IMoney es.deusto.testing.junit.Money.multiply (
    int factor )
```

Multiplies a money by the given factor.

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 65 of file Money.java.

Here is the call graph for this function:



6.2.3.11 negate()

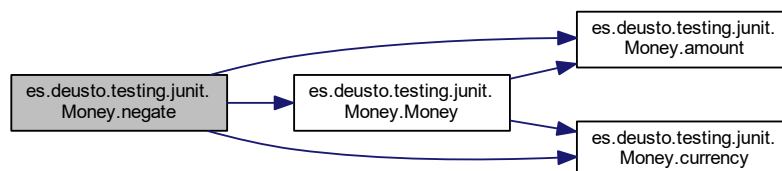
```
IMoney es.deusto.testing.junit.Money.negate ( )
```

Negates this money.

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 68 of file Money.java.

Here is the call graph for this function:



6.2.3.12 subtract()

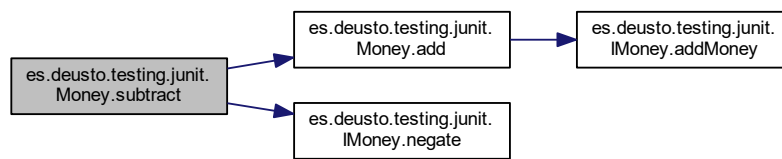
```
IMoney es.deusto.testing.junit.Money.subtract (
    IMoney m )
```

Subtracts a money from this money.

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 71 of file Money.java.

Here is the call graph for this function:

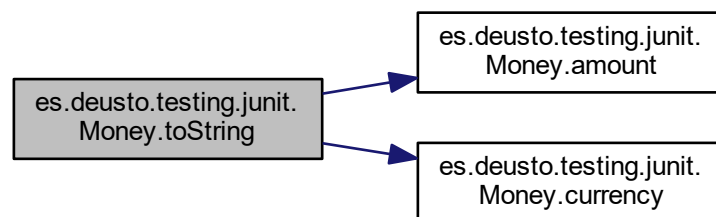


6.2.3.13 toString()

```
String es.deusto.testing.junit.Money.toString ( )
```

Definition at line 75 of file Money.java.

Here is the call graph for this function:

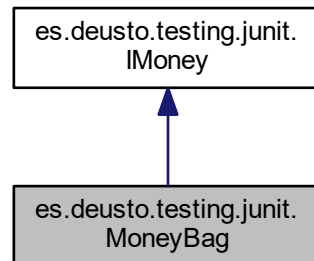


The documentation for this class was generated from the following file:

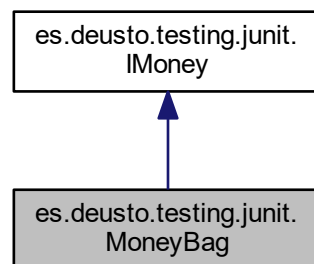
- [src/main/java/es/deusto/testing/junit/Money.java](#)

6.3 es.deusto.testing.junit.MoneyBag Class Reference

Inheritance diagram for es.deusto.testing.junit.MoneyBag:



Collaboration diagram for es.deusto.testing.junit.MoneyBag:



Public Member Functions

- `IMoney add (IMoney m)`
- `IMoney addMoney (Money m)`
- `IMoney addMoneyBag (MoneyBag s)`
- `boolean equals (Object anObject)`
- `int hashCode ()`
- `boolean isZero ()`
- `IMoney multiply (int factor)`
- `IMoney negate ()`
- `IMoney subtract (IMoney m)`
- `String toString ()`
- `void appendTo (MoneyBag m)`

Brief test for `appendTo()` added May 12, 2014.

Static Public Member Functions

- static [IMoney create](#) ([IMoney](#) m1, [IMoney](#) m2)

6.3.1 Detailed Description

A [MoneyBag](#) defers exchange rate conversions. For example adding 12 Swiss Francs to 14 US Dollars is represented as a bag containing the two [Money](#) objects associated to 12 CHF and 14 USD. Adding another 10 Swiss francs gives a [MoneyBag](#) with 22 CHF and 14 USD. Due to the deferred exchange rate conversion we can later value a [MoneyBag](#) with different exchange rates.

A [MoneyBag](#) is represented as a list of [Money](#) objects and provides different constructors to create a [MoneyBag](#).

Definition at line 23 of file MoneyBag.java.

6.3.2 Member Function Documentation

6.3.2.1 add()

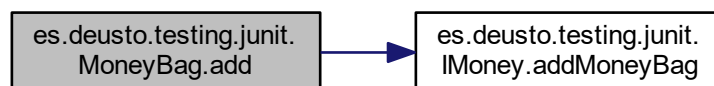
```
IMoney es.deusto.testing.junit.MoneyBag.add (  
    IMoney m )
```

Adds a money to this money.

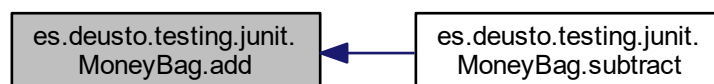
Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 32 of file MoneyBag.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.3.2.2 addMoney()

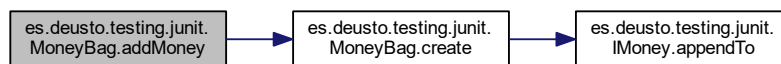
```
IMoney es.deusto.testing.junit.MoneyBag.addMoney (
    Money m )
```

Adds a simple [Money](#) to this money. This is a helper method for implementing double dispatch

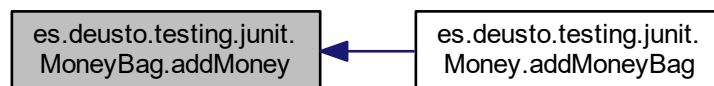
Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 35 of file MoneyBag.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.3.2.3 addMoneyBag()

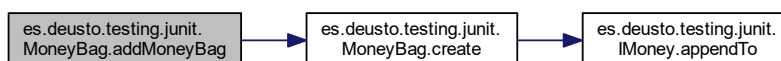
```
IMoney es.deusto.testing.junit.MoneyBag.addMoneyBag (
    MoneyBag s )
```

Adds a [MoneyBag](#) to this money. This is a helper method for implementing double dispatch

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 38 of file MoneyBag.java.

Here is the call graph for this function:



6.3.2.4 appendTo()

```
void es.deusto.testing.junit.MoneyBag.appendTo (
    MoneyBag m )
```

Brief test for [appendTo\(\)](#) added May 12, 2014.

Append this to a [MoneyBag](#) m. [appendTo\(\)](#) needs to be public because it is used polymorphically, but it should not be used by clients because it modifies the argument m.

Implements [es.deusto.testing.junit.IMoney](#).

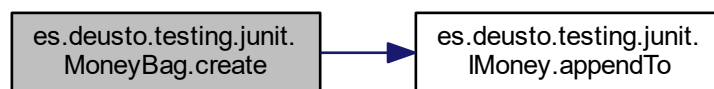
Definition at line 127 of file MoneyBag.java.

6.3.2.5 create()

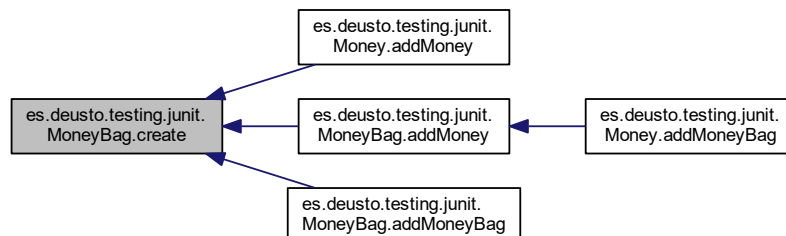
```
static IMoney es.deusto.testing.junit.MoneyBag.create (
    IMoney m1,
    IMoney m2 ) [static]
```

Definition at line 26 of file MoneyBag.java.

Here is the call graph for this function:



Here is the caller graph for this function:

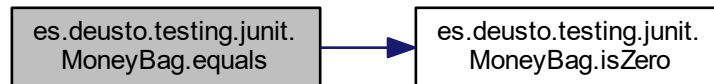


6.3.2.6 equals()

```
boolean es.deusto.testing.junit.MoneyBag.equals (
    Object anObject )
```

Definition at line 59 of file MoneyBag.java.

Here is the call graph for this function:



6.3.2.7 hashCode()

```
int es.deusto.testing.junit.MoneyBag.hashCode ( )
```

Definition at line 88 of file MoneyBag.java.

6.3.2.8 isZero()

```
boolean es.deusto.testing.junit.MoneyBag.isZero ( )
```

Tests whether this money is zero

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 94 of file MoneyBag.java.

Here is the caller graph for this function:



6.3.2.9 multiply()

```
IMoney es.deusto.testing.junit.MoneyBag.multiply (
    int factor )
```

Multiplies a money by the given factor.

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 97 of file MoneyBag.java.

6.3.2.10 negate()

```
IMoney es.deusto.testing.junit.MoneyBag.negate ( )
```

Negates this money.

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 104 of file MoneyBag.java.

6.3.2.11 subtract()

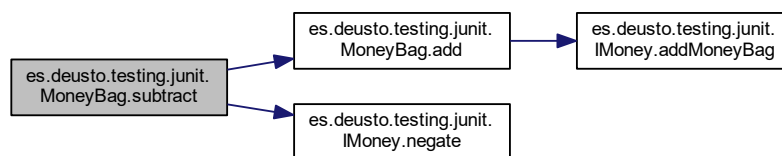
```
IMoney es.deusto.testing.junit.MoneyBag.subtract (
    IMoney m )
```

Subtracts a money from this money.

Implements [es.deusto.testing.junit.IMoney](#).

Definition at line 115 of file MoneyBag.java.

Here is the call graph for this function:



6.3.2.12 toString()

```
String es.deusto.testing.junit.MoneyBag.toString ( )
```

Definition at line 119 of file MoneyBag.java.

The documentation for this class was generated from the following file:

- `src/main/java/es/deusto/testing/junit/MoneyBag.java`

Chapter 7

File Documentation

7.1 src/main/java/es/deusto/testing/junit/IMoney.java File Reference

Classes

- interface [es.deusto.testing.junit.IMoney](#)

Packages

- package [es.deusto.testing.junit](#)

This is the brief documentation for the Java package [es.deusto.testing.junit](#) intended for testing Doxygen. May 12, 2014.

7.2 src/main/java/es/deusto/testing/junit/Money.java File Reference

Classes

- class [es.deusto.testing.junit.Money](#)

Packages

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7.2.1 Detailed Description

A brief file description testing [Money.java](#) for file command. May 12, 2014 A more elaborated file description should come here.

7.3 src/main/java/es/deusto/testing/junit/MoneyBag.java File Reference

Classes

- class [es.deusto.testing.junit.MoneyBag](#)

Packages

- package [es.deusto.testing.junit](#)

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Index

- add
 - es::deusto::testing::junit::IMoney, 12
 - es::deusto::testing::junit::Money, 16
 - es::deusto::testing::junit::MoneyBag, 25
- addMoney
 - es::deusto::testing::junit::IMoney, 12
 - es::deusto::testing::junit::Money, 17
 - es::deusto::testing::junit::MoneyBag, 25
- addMoneyBag
 - es::deusto::testing::junit::IMoney, 12
 - es::deusto::testing::junit::Money, 18
 - es::deusto::testing::junit::MoneyBag, 26
- amount
 - es::deusto::testing::junit::Money, 18
- appendTo
 - es::deusto::testing::junit::IMoney, 12
 - es::deusto::testing::junit::Money, 19
 - es::deusto::testing::junit::MoneyBag, 26
- create
 - es::deusto::testing::junit::MoneyBag, 27
- currency
 - es::deusto::testing::junit::Money, 19
- equals
 - es::deusto::testing::junit::Money, 20
 - es::deusto::testing::junit::MoneyBag, 27
- es, 9
- es.deusto, 9
- es.deusto.testing, 9
- es.deusto.testing.junit, 9
- es.deusto.testing.junit.IMoney, 11
- es.deusto.testing.junit.Money, 14
- es.deusto.testing.junit.MoneyBag, 24
- es::deusto::testing::junit::IMoney
 - add, 12
 - addMoney, 12
 - addMoneyBag, 12
 - appendTo, 12
 - isZero, 13
 - multiply, 13
 - negate, 13
 - subtract, 14
- es::deusto::testing::junit::Money
 - add, 16
 - addMoney, 17
 - addMoneyBag, 18
 - amount, 18
 - appendTo, 19
 - currency, 19
 - equals, 20
 - hashCode, 20
 - isZero, 20
 - Money, 15
 - multiply, 21
 - negate, 22
 - subtract, 22
 - toString, 23
- es::deusto::testing::junit::MoneyBag
 - add, 25
 - addMoney, 25
 - addMoneyBag, 26
 - appendTo, 26
 - create, 27
 - equals, 27
 - hashCode, 28
 - isZero, 28
 - multiply, 28
 - negate, 29
 - subtract, 29
 - toString, 29
- hashCode
 - es::deusto::testing::junit::Money, 20
 - es::deusto::testing::junit::MoneyBag, 28
- isZero
 - es::deusto::testing::junit::IMoney, 13
 - es::deusto::testing::junit::Money, 20
 - es::deusto::testing::junit::MoneyBag, 28
- Money
 - es::deusto::testing::junit::Money, 15
- multiply
 - es::deusto::testing::junit::IMoney, 13
 - es::deusto::testing::junit::Money, 21
 - es::deusto::testing::junit::MoneyBag, 28
- negate
 - es::deusto::testing::junit::IMoney, 13
 - es::deusto::testing::junit::Money, 22
 - es::deusto::testing::junit::MoneyBag, 29
- src/main/java/es/deusto/testing/junit/IMoney.java, 31
- src/main/java/es/deusto/testing/junit/Money.java, 31
- src/main/java/es/deusto/testing/junit/MoneyBag.java, 32
- subtract
 - es::deusto::testing::junit::IMoney, 14
 - es::deusto::testing::junit::Money, 22
 - es::deusto::testing::junit::MoneyBag, 29

toString

es::deusto::testing::junit::Money, [23](#)

es::deusto::testing::junit::MoneyBag, [29](#)