

1 Balances

Package in package 'Model'

Balances
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021
Alias

1.1 Balances diagram

Class diagram in package 'Balances'

Balances
Version 1.0
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

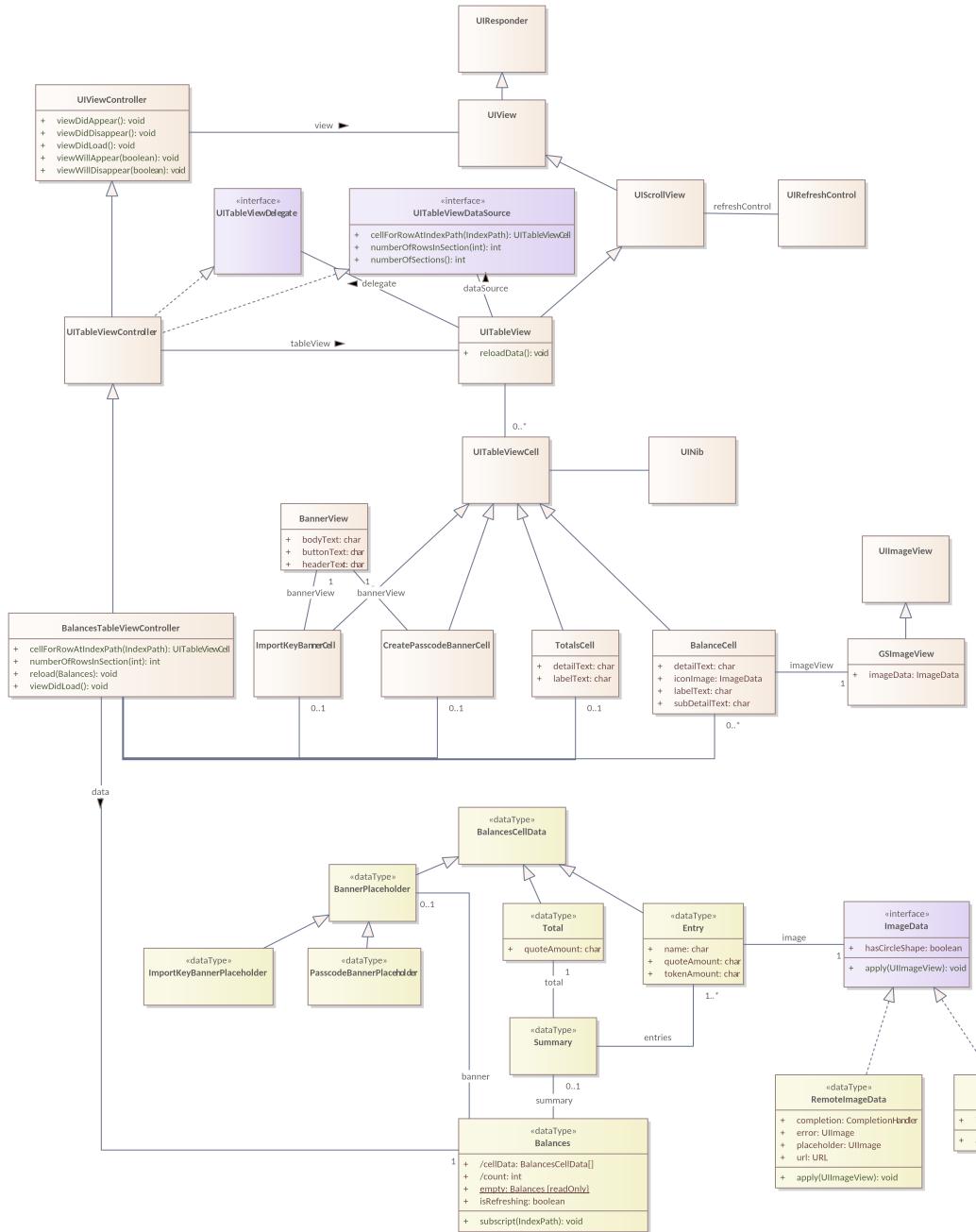


Figure 1: Balances

1.2 BalanceCell

Class in package 'Balances'

The cell to show a balance entry

BalanceCell

Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from BalanceCell to UITableViewCell	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ detailText : char Public	[Is static True. Containment is Not Specified.]
◆ iconImage : ImageData Public	[Is static True. Containment is Not Specified.]
◆ labelText : char Public	[Is static True. Containment is Not Specified.]
◆ subDetailText : char Public	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
↙ Association (direction: Unspecified) imageView	
Source: Public (Class) BalanceCell	Target: Public (Class) GSImageView Cardinality: [1]
↙ Association (direction: Unspecified)	
Source: Public (Class) BalancesTableViewCellController	Target: Public (Class) BalanceCell Cardinality: [0..*]

1.3 BalancesTableViewCellController

Class in package 'Balances'

Table view controller that renders the balances cell data.

BalancesTableViewCellController
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from BalancesTableViewCellController to UITableViewController	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↙ Association (direction: Unspecified)	

ASSOCIATIONS	
Source: Public (Class) BalancesTableViewController	Target: Public (Class) ImportKeyBannerCell Cardinality: [0..1]
✓ Association (direction: Unspecified)	
Source: Public (Class) BalancesTableViewController	Target: Public (Class) TotalsCell Cardinality: [0..1]
✓ Association (direction: Unspecified)	
Source: Public (Class) BalancesTableViewController	Target: Public (Class) CreatePasscodeBannerCell Cardinality: [0..1]
✓ Association (direction: Unspecified) data	
Source: Public (Class) BalancesTableViewController	Target: Public (DataType) Balances Cardinality: [1]
✓ Association (direction: Unspecified)	
Source: Public (Class) BalancesTableViewController	Target: Public (Class) BalanceCell Cardinality: [0..*]

OPERATIONS	
◆ cellForRowAtIndexPath (indexPath : IndexPath) : UITableViewCell Public	
Properties:	
Implements = UITableViewDataSource.cellForRowAtIndexPath	
ImplementsGuid = {08933602-060A-44cf-B6D2-8D50D6FB40BA}	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ numberOfRowsInSection (section : int) : int Public	
Properties:	
Implements = UITableViewDataSource.numberOfRowsInSection	
ImplementsGuid = {7D2A4A51-25A5-4108-9EED-98F761151A0B}	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ reload (newData : Balances) : void Public	
Updates the UI with the new data.	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ viewDidLoad () : void Public	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

1.4 BannerView

Class in package 'Balances'

Reusable view implementing the banner with header, body, and button texts customizable. Banner can be closed by pressing a close button.

BannerView
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

ATTRIBUTES	
◆ bodyText : char	Public [Is static True. Containment is Not Specified.]
◆ buttonText : char	Public [Is static True. Containment is Not Specified.]
◆ headerText : char	Public [Is static True. Containment is Not Specified.]

ASSOCIATIONS	
↙ Association (direction: Unspecified) bannerView	Source: Public (Class) ImportKeyBannerCell Target: Public (Class) BannerView Cardinality: [1]
↙ Association (direction: Unspecified) bannerView	Source: Public (Class) CreatePasscodeBannerCell Target: Public (Class) BannerView Cardinality: [1]

1.5 CreatePasscodeBannerCell

Class in package 'Balances'

The cell to show passcode banner

CreatePasscodeBannerCell
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from CreatePasscodeBannerCell to UITableViewCell	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↙ Association (direction: Unspecified) bannerView	Source: Public (Class) CreatePasscodeBannerCell Target: Public (Class) BannerView Cardinality: [1]

ASSOCIATIONS
Association (direction: Unspecified)
Source: Public (Class) BalancesTableViewController
Target: Public (Class) CreatePasscodeBannerCell Cardinality: [0..1]

1.6 GSImageView

Class in package 'Balances'

Allows setting of the ImageData

GSImageView
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS
Generalization from GSImageView to UIImageView [Direction is 'Source -> Destination'.]

ATTRIBUTES
imageData : ImageData Public [Is static True. Containment is Not Specified.]

ASSOCIATIONS
Association (direction: Unspecified) imageView Source: Public (Class) BalanceCell Target: Public (Class) GSImageView Cardinality: [1]

1.7 ImportKeyBannerCell

Class in package 'Balances'

The cell to show "import key" banner

ImportKeyBannerCell
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS
Generalization from ImportKeyBannerCell to UITableViewCell [Direction is 'Source -> Destination'.]

ASSOCIATIONS	
Association (direction: Unspecified) bannerView Source: Public (Class) ImportKeyBannerCell	Target: Public (Class) BannerView Cardinality: [1]
Association (direction: Unspecified) Source: Public (Class) BalancesTableViewCellController	Target: Public (Class) ImportKeyBannerCell Cardinality: [0..1]

1.8 TotalsCell

Class in package 'Balances'

The cell to show total value

TotalsCell
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
Generalization from TotalsCell to UITableViewCell	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
detailText : char Public	[Is static True. Containment is Not Specified.]
labelText : char Public	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
Association (direction: Unspecified) Source: Public (Class) BalancesTableViewCellController	Target: Public (Class) TotalsCell Cardinality: [0..1]

1.9 TotalsCellXib

Class in package 'Balances'

TotalsCellXib
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

1.10 UIImageView

Class in package 'Balances'

UIImageView

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

1.11 UIImageView

Class in package 'Balances'

UIImageView

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from GSlImageView to UIImageView

[Direction is 'Source -> Destination'.]

1.12 UINib

Class in package 'Balances'

UINib

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

ASSOCIATIONS

✍ Association (direction: Unspecified)

Source: Public (Class) UITableViewCell

Target: Public (Class) UINib

1.13 UIRefreshControl

Class in package 'Balances'

UIRefreshControl

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

ASSOCIATIONS

✍ Association (direction: Unspecified) refreshControl

Source: Public (Class) UIRefreshControl

Target: Public (Class) UIScrollView

1.14 UIResponder

Class in package 'Balances'

UIResponder
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

INCOMING STRUCTURAL RELATIONSHIPS

- ➡ Generalization from UIView to UIResponder
[Direction is 'Source -> Destination'.]

1.15 UIScrollView

Class in package 'Balances'

UIScrollView
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

OUTGOING STRUCTURAL RELATIONSHIPS

- ⬅ Generalization from UIScrollView to UIView
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ➡ Generalization from UITableView to UIScrollView
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

- ✍ Association (direction: Unspecified) refreshControl
Source: Public (Class) UIRefreshControl Target: Public (Class) UIScrollView

1.16 UITableView

Class in package 'Balances'

UITableView
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS	
⬅ Generalization from UITableView to UIScrollView	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
✍ Association (direction: Unspecified) delegate	
Source: Public (Class) UITableView	Target: Public (Interface) UITableViewDelegate
✍ Association (direction: Unspecified)	
Source: Public (Class) UITableView	Target: Public (Class) UITableViewCell Cardinality: [0..*]
✍ Association (direction: Unspecified) dataSource	
Source: Public (Class) UITableView	Target: Public (Interface) UITableViewDataSource
✍ Association (direction: Unspecified) tableView	
Source: Public (Class) UITableViewController	Target: Public (Class) UITableView
OPERATIONS	
👉 reloadData () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.17 UITableViewCell

Class in package 'Balances'

UITableViewCell
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

INCOMING STRUCTURAL RELATIONSHIPS	
➡ Generalization from ImportKeyBannerCell to UITableViewCell	[Direction is 'Source -> Destination'.]
➡ Generalization from CreatePasscodeBannerCell to UITableViewCell	[Direction is 'Source -> Destination'.]
➡ Generalization from BalanceCell to UITableViewCell	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
➡ Generalization from TotalsCell to UITableViewCell	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
✍ Association (direction: Unspecified)	
Source: Public (Class) UITableViewCell	Target: Public (Class) UINib
✍ Association (direction: Unspecified)	
Source: Public (Class) UITableView	Target: Public (Class) UITableViewCell Cardinality: [0..*]

1.18 UITableViewController

Class in package 'Balances'

UITableViewController
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
⬅ Generalization from UITableViewController to UIViewController	[Direction is 'Source -> Destination'.]
⬅ Realization from UITableViewController to UITableViewDelegate	[Direction is 'Source -> Destination'.]
⬅ Realization from UITableViewController to UITableViewDataSource	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
➡ Generalization from BalancesTableViewCellController to UITableViewController	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
✍ Association (direction: Unspecified) tableView	
Source: Public (Class) UITableViewController	Target: Public (Class) UITableView

1.19 UIView

Class in package 'Balances'

UIView

Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from UIView to UIResponder

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from UIScrollView to UIView

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✍ Association (direction: Unspecified) view

Source: Public (Class) UIViewController

Target: Public (Class) UIView

1.20 UIViewController

Class in package 'Balances'

UIViewController

Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/16/2021

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from UITableViewController to UIViewController

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✍ Association (direction: Unspecified) view

Source: Public (Class) UIViewController

Target: Public (Class) UIView

OPERATIONS

◊ viewDidAppear () : void Public

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

◊ viewDidDisappear () : void Public

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

◊ viewDidLoad () : void Public

OPERATIONS	
◆ viewWillAppear (animated : boolean) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ viewWillDisappear (animated : boolean) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

1.21 Balances

DataType in package 'Balances'

Represents the UI data to render in the balances table

Balances
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

ATTRIBUTES	
◆ cellData : BalancesCellData[] Public	Creates the list of cell data from the values in the `Balances`: banner if it exists, and summary cells, if summary is present. [Is static True. Containment is Not Specified.]
◆ count : int Public	Number of items in the `cellData` [Is static True. Containment is Not Specified.]
◆ empty : Balances Public Const	Empty balances data [Is static True. Containment is Not Specified.]
◆ isRefreshing : boolean Public	Indicates if the Balances screen shows the pull to refresh spinner [Is static True. Containment is Not Specified.]

ASSOCIATIONS	
✓ Association (direction: Unspecified) summary	There can be at most one summary at a time
Source: Public (DataType) Balances	Target: Public (DataType) Summary Cardinality: [0..1]
✓ Association (direction: Unspecified) banner	

ASSOCIATIONS	
There can be at most one banner at a time	
Source: Public (DataType) Balances	Target: Public (DataType) BannerPlaceholder Cardinality: [0..1]
Association (direction: Unspecified) data	
Source: Public (Class) BalancesTableViewController	Target: Public (DataType) Balances Cardinality: [1]
OPERATIONS	
subscript (indexPath : IndexPath) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

1.22 BalancesCellData

DataType in package 'Balances'

Base class representing data for a cell on Balances screen

BalancesCellData
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

INCOMING STRUCTURAL RELATIONSHIPS	
Generalization from Total to BalancesCellData	[Direction is 'Source -> Destination'.]
Generalization from Entry to BalancesCellData	[Direction is 'Source -> Destination'.]
Generalization from BannerPlaceholder to BalancesCellData	[Direction is 'Source -> Destination'.]

1.23 BannerPlaceholder

DataType in package 'Balances'

Base class for indicating banner presence

BannerPlaceholder
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/17/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
-----------------------------------	--

OUTGOING STRUCTURAL RELATIONSHIPS

- ⬅ Generalization from BannerPlaceholder to BalancesCellData
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ➡ Generalization from PasscodeBannerPlaceholder to BannerPlaceholder
 [Direction is 'Source -> Destination'.]
- ➡ Generalization from ImportKeyBannerPlaceholder to BannerPlaceholder
 [Direction is 'Source -> Destination'.]

ASSOCIATIONS

- ✍ Association (direction: Unspecified) banner

There can be at most one banner at a time

Source: Public (DataType) Balances

Target: Public (DataType) BannerPlaceholder

Cardinality: [0..1]

1.24 Entry

DataType in package 'Balances'

Entry row, shows the token amount and its value in quote (fiat) currency

Entry

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS

- ⬅ Generalization from Entry to BalancesCellData
 [Direction is 'Source -> Destination'.]

ATTRIBUTES

- ◆ name : char Public
 [Is static True. Containment is Not Specified.]

- ◆ quoteAmount : char Public
 [Is static True. Containment is Not Specified.]

- ◆ tokenAmount : char Public
 [Is static True. Containment is Not Specified.]

ASSOCIATIONS

ASSOCIATIONS	
Association (direction: Unspecified) image	
Source: Public (DataType) Entry	Target: Public (Interface) ImageData Cardinality: [1]
Association (direction: Unspecified) entries	
There must be at least 1 entry for the Summary with Total to exist	
Source: Public (DataType) Summary	Target: Public (DataType) Entry Cardinality: [1..*]

1.25 ImportKeyBannerPlaceholder

DataType in package 'Balances'

Represents Import Key banner presence

ImportKeyBannerPlaceholder
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from ImportKeyBannerPlaceholder to BannerPlaceholder	[Direction is 'Source -> Destination'.]

1.26 LocallImageData

DataType in package 'Balances'

Image from a memory (UIImage)

LocallImageData
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Realization from LocallImageData to ImageData	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ image : UIImage Public	[Is static True. Containment is Not Specified.]

OPERATIONS	

OPERATIONS

◆ apply (imageView : UIImageView) : void Public

Sets the image to UIImageView

Properties:

Implements = ImageData.apply

ImplementsGuid = {8C82EE1A-1815-47f9-BA39-DD6EA820891D}

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

1.27 PasscodeBannerPlaceholder

DataType in package 'Balances'

Represents Create Passcode banner presence

PasscodeBannerPlaceholder

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from PasscodeBannerPlaceholder to BannerPlaceholder

[Direction is 'Source -> Destination'.]

1.28 RemotelImageData

DataType in package 'Balances'

Data and placeholders for the image loaded from network

RemotelImageData

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Realization from RemotelImageData to ImageData

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ completion : CompletionHandler Public

Completion handler to be called when an image loaded or failed to load

[Is static True. Containment is Not Specified.]

◆ error : UIImageView Public

Error image to show when the network loading failed

[Is static True. Containment is Not Specified.]

ATTRIBUTES
<p>◆ placeholder : UIImage Public Placeholder image to show while the image is loading from network [Is static True. Containment is Not Specified.]</p>
<p>◆ url : URL Public The URL for the image resource. Expected to be of PNG, JPEG, or HEIF types. It will support GIFs too, but that would result in the memory leak and potential crash. [Is static True. Containment is Not Specified.]</p>

OPERATIONS
<p>◆ apply (imageView : UIImageView) : void Public Implements loading of the image from network and setting appropriate image to the UIImageView Properties: Implements = ImageData.apply ImplementsGuid = {8C82EE1A-1815-47f9-BA39-DD6EA820891D} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

1.29 Summary

DataType in package 'Balances'

Represents main content of the balances: total and entries

Summary
Version 1.0 Phase 1.0 Proposed
Dmitrii Bespalov created on 6/17/2021. Last modified 6/17/2021

ASSOCIATIONS
<p>◆ Association (direction: Unspecified) total Source: Public (DataType) Summary Target: Public (DataType) Total Cardinality: [1]</p>
<p>◆ Association (direction: Unspecified) entries There must be at least 1 entry for the Summary with Total to exist Source: Public (DataType) Summary Target: Public (DataType) Entry Cardinality: [1..*]</p>
<p>◆ Association (direction: Unspecified) summary There can be at most one summary at a time Source: Public (DataType) Balances Target: Public (DataType) Summary Cardinality: [0..1]</p>

1.30 Total

DataType in package 'Balances'

Total row, shows total value of all amounts in quote (fiat) currency

Total

Version 1.0 Phase 1.0 Proposed

Dmitrii Bespalov created on 6/16/2021. Last modified 6/17/2021

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from Total to BalancesCellData

[Direction is 'Source -> Destination'.]

ATTRIBUTES

quoteAmount : char Public

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

↗ Association (direction: Unspecified) total

Source: Public (DataType) Summary

Target: Public (DataType) Total

Cardinality: [1]