

WindowsFormsApplication 2010

Package in package 'Model'

WindowsFormsApplication 2010

Version 1.0 Phase 1.0 Proposed

smeagher created on 01.06.2017. Last modified 01.06.2017

WindowsFormsApplication diagram

Class diagram in package 'WindowsFormsApplication 2010'

WindowsFormsApplication

Version 1.0

smeagher created on 01.06.2017. Last modified 04.06.2017

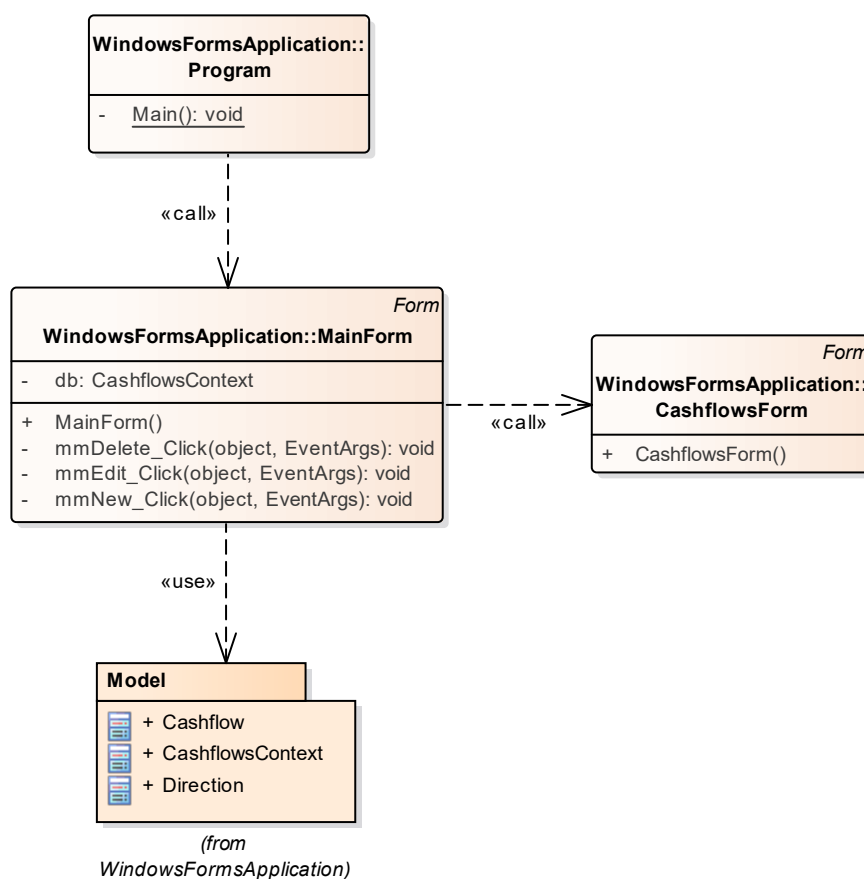


Figure 1: WindowsFormsApplication

CashflowsForm

Class in package 'WindowsFormsApplication'

CashflowsForm


Version 1.0 Phase 1.0 Proposed

User created on 04.06.2017. Last modified 04.06.2017

Extends Form

CONNECTORS

CONNECTORS

 **Dependency** «call» Source -> Destination
From: MainForm : Class, Public
To: CashflowsForm : Class, Public

OPERATIONS


 CashflowsForm () : Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


MainForm


Class in package 'WindowsFormsApplication'

MainForm
Version 1.0 Phase 1.0 Proposed
User created on 04.06.2017. Last modified 04.06.2017
Extends Form

CONNECTORS

 **Dependency** «call» Source -> Destination
From: MainForm : Class, Public
To: CashflowsForm : Class, Public


 **Dependency** «use» Source -> Destination
From: MainForm : Class, Public
To: Model : Package, Public

 **Dependency** «call» Source -> Destination
From: Program : Class, Public
To: MainForm : Class, Public

ATTRIBUTES

 db : CashflowsContext Private
[Is static False. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Source -> Destination)
Source: Public (Class) MainForm Target: Private db (Class) CashflowsContext

OPERATIONS

 MainForm () : Public
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS

◆ mmDelete_Click (sender : object , e : EventArgs) : void Private
 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ mmEdit_Click (sender : object , e : EventArgs) : void Private
 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ mmNew_Click (sender : object , e : EventArgs) : void Private
 [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Program


Class in package 'WindowsFormsApplication'

Program

Version 1.0 Phase 1.0 Proposed

User created on 04.06.2017. Last modified 04.06.2017

CONNECTORS

 **Dependency** «call» Source -> Destination
 From: Program : Class, Public
 To: MainForm : Class, Public

OPERATIONS

◆ Main () : void Private

The main entry point for the application.

Properties:

Attribute = [STAThread]

[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Model


Package in package 'WindowsFormsApplication'

Model

Version 1.0 Phase 1.0 Proposed

User created on 04.06.2017. Last modified 04.06.2017

CONNECTORS

 **Dependency** «use» Source -> Destination
 From: MainForm : Class, Public
 To: Model : Package, Public

WindowsFormsApplication

Package in package 'WindowsFormsApplication 2010'

WindowsFormsApplication
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Model

Package in package 'WindowsFormsApplication'

Model
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LINKS TO OTHER PACKAGES	
 Dependency from 'MainForm' Class to 'Model' Package	Direction: Source -> Destination

Model diagram

Class diagram in package 'Model'

Model
Version 1.0
User created on 04.06.2017. Last modified 04.06.2017

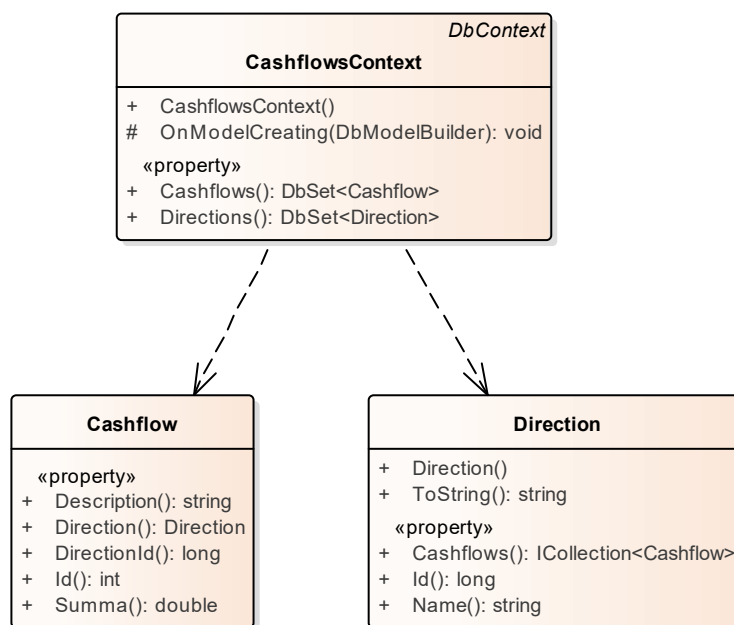



Figure 2: Model

Cashflow

Class in package 'Model'

Cashflow
Version 1.0 Phase 1.0 Proposed
User created on 04.06.2017. Last modified 04.06.2017

CONNECTORS

 **Dependency** Source -> Destination
From: CashflowsContext : Class, Public
To: Cashflow : Class, Public

OPERATIONS

-  **Description () : string Public**

Properties:
Attribute = [Required];[StringLength(25)]
[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
-  **Direction () : Direction Public**

Properties:
virtual = true
[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
-  **DirectionId () : long Public**

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
-  **Id () : int Public**

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
-  **Summa () : double Public**


[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

CashflowsContext


Class in package 'Model'

CashflowsContext
Version 1.0 Phase 1.0 Proposed
User created on 04.06.2017. Last modified 04.06.2017
Extends DbContext

CONNECTORS

 **Dependency** Source -> Destination
From: CashflowsContext : Class, Public
To: Cashflow : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: CashflowsContext : Class, Public
 To: Direction : Class, Public

ASSOCIATIONS

 **Association** (direction: Source -> Destination)

Source: Public (Class) MainForm

Target: Private db (Class) CashflowsContext

OPERATIONS

 **Cashflows () : DbSet<Cashflow> Public**

Properties:

virtual = true

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 **CashflowsContext () : Public**

Properties:

initializer = base("name=CashflowsContext")


[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 **Directions () : DbSet<Direction> Public**

Properties:

virtual = true

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 **OnModelCreating (modelBuilder : DbModelBuilder) : void Protected**

Properties:

override = true


[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Direction

Class in package 'Model'

Direction
 Version 1.0 Phase 1.0 Proposed
 User created on 04.06.2017. Last modified 04.06.2017

CONNECTORS

 **Dependency** Source -> Destination
 From: CashflowsContext : Class, Public
 To: Direction : Class, Public

OPERATIONS

◆ Cashflows () : ICollection<Cashflow> Public

Properties:

Attribute = [System.Diagnostics.CodeAnalysis.SuppressMessage("Microsoft.Usage",
"CA2227:CollectionPropertiesShouldBeReadOnly")]

virtual = true

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Direction () : Public

Properties:

Attribute = [System.Diagnostics.CodeAnalysis.SuppressMessage("Microsoft.Usage",
"CA2214:DoNotCallOverridableMethodsInConstructors")]

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Id () : long Public

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Name () : string Public

Properties:

Attribute = [Required];[StringLength(10)]

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ ToString () : string Public

Properties:

override = true

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CashflowsForm

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CashflowsForm

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Extends Form

CONNECTORS

➤ **Dependency** «call» Source -> Destination

From: MainForm : Class, Public

To: CashflowsForm : Class, Public

OPERATIONS

◆ CashflowsForm () : Public


[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]


MainForm


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Extends Form

CONNECTORS

 **Dependency** «call» Source -> Destination
From: MainForm : Class, Public
To: CashflowsForm : Class, Public

 **Dependency** «use» Source -> Destination
From: MainForm : Class, Public
To: Model : Package, Public

 **Dependency** «call» Source -> Destination
From: Program : Class, Public
To: MainForm : Class, Public

ATTRIBUTES

 db : CashflowsContext Private

[Is static False. Containment is Not Specified.]


ASSOCIATIONS

 Association (direction: Source -> Destination)


Source: Public (Class) MainForm

Target: Private db (Class) CashflowsContext


OPERATIONS

 MainForm () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

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 mmEdit_Click (sender : object , e : EventArgs) : void Private

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

 mmNew_Click (sender : object , e : EventArgs) : void Private

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Program


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Program


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CONNECTORS

 **Dependency** «call» Source -> Destination
From: Program : Class, Public
To: MainForm : Class, Public

OPERATIONS

 **Main ()** : void Private

The main entry point for the application.

Properties:

Attribute = [STAThread]

[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]