

MoneyMoneyPerf

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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	15
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	15
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.

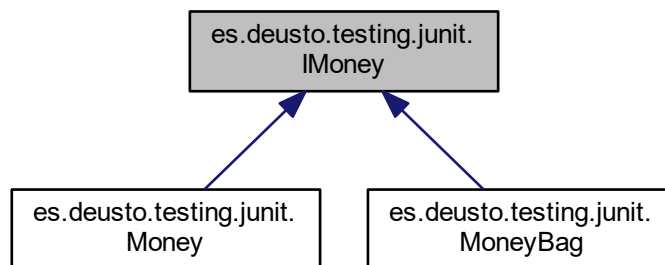
This is the detailed description of a package composed by classes [Money](#) and [MoneyBag](#) which inherit from [IMoney](#) and are tested in class MoneyPerfTest

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](#).

Here is the caller graph for this function:



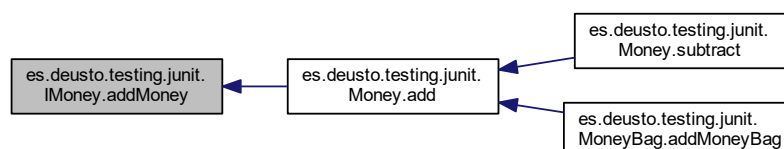
6.1.2.2 addMoney()

```
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:



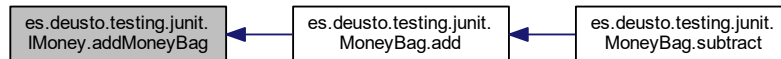
6.1.2.3 addMoneyBag()

```
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()

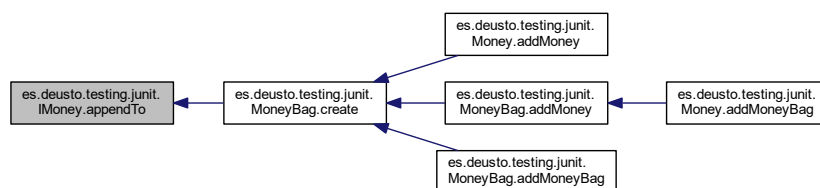
```
abstract void es.deusto.testing.junit.IMoney.appendTo (
    MoneyBag m ) [abstract]
```

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](#).

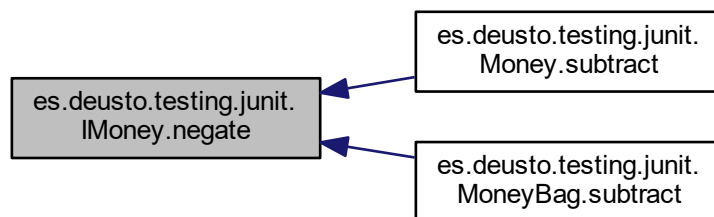
6.1.2.7 negate()

```
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.

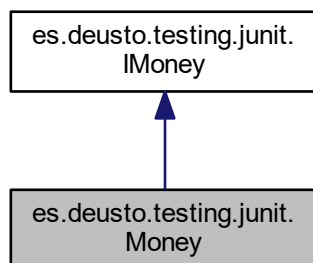
Implemented in [es.deusto.testing.junit.MoneyBag](#), and [es.deusto.testing.junit.Money](#).

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

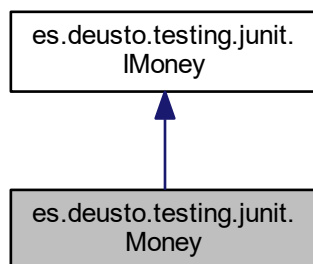
- [src/main/java/es/deusto/testing/junit/IMoney.java](#)

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

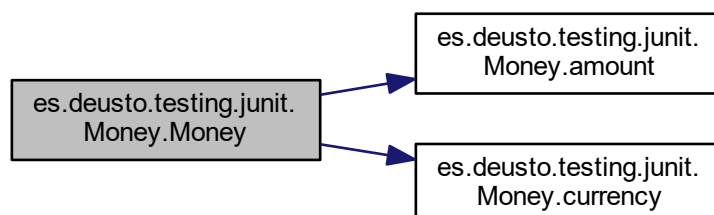
6.2.2.1 Money()

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

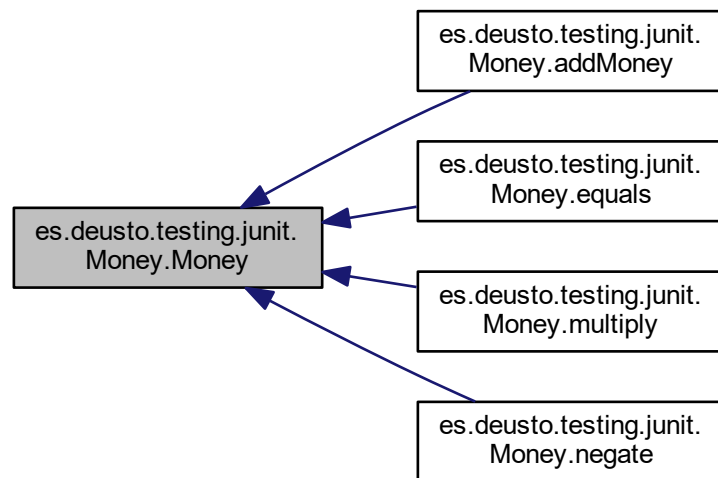
Constructs a money from the given amount and currency.

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()

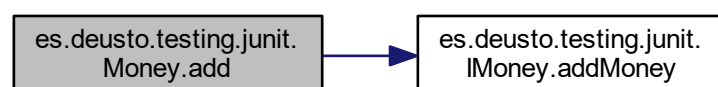
```
IMoney es.deusto.testing.junit.Money.add (  
    IMoney m )
```

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

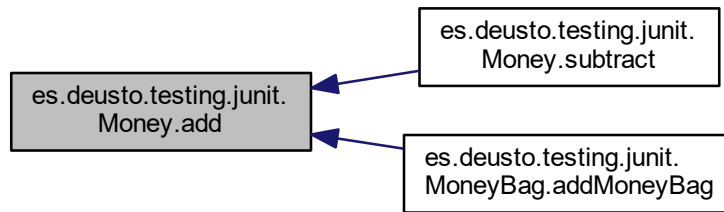
Implements [es.deusto.testing.junit.IMoney](#).

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()

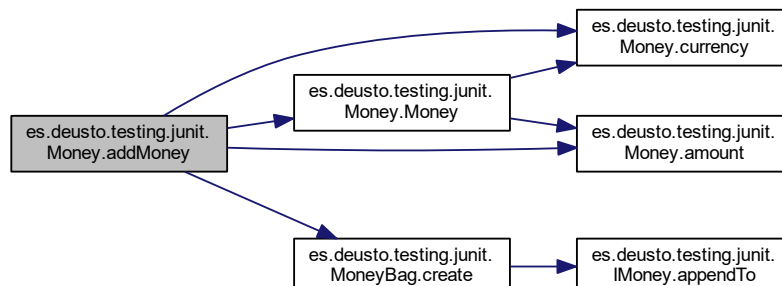
```
IMoney es.deusto.testing.junit.Money.addMoney (  
    Money m )
```

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 call graph for this function:



6.2.3.3 addMoneyBag()

```
IMoney es.deusto.testing.junit.Money.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 35 of file Money.java.

Here is the call graph for this function:

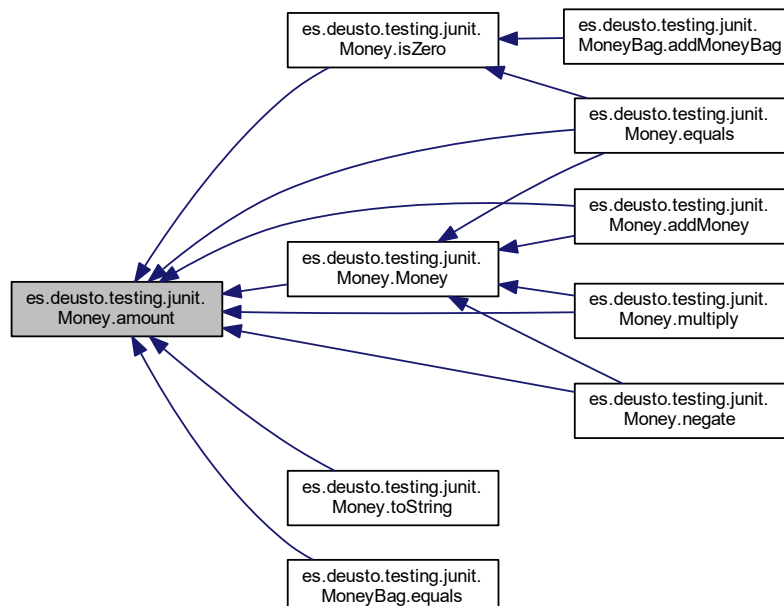


6.2.3.4 amount()

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

Definition at line 38 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](#).

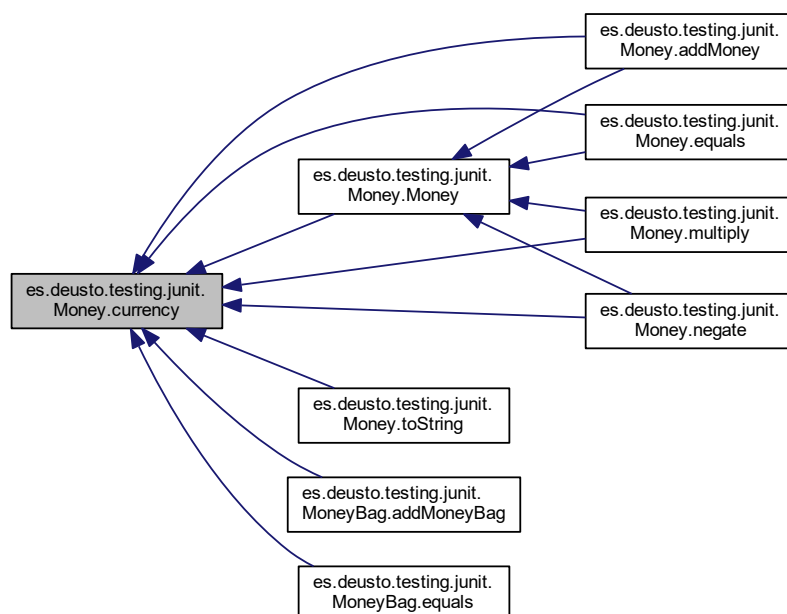
Definition at line 80 of file Money.java.

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:

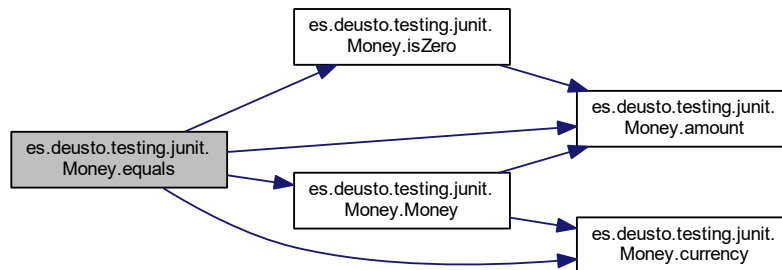


6.2.3.7 equals()

```
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()

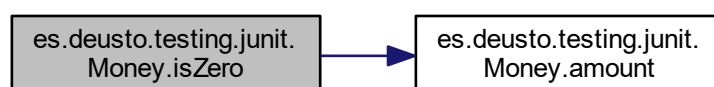
```
boolean es.deusto.testing.junit.Money.isZero ( )
```

Tests whether this money is zero

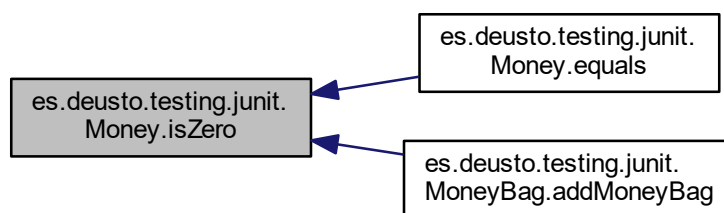
Implements [es.deusto.testing.junit.IMoney](#).

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()

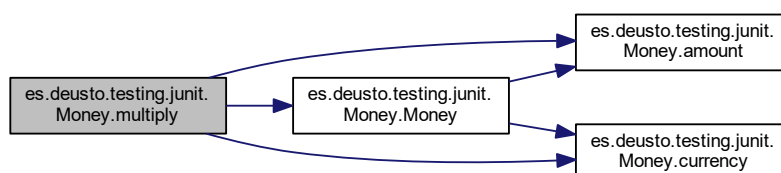
```
IMoney es.deusto.testing.junit.Money.multiply (  
    int factor )
```

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()

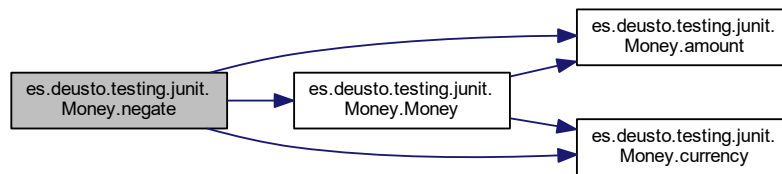
```
IMoney es.deusto.testing.junit.Money.negate ( )
```

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()

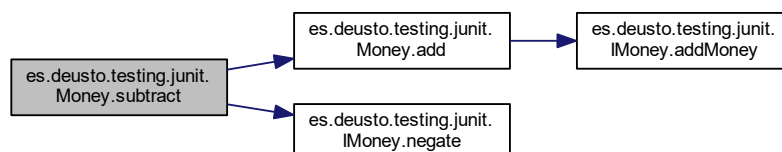
```
IMoney es.deusto.testing.junit.Money.subtract (
    IMoney m )
```

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:

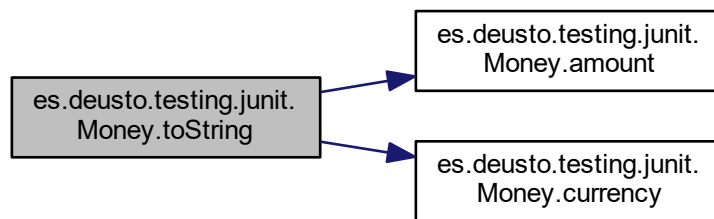


6.2.3.13 toString()

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

Definition at line 75 of file Money.java.

Here is the call graph for this function:

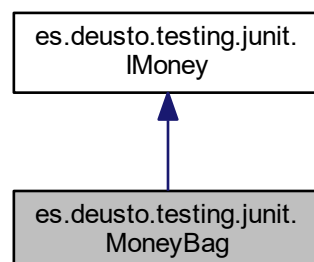


The documentation for this class was generated from the following file:

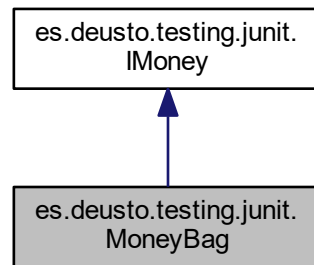
- [src/main/java/es/deusto/testing/junit/Money.java](#)

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()

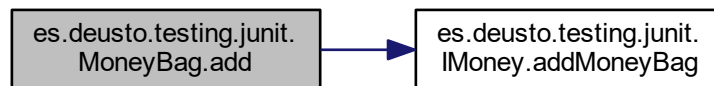
```
IMoney es.deusto.testing.junit.MoneyBag.add (
    IMoney m )
```

Adds a money to this money.

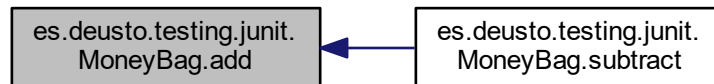
Implements [es.deusto.testing.junit.IMoney](#).

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()

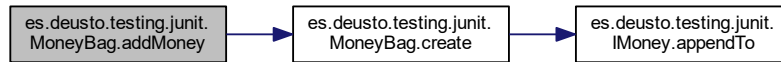
```
IMoney es.deusto.testing.junit.MoneyBag.addMoney (
    Money m )
```

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

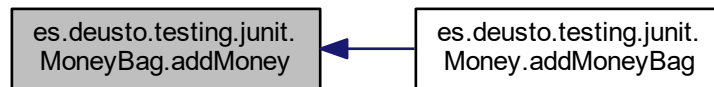
Implements [es.deusto.testing.junit.IMoney](#).

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()

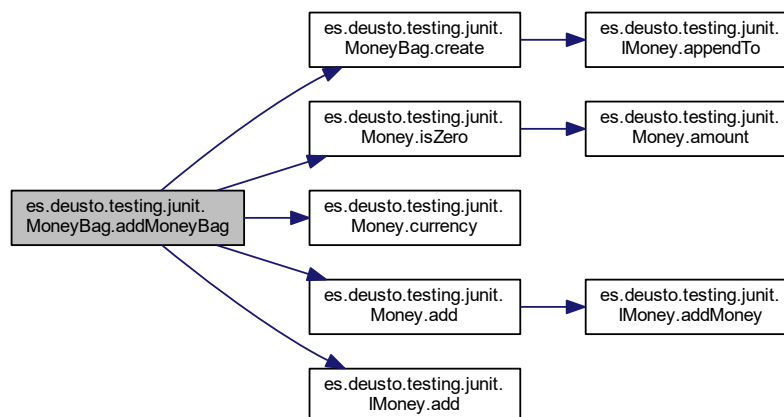
```
IMoney es.deusto.testing.junit.MoneyBag.addMoneyBag (
    MoneyBag s )
```

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`.

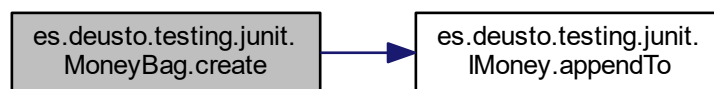
Definition at line 127 of file `MoneyBag.java`.

6.3.2.5 `create()`

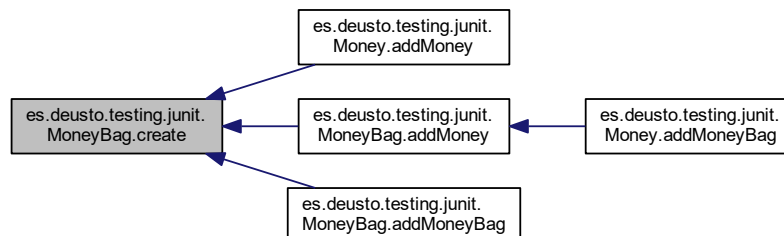
```
static IMoney es.deusto.testing.junit.MoneyBag.create (
    IMoney m1,
    IMoney m2 ) [static]
```

Definition at line 26 of file `MoneyBag.java`.

Here is the call graph for this function:



Here is the caller graph for this function:

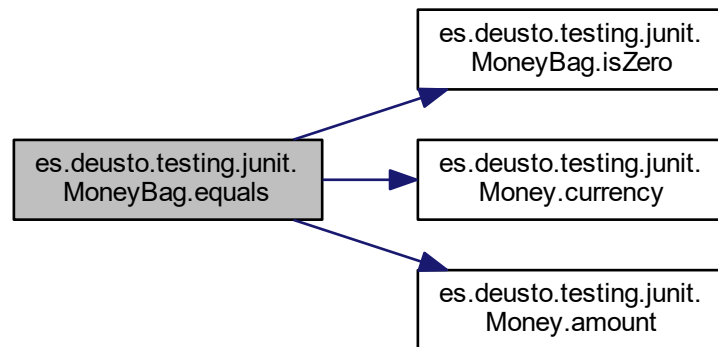


6.3.2.6 equals()

```
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()

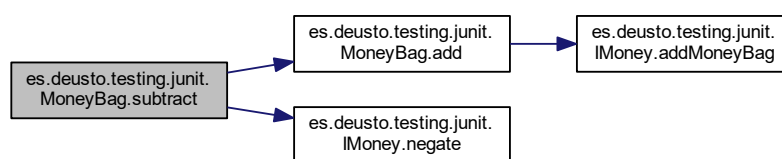
```
IMoney es.deusto.testing.junit.MoneyBag.subtract (
    IMoney m )
```

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

- 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.

7.2.1 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](#)

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

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