

Action Java Compiler Runtime Reference Manual

Generated by Doxygen 1.2.8.1

Fri Sep 13 20:48:14 2002

Contents

1	Action Java Compiler Runtime Package List	1
1.1	Action Java Compiler Runtime Package List	1
2	Action Java Compiler Runtime Hierarchical Index	3
2.1	Action Java Compiler Runtime Class Hierarchy	3
3	Action Java Compiler Runtime Compound Index	5
3.1	Action Java Compiler Runtime Compound List	5
4	Action Java Compiler Runtime File Index	7
4.1	Action Java Compiler Runtime File List	7
5	Action Java Compiler Runtime Package Documentation	9
5.1	Package ajc	9
5.2	Package ajc.data	10
5.3	Package ajc.data.pure	11
6	Action Java Compiler Runtime Class Documentation	13
6.1	AbstractEnactable Class Reference	13
6.2	AbstractInfixCombinator Class Reference	15
6.3	AbstractPrefixCombinator Class Reference	16
6.4	Action Interface Reference	18
6.5	ActionImpl Class Reference	20
6.6	Agent Interface Reference	24
6.7	AgentImpl Class Reference	25
6.8	And Class Reference	26
6.9	AndExceptionally Class Reference	28
6.10	AndThen Class Reference	30
6.11	Bindable Interface Reference	32
6.12	Bindings Interface Reference	33

6.13 BindingsImpl Class Reference	35
6.14 Bool Interface Reference	37
6.15 BoolImpl Class Reference	38
6.16 Cell Interface Reference	40
6.17 CellImpl Class Reference	41
6.18 Comparable Class Reference	42
6.19 Data Interface Reference	43
6.20 DataConst Interface Reference	45
6.21 DataConstImpl Class Reference	46
6.22 DataFactory Interface Reference	47
6.23 DataImpl Class Reference	49
6.24 DataValue Interface Reference	52
6.25 DataValueImpl Class Reference	53
6.26 Datum Interface Reference	55
6.27 DatumImpl Class Reference	56
6.28 Empty Interface Reference	57
6.29 EmptyImpl Class Reference	58
6.30 Enactable Interface Reference	60
6.31 Exception Class Reference	61
6.32 Exceptional Class Reference	62
6.33 Exceptionally Class Reference	63
6.34 Failed Class Reference	65
6.35 Hashtable Class Reference	66
6.36 Hence Class Reference	67
6.37 Indivisibly Class Reference	69
6.38 Int Interface Reference	71
6.39 IntImpl Class Reference	73
6.40 List Interface Reference	76
6.41 ListImpl Class Reference	78
6.42 Message Interface Reference	80
6.43 MessageTag Interface Reference	81
6.44 MessageTagImpl Class Reference	82
6.45 Otherwise Class Reference	83
6.46 Provide Class Reference	85
6.47 PureFactory Class Reference	86
6.48 Runnable Class Reference	89

6.49	Schedule Class Reference	90
6.50	Scheduling Interface Reference	92
6.51	Storable Interface Reference	94
6.52	Store Class Reference	95
6.53	Storing Interface Reference	97
6.54	TaggedBuffers Class Reference	98
6.55	Text Interface Reference	99
6.56	TextImpl Class Reference	100
6.57	Then Class Reference	102
6.58	Token Interface Reference	104
6.59	TokenImpl Class Reference	105
6.60	Unfold Class Reference	107
7	Action Java Compiler Runtime File Documentation	109
7.1	AbstractAction.java File Reference	109
7.2	AbstractEnactable.java File Reference	110
7.3	AbstractInfixCombinator.java File Reference	111
7.4	AbstractPrefixCombinator.java File Reference	112
7.5	Action.java File Reference	113
7.6	ActionImpl.java File Reference	114
7.7	Agent.java File Reference	115
7.8	AgentImpl.java File Reference	116
7.9	Bindable.java File Reference	117
7.10	Bindings.java File Reference	118
7.11	BindingsImpl.java File Reference	119
7.12	Bool.java File Reference	120
7.13	BoolImpl.java File Reference	121
7.14	Cell.java File Reference	122
7.15	CellImpl.java File Reference	123
7.16	Data.java File Reference	124
7.17	DataConst.java File Reference	125
7.18	DataConstImpl.java File Reference	126
7.19	DataFactory.java File Reference	127
7.20	DataImpl.java File Reference	128
7.21	DataValue.java File Reference	129
7.22	DataValueImpl.java File Reference	130
7.23	Datum.java File Reference	131

7.24 DatumImpl.java File Reference	132
7.25 Empty.java File Reference	133
7.26 EmptyImpl.java File Reference	134
7.27 Enactable.java File Reference	135
7.28 Exceptional.java File Reference	136
7.29 Failed.java File Reference	137
7.30 Int.java File Reference	138
7.31 IntImpl.java File Reference	139
7.32 List.java File Reference	140
7.33 ListImpl.java File Reference	141
7.34 Message.java File Reference	142
7.35 MessageTag.java File Reference	143
7.36 MessageTagImpl.java File Reference	144
7.37 PureFactory.java File Reference	145
7.38 Schedule.java File Reference	146
7.39 Scheduling.java File Reference	147
7.40 Storable.java File Reference	148
7.41 Store.java File Reference	149
7.42 Storing.java File Reference	150
7.43 TaggedBuffers.java File Reference	151
7.44 Text.java File Reference	152
7.45 TextImpl.java File Reference	153
7.46 Token.java File Reference	154
7.47 TokenImpl.java File Reference	155
7.48 Tuple.java File Reference	156
7.49 Unfold.java File Reference	157

Chapter 1

Action Java Compiler Runtime Package List

1.1 Action Java Compiler Runtime Package List

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

ajc	9
ajc.data	10
ajc.data.pure	11

Chapter 2

Action Java Compiler Runtime Hierarchical Index

2.1 Action Java Compiler Runtime Class Hierarchy

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

Bindable	32
Datum	55
Action	18
ActionImpl	20
AbstractInfixCombinator	15
And	26
AndExceptionally	28
AndThen	30
Exceptionally	63
Hence	67
Otherwise	83
Then	102
AbstractPrefixCombinator	16
Indivisibly	69
Provide	85
Agent	24
AgentImpl	25
Bindings	33
BindingsImpl	35
Bool	37
BoolImpl	38
Cell	40
CellImpl	41
DatumImpl	56
ActionImpl	20
AgentImpl	25
BindingsImpl	35
BoolImpl	38
CellImpl	41
IntImpl	73

ListImpl	78
TextImpl	100
MessageTagImpl	82
TokenImpl	105
Int	71
IntImpl	73
List	76
ListImpl	78
Text	99
MessageTag	81
MessageTagImpl	82
TextImpl	100
Token	104
TokenImpl	105
Comparable	42
Token	104
Data	43
DataImpl	49
DataValueImpl	53
DataConstImpl	46
EmptyImpl	58
DatumImpl	56
DataValue	52
DataConst	45
DataConstImpl	46
Empty	57
EmptyImpl	58
DataValueImpl	53
Datum	55
DataFactory	47
PureFactory	86
Enactable	60
AbstractEnactable	13
Exception	61
Exceptional	62
Failed	65
Unfold	107
Hashtable	66
TaggedBuffers	98
Message	80
Datum	55
Runnable	89
Action	18
Scheduling	92
Schedule	90
Storable	94
Datum	55
Storing	97
Store	95

Chapter 3

Action Java Compiler Runtime Compound Index

3.1 Action Java Compiler Runtime Compound List

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

AbstractEnactable	13
AbstractInfixCombinator	15
AbstractPrefixCombinator	16
Action	18
ActionImpl	20
Agent	24
AgentImpl	25
And	26
AndExceptionally	28
AndThen	30
Bindable	32
Bindings	33
BindingsImpl	35
Bool	37
BoolImpl	38
Cell	40
CellImpl	41
Comparable	42
Data	43
DataConst	45
DataConstImpl	46
DataFactory	47
DataImpl	49
DataValue	52
DataValueImpl	53
Datum	55
DatumImpl	56
Empty	57
EmptyImpl	58
Enactable	60

Exception	61
Exceptional	62
Exceptionally	63
Failed	65
Hashtable	66
Hence	67
Indivisibly	69
Int	71
IntImpl	73
List	76
ListImpl	78
Message	80
MessageTag	81
MessageTagImpl	82
Otherwise	83
Provide	85
PureFactory	86
Runnable	89
Schedule	90
Scheduling	92
Storable	94
Store	95
Storing	97
TaggedBuffers	98
Text	99
TextImpl	100
Then	102
Token	104
TokenImpl	105
Unfold (Describe class <code>Unfold</code> here)	107

Chapter 4

Action Java Compiler Runtime File Index

4.1 Action Java Compiler Runtime File List

Here is a list of all files with brief descriptions:

AbstractAction.java	109
AbstractEnactable.java	110
AbstractInfixCombinator.java	111
AbstractPrefixCombinator.java	112
Action.java	113
ActionImpl.java	114
Agent.java	115
AgentImpl.java	116
Bindable.java	117
Bindings.java	118
BindingsImpl.java	119
Bool.java	120
BoolImpl.java	121
Cell.java	122
CellImpl.java	123
Data.java	124
DataConst.java	125
DataConstImpl.java	126
DataFactory.java	127
DataImpl.java	128
DataValue.java	129
DataValueImpl.java	130
Datum.java	131
DatumImpl.java	132
Empty.java	133
EmptyImpl.java	134
Enactable.java	135
Exceptional.java	136
Failed.java	137
Int.java	138

IntImpl.java	139
List.java	140
ListImpl.java	141
Message.java	142
MessageTag.java	143
MessageTagImpl.java	144
PureFactory.java	145
Schedule.java	146
Scheduling.java	147
Storable.java	148
Store.java	149
Storing.java	150
TaggedBuffers.java	151
Text.java	152
TextImpl.java	153
Token.java	154
TokenImpl.java	155
Tuple.java	156
Unfold.java	157

Chapter 5

Action Java Compiler Runtime Package Documentation

5.1 Package `ajc`

Interfaces

- interface [Enactable](#)
- interface [Scheduling](#)
- interface [Storing](#)

Classes

- class [AbstractEnactable](#)
- class [Exceptional](#)
- class [Failed](#)
- class [Schedule](#)
- class [Store](#)
- class [TaggedBuffers](#)
- class [Unfold](#)

Describe class `Unfold` here.

5.2 Package ajc.data

Interfaces

- interface [Action](#)
- interface [Agent](#)
- interface [Bindable](#)
- interface [Bindings](#)
- interface [Bool](#)
- interface [Cell](#)
- interface [Data](#)
- interface [DataConst](#)
- interface [DataFactory](#)
- interface [DataValue](#)
- interface [Datum](#)
- interface [Empty](#)
- interface [Int](#)
- interface [List](#)
- interface [Message](#)
- interface [MessageTag](#)
- interface [Storable](#)
- interface [Text](#)
- interface [Token](#)

5.3 Package ajc.data.pure

Classes

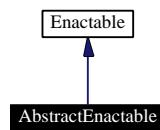
- class **And::_And**
- class **AndExceptionally::_AndExceptionally**
- class **AndThen::_AndThen**
- class **Exceptionally::_Exceptionally**
- class **Hence::_Hence**
- class **Indivisibly::_Indivisibly**
- class **Otherwise::_Otherwise**
- class **Provide::_Provide**
- class **Then::_Then**
- class [AbstractInfixCombinator](#)
- class [AbstractPrefixCombinator](#)
- class [ActionImpl](#)
- class [AgentImpl](#)
- class [And](#)
- class [AndExceptionally](#)
- class [AndThen](#)
- class [BindingsImpl](#)
- class [BoolImpl](#)
- class [CellImpl](#)
- class [DataConstImpl](#)
- class [DataImpl](#)
- class [DataValueImpl](#)
- class [DatumImpl](#)
- class [EmptyImpl](#)
- class [Exceptionally](#)
- class [Hence](#)
- class [Indivisibly](#)
- class [IntImpl](#)
- class [ListImpl](#)
- class [MessageTagImpl](#)
- class [Otherwise](#)
- class [Provide](#)
- class [PureFactory](#)
- class [TextImpl](#)
- class [Then](#)
- class [TokenImpl](#)

Chapter 6

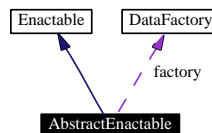
Action Java Compiler Runtime Class Documentation

6.1 AbstractEnactable Class Reference

Inheritance diagram for AbstractEnactable:



Collaboration diagram for AbstractEnactable:



Protected Methods

- [Data fail \(\)](#) throws [Failed](#)
- [Data raise \(Data data\)](#) throws [Exceptional](#)
- [Data catchExceptional \(Exception e\)](#) throws [Failed](#)

Protected Attributes

- [DataFactory factory](#)
-

6.1.1 Member Function Documentation

6.1.1.1 **Data** AbstractEnactable::catchExceptional (**Exception** *e*) [protected]

Definition at line 25 of file AbstractEnactable.java.

6.1.1.2 **Data** AbstractEnactable::fail () [protected]

Definition at line 14 of file AbstractEnactable.java.

6.1.1.3 **Data** AbstractEnactable::raise (**Data** *data*) [protected]

Definition at line 19 of file AbstractEnactable.java.

6.1.2 Member Data Documentation

6.1.2.1 **DataFactory** AbstractEnactable::factory [protected]

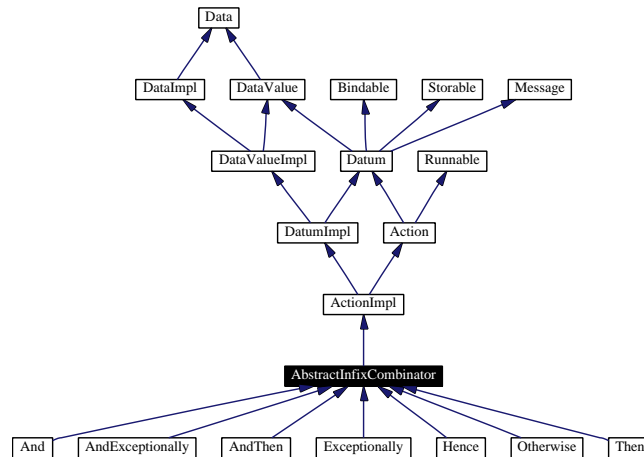
Definition at line 12 of file AbstractEnactable.java.

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

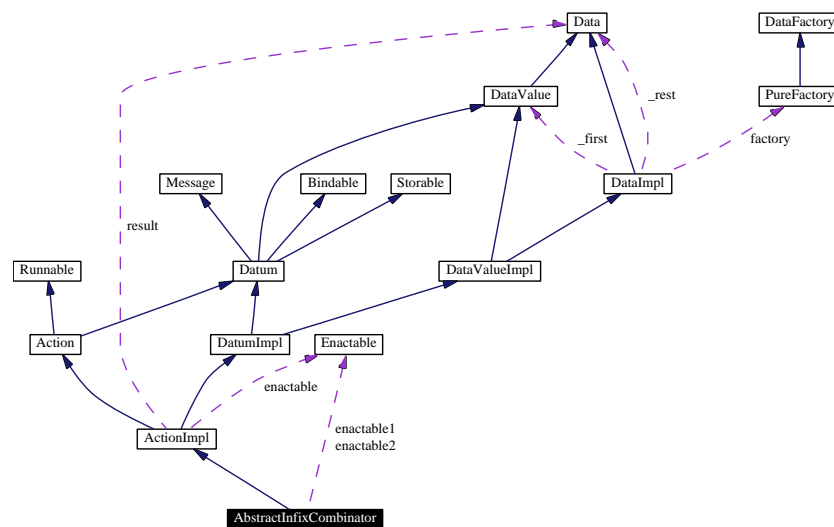
- [AbstractEnactable.java](#)

6.2 AbstractInfixCombinator Class Reference

Inheritance diagram for AbstractInfixCombinator:



Collaboration diagram for AbstractInfixCombinator:

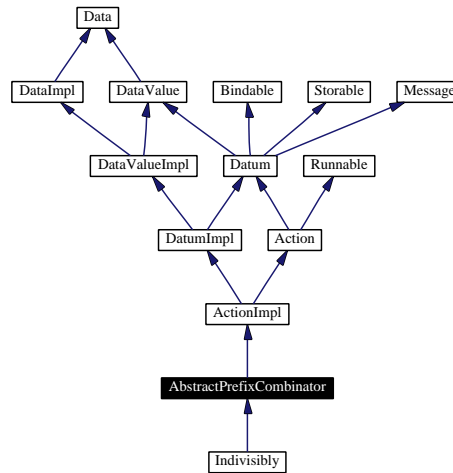


The documentation for this class was generated from the following file:

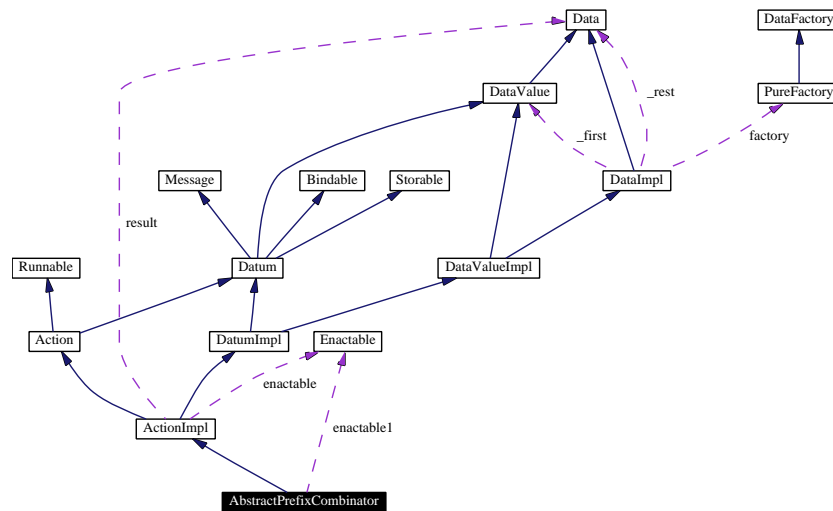
- [AbstractInfixCombinator.java](#)

6.3 AbstractPrefixCombinator Class Reference

Inheritance diagram for AbstractPrefixCombinator:



Collaboration diagram for AbstractPrefixCombinator:



Protected Attributes

- [Enactable enactable1](#)

6.3.1 Member Data Documentation

6.3.1.1 [Enactable](#) AbstractPrefixCombinator::enactable1 [protected]

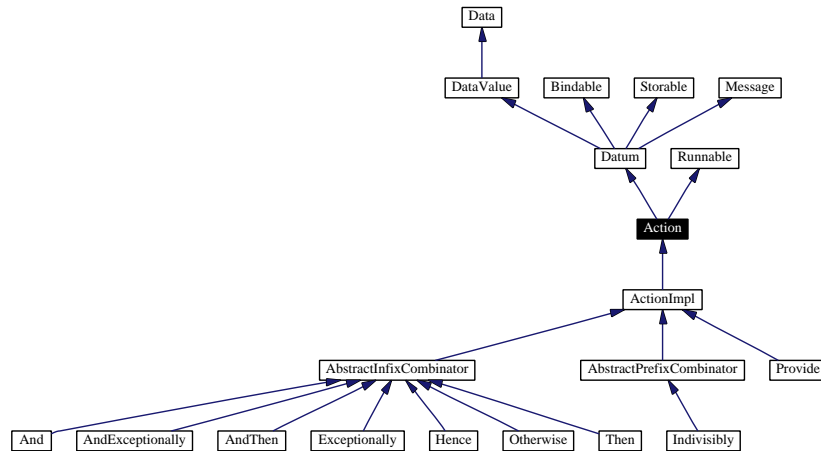
Definition at line 8 of file AbstractPrefixCombinator.java.

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

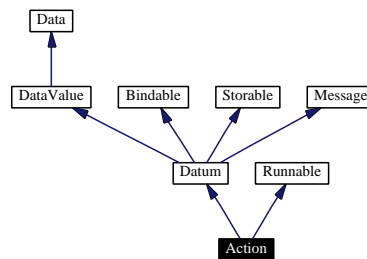
- [AbstractPrefixCombinator.java](#)

6.4 Action Interface Reference

Inheritance diagram for Action:



Collaboration diagram for Action:



Public Methods

- [Enactable enactableValue \(\)](#)
- [Data enact \(\)](#) throws [Exceptional](#), [Failed](#), [Unfold](#)
- Action [then](#) (Action action)
- Action [andThen](#) (Action action)
- Action [and](#) (Action action)
- Action [exceptionally](#) (Action action)
- Action [andExceptionally](#) (Action action)
- Action [otherwise](#) (Action action)
- Action [hence](#) (Action action)
- Action [indivisibly](#) ()

6.4.1 Member Function Documentation

6.4.1.1 Action Action::and (Action action)

Reimplemented in [ActionImpl](#).

6.4.1.2 Action Action::andExceptionally (Action *action*)

Reimplemented in [ActionImpl](#).

6.4.1.3 Action Action::andThen (Action *action*)

Reimplemented in [ActionImpl](#).

6.4.1.4 Data Action::enact ()

Reimplemented in [ActionImpl](#), and [ActionImpl](#).

Referenced by ActionImpl::run().

6.4.1.5 Enactable Action::enactableValue ()

Reimplemented in [ActionImpl](#).

Referenced by ActionImpl::and(), ActionImpl::andExceptionally(), ActionImpl::andThen(), ActionImpl::exceptionally(), ActionImpl::hence(), ActionImpl::otherwise(), and ActionImpl::then().

6.4.1.6 Action Action::exceptionally (Action *action*)

Reimplemented in [ActionImpl](#).

6.4.1.7 Action Action::hence (Action *action*)

Reimplemented in [ActionImpl](#).

6.4.1.8 Action Action::indivisibly ()

Reimplemented in [ActionImpl](#).

6.4.1.9 Action Action::otherwise (Action *action*)

Reimplemented in [ActionImpl](#).

6.4.1.10 Action Action::then (Action *action*)

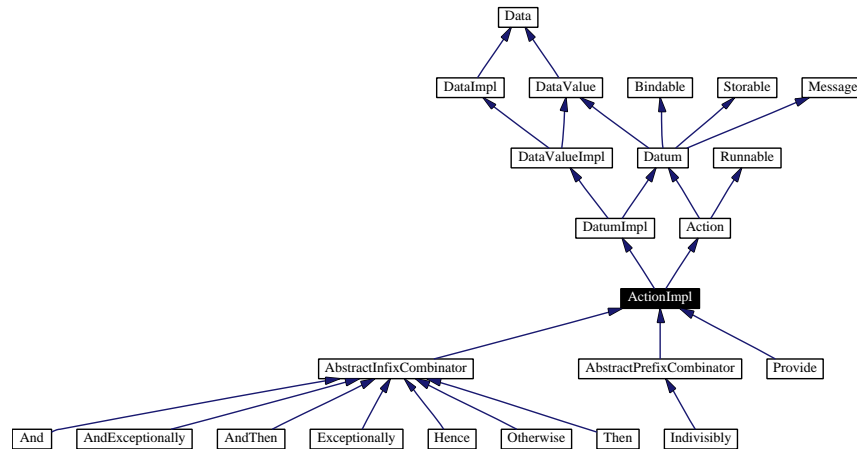
Reimplemented in [ActionImpl](#).

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

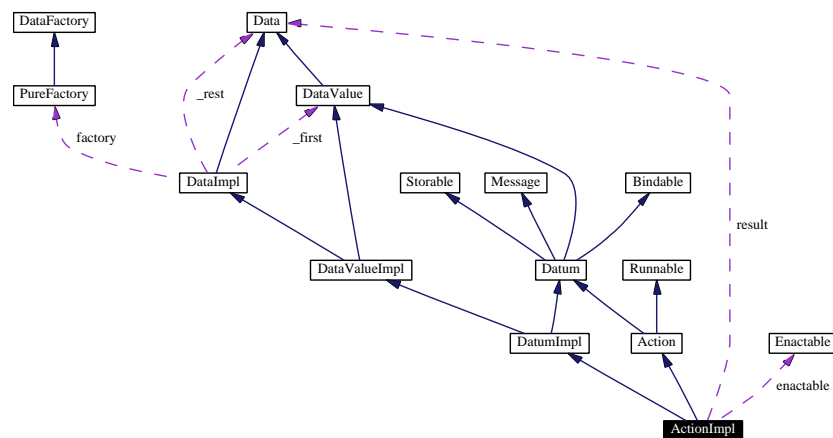
- [Action.java](#)

6.5 ActionImpl Class Reference

Inheritance diagram for ActionImpl:



Collaboration diagram for ActionImpl:



Public Methods

- [Enactable](#) [getEnactable](#) ()
- [Data](#) [enact](#) ()
- [Action](#) [giveThen](#) ([Action](#) action)
- [Action](#) [giveAndThen](#) ([Action](#) action)
- [Action](#) [giveAnd](#) ([Action](#) action)
- [Action](#) [giveExceptionally](#) ([Action](#) action)
- [Action](#) [giveAndExceptionally](#) ([Action](#) action)
- [Action](#) [giveOtherwise](#) ([Action](#) action)
- [Action](#) [giveHence](#) ([Action](#) action)
- [Action](#) [giveIndivisibly](#) ()
- [Enactable](#) [enactableValue](#) ()
- [Data](#) [enact](#) () throws [Exceptional](#), [Failed](#), [Unfold](#)

- [Action then](#) ([Action](#) action)
- [Action andThen](#) ([Action](#) action)
- [Action and](#) ([Action](#) action)
- [Action exceptionally](#) ([Action](#) action)
- [Action andExceptionally](#) ([Action](#) action)
- [Action otherwise](#) ([Action](#) action)
- [Action hence](#) ([Action](#) action)
- [Action indivisibly](#) ()
- void [run](#) ()
- [Empty equals](#) ([Data](#) data) throws [Exceptional](#)

6.5.1 Member Function Documentation

6.5.1.1 [Action](#) ActionImpl::and ([Action](#) action)

Reimplemented from [Action](#).

Definition at line 38 of file ActionImpl.java.

6.5.1.2 [Action](#) ActionImpl::andExceptionally ([Action](#) action)

Reimplemented from [Action](#).

Definition at line 44 of file ActionImpl.java.

6.5.1.3 [Action](#) ActionImpl::andThen ([Action](#) action)

Reimplemented from [Action](#).

Definition at line 35 of file ActionImpl.java.

6.5.1.4 [Data](#) ActionImpl::enact ()

Reimplemented from [Action](#).

Definition at line 28 of file ActionImpl.java.

6.5.1.5 [Data](#) ActionImpl::enact ()

Reimplemented from [Action](#).

Definition at line 32 of file AbstractAction.java.

6.5.1.6 [Enactable](#) ActionImpl::enactableValue ()

Reimplemented from [Action](#).

Definition at line 24 of file ActionImpl.java.

6.5.1.7 Empty ActionImpl::equals ([Data](#) data)

Reimplemented from [DataValueImpl](#).

Definition at line 68 of file ActionImpl.java.

6.5.1.8 Action ActionImpl::exceptionally ([Action](#) action)

Reimplemented from [Action](#).

Definition at line 41 of file ActionImpl.java.

6.5.1.9 Enactable ActionImpl::getEnactable ()

Definition at line 28 of file AbstractAction.java.

6.5.1.10 Action ActionImpl::giveAnd ([Action](#) action)

Definition at line 42 of file AbstractAction.java.

6.5.1.11 Action ActionImpl::giveAndExceptionally ([Action](#) action)

Definition at line 48 of file AbstractAction.java.

6.5.1.12 Action ActionImpl::giveAndThen ([Action](#) action)

Definition at line 39 of file AbstractAction.java.

6.5.1.13 Action ActionImpl::giveExceptionally ([Action](#) action)

Definition at line 45 of file AbstractAction.java.

6.5.1.14 Action ActionImpl::giveHence ([Action](#) action)

Definition at line 54 of file AbstractAction.java.

6.5.1.15 Action ActionImpl::giveIndivisibly ()

Definition at line 57 of file AbstractAction.java.

6.5.1.16 Action ActionImpl::giveOtherwise ([Action](#) action)

Definition at line 51 of file AbstractAction.java.

6.5.1.17 Action ActionImpl::giveThen ([Action](#) action)

Definition at line 36 of file AbstractAction.java.

6.5.1.18 [Action](#) ActionImpl::hence ([Action](#) *action*)

Reimplemented from [Action](#).

Definition at line 50 of file ActionImpl.java.

6.5.1.19 [Action](#) ActionImpl::indivisibly ()

Reimplemented from [Action](#).

Definition at line 53 of file ActionImpl.java.

6.5.1.20 [Action](#) ActionImpl::otherwise ([Action](#) *action*)

Reimplemented from [Action](#).

Definition at line 47 of file ActionImpl.java.

6.5.1.21 void ActionImpl::run ()

Definition at line 58 of file ActionImpl.java.

6.5.1.22 [Action](#) ActionImpl::then ([Action](#) *action*)

Reimplemented from [Action](#).

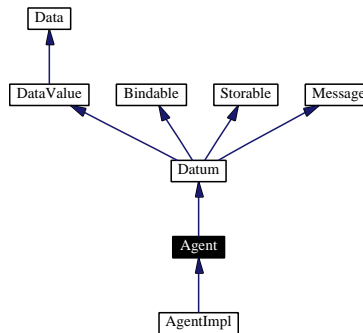
Definition at line 32 of file ActionImpl.java.

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

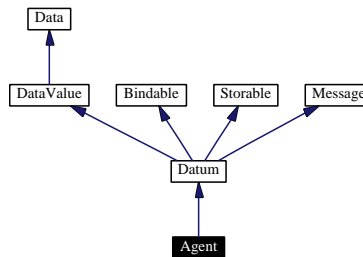
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.6 Agent Interface Reference

Inheritance diagram for Agent:



Collaboration diagram for Agent:

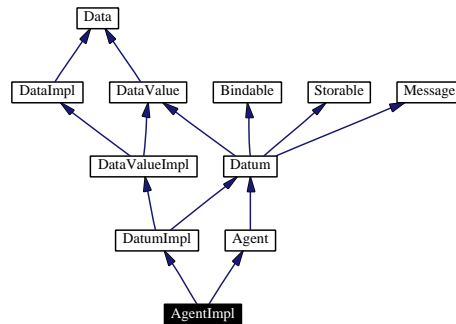


The documentation for this interface was generated from the following file:

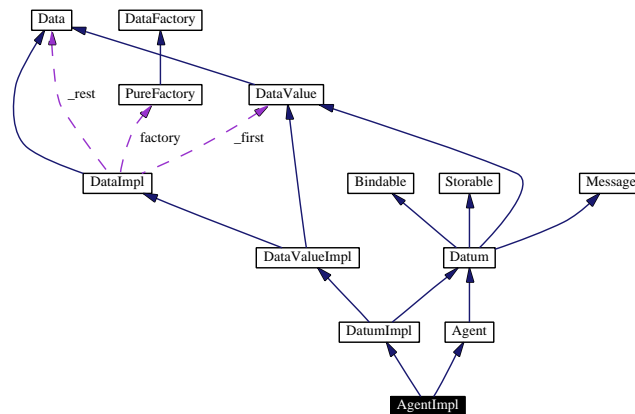
- [Agent.java](#)

6.7 AgentImpl Class Reference

Inheritance diagram for AgentImpl:



Collaboration diagram for AgentImpl:

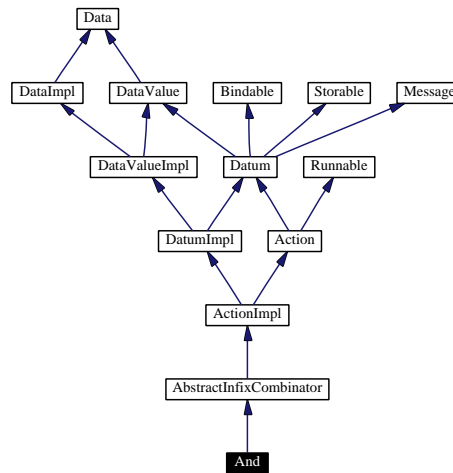


The documentation for this class was generated from the following file:

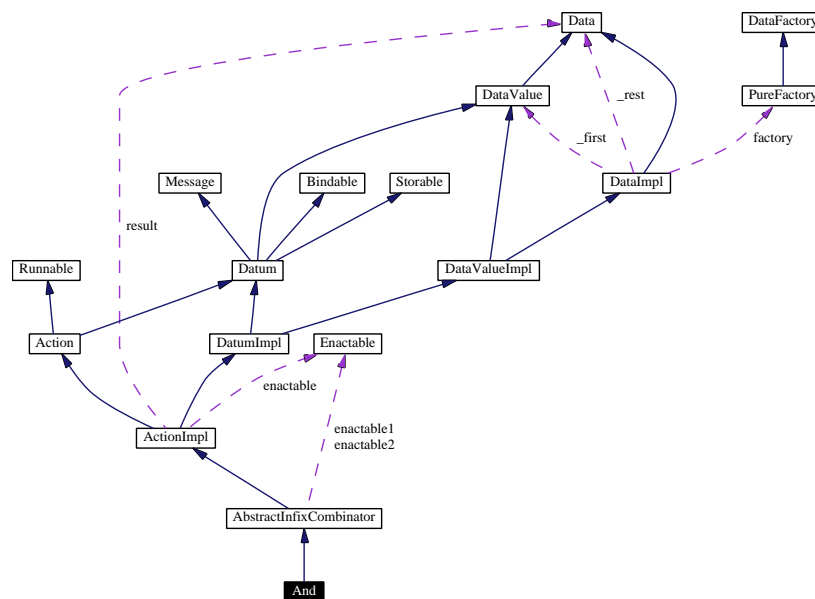
- [AgentImpl.java](#)

6.8 And Class Reference

Inheritance diagram for And:



Collaboration diagram for And:



Public Methods

- **And** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)
- **Data** enact ([Data](#) data, [Bindings](#) bindings) throws [Exceptional](#), [Failed](#)
- **And** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)

6.8.1 Constructor & Destructor Documentation

6.8.1.1 `And::And (PureFactory factory, Enactable enactable1, Enactable enactable2)`

Definition at line 84 of file `AbstractAction.java`.

6.8.1.2 `And::And (PureFactory factory, Enactable enactable1, Enactable enactable2)`

Definition at line 112 of file `ActionImpl.java`.

6.8.2 Member Function Documentation

6.8.2.1 `Data And::enact (Data data, Bindings bindings)`

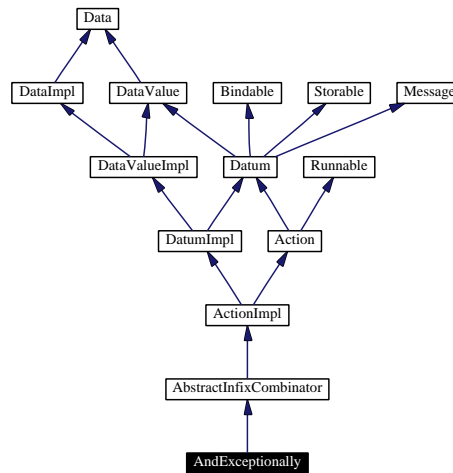
Definition at line 87 of file `AbstractAction.java`.

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

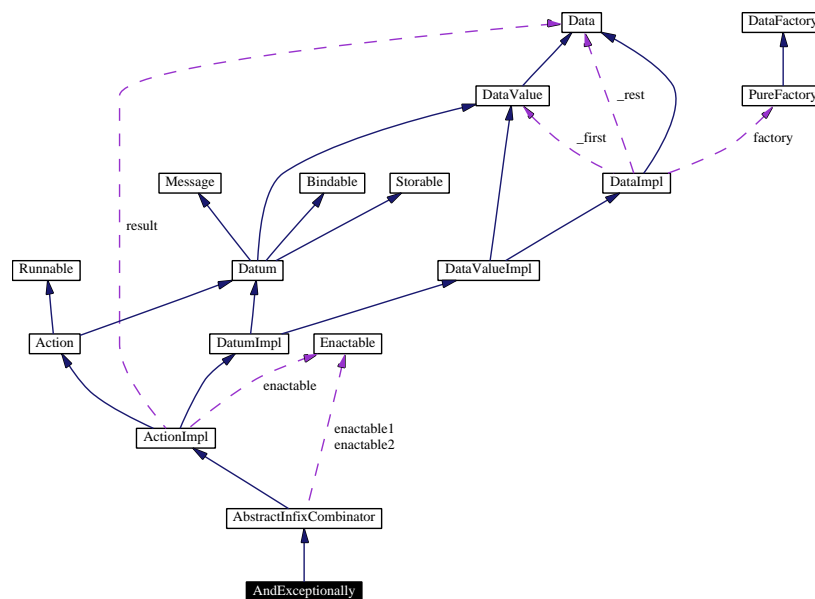
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.9 AndExceptionally Class Reference

Inheritance diagram for AndExceptionally:



Collaboration diagram for AndExceptionally:



Public Methods

- **AndExceptionally** (**PureFactory** factory, **Enactable** enactable1, **Enactable** enactable2)
- **Data enact** (**Data** data, **Bindings** bindings) throws **Exceptional**, **Failed**
- **AndExceptionally** (**PureFactory** factory, **Enactable** enactable1, **Enactable** enactable2)

6.9.1 Constructor & Destructor Documentation

6.9.1.1 AndExceptionally::AndExceptionally ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 110 of file AbstractAction.java.

6.9.1.2 AndExceptionally::AndExceptionally ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 154 of file ActionImpl.java.

6.9.2 Member Function Documentation

6.9.2.1 [Data](#) AndExceptionally::enact ([Data](#) *data*, [Bindings](#) *bindings*)

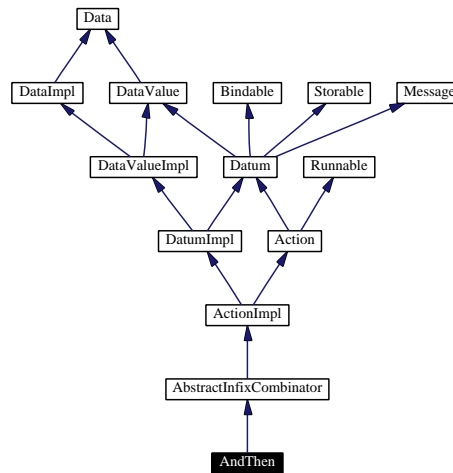
Definition at line 113 of file AbstractAction.java.

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

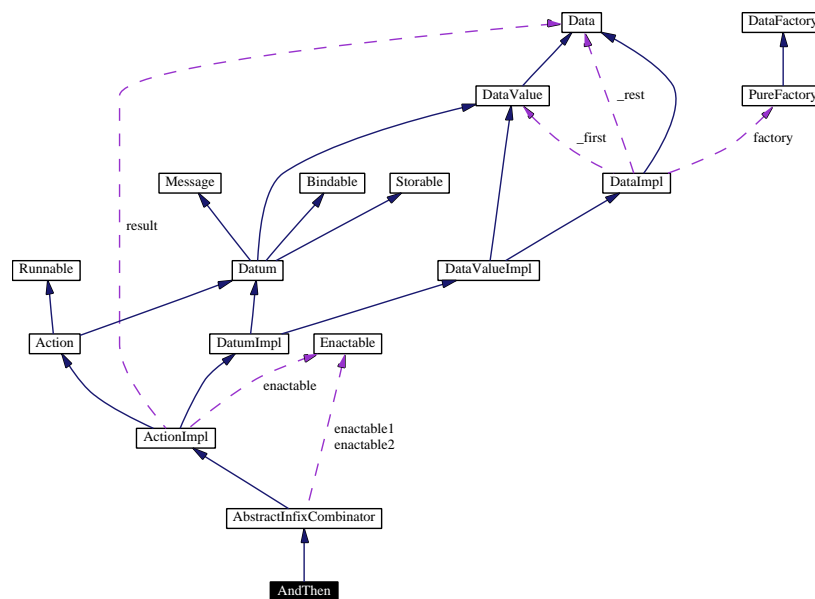
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.10 AndThen Class Reference

Inheritance diagram for AndThen:



Collaboration diagram for AndThen:



Public Methods

- **AndThen** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)
- **Data enact** ([Data](#) data, [Bindings](#) bindings) throws [Exceptional](#), [Failed](#)
- **AndThen** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)

6.10.1 Constructor & Destructor Documentation

6.10.1.1 AndThen::AndThen ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 73 of file AbstractAction.java.

6.10.1.2 AndThen::AndThen ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 98 of file ActionImpl.java.

6.10.2 Member Function Documentation

6.10.2.1 [Data](#) AndThen::enact ([Data](#) *data*, [Bindings](#) *bindings*)

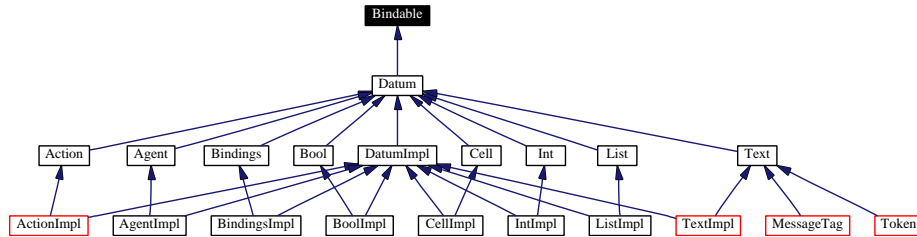
Definition at line 76 of file AbstractAction.java.

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

- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.11 Bindable Interface Reference

Inheritance diagram for Bindable:

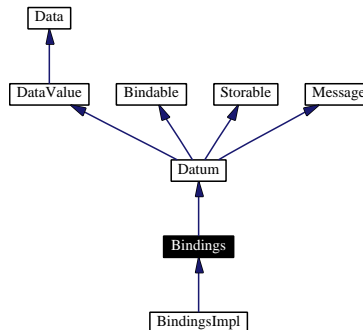


The documentation for this interface was generated from the following file:

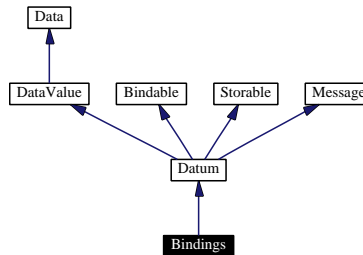
- [Bindable.java](#)

6.12 Bindings Interface Reference

Inheritance diagram for Bindings:



Collaboration diagram for Bindings:



Public Methods

- Map `mapValue ()`
- `Bindable bound (Token token)` throws `Exceptional`
- Bindings `overriding (Bindings bindings)`
- Bindings `disjointUnion (Bindings bindings)`

6.12.1 Member Function Documentation

6.12.1.1 `Bindable Bindings::bound (Token token)`

Reimplemented in `BindingsImpl`.

6.12.1.2 `Bindings Bindings::disjointUnion (Bindings bindings)`

Reimplemented in `BindingsImpl`.

6.12.1.3 `Map Bindings::mapValue ()`

Reimplemented in `BindingsImpl`.

Referenced by `BindingsImpl::disjointUnion()`, and `BindingsImpl::overriding()`.

6.12.1.4 Bindings Bindings::overriding (Bindings *bindings*)

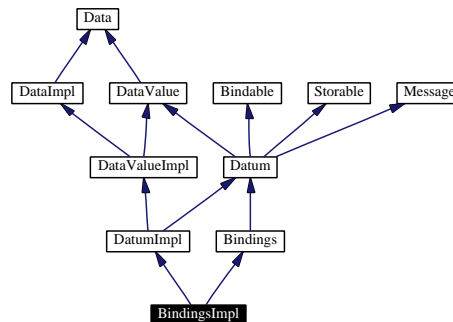
Reimplemented in [BindingsImpl](#).

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

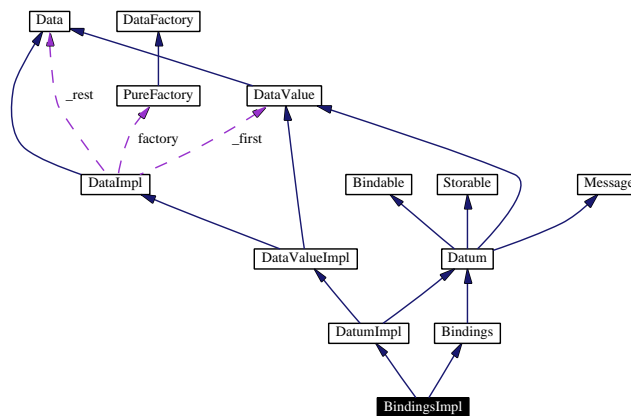
- [Bindings.java](#)

6.13 BindingsImpl Class Reference

Inheritance diagram for BindingsImpl:



Collaboration diagram for BindingsImpl:



Public Methods

- Map [mapValue \(\)](#)
- [Bindable bound \(Token token\)](#) throws [Exceptional](#)
- [Bindings overriding \(Bindings bindings\)](#)
- [Bindings disjointUnion \(Bindings bindings\)](#)
- String [toString \(\)](#)

6.13.1 Member Function Documentation

6.13.1.1 [Bindable BindingsImpl::bound \(Token token\)](#)

Reimplemented from [Bindings](#).

Definition at line 39 of file BindingsImpl.java.

6.13.1.2 Bindings BindingsImpl::disjointUnion (*Bindings bindings*)

Reimplemented from [Bindings](#).

Definition at line 52 of file BindingsImpl.java.

6.13.1.3 Map BindingsImpl::mapValue ()

Reimplemented from [Bindings](#).

Definition at line 29 of file BindingsImpl.java.

6.13.1.4 Bindings BindingsImpl::overriding (*Bindings bindings*)

Reimplemented from [Bindings](#).

Definition at line 46 of file BindingsImpl.java.

6.13.1.5 String BindingsImpl::toString ()

Reimplemented from [DataImpl](#).

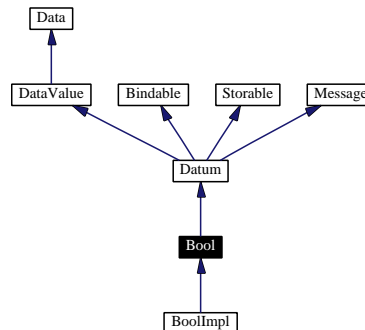
Definition at line 65 of file BindingsImpl.java.

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

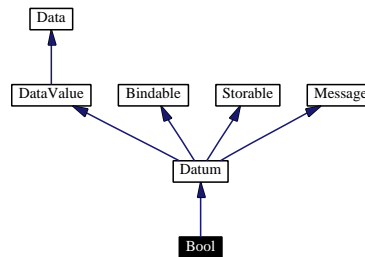
- [BindingsImpl.java](#)

6.14 Bool Interface Reference

Inheritance diagram for Bool:



Collaboration diagram for Bool:



Public Methods

- boolean [booleanValue](#) ()
- Bool [not](#) ()

6.14.1 Member Function Documentation

6.14.1.1 boolean Bool::booleanValue ()

Reimplemented in [BoolImpl](#).

6.14.1.2 Bool Bool::not ()

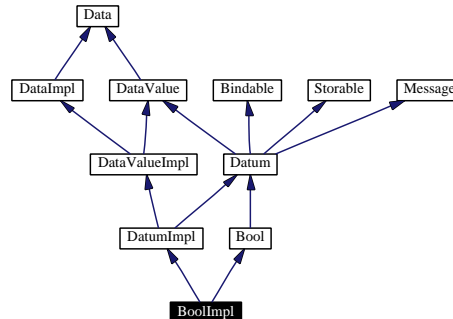
Reimplemented in [BoolImpl](#).

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

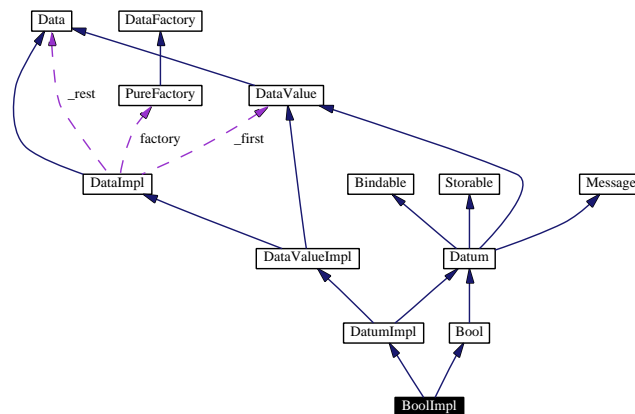
- [Bool.java](#)

6.15 BoolImpl Class Reference

Inheritance diagram for BoolImpl:



Collaboration diagram for BoolImpl:



Public Methods

- boolean `booleanValue ()`
- `Bool not ()`
- `Empty equals (Data data)` throws `Exceptional`

6.15.1 Member Function Documentation

6.15.1.1 boolean BoolImpl::booleanValue ()

Reimplemented from Bool.

Definition at line 17 of file BoolImpl.java.

6.15.1.2 Empty BoolImpl::equals (Data data)

Reimplemented from [DataValueImpl](#).

Definition at line 25 of file BoolImpl.java.

6.15.1.3 [Bool](#) BoolImpl::not ()

Reimplemented from [Bool](#).

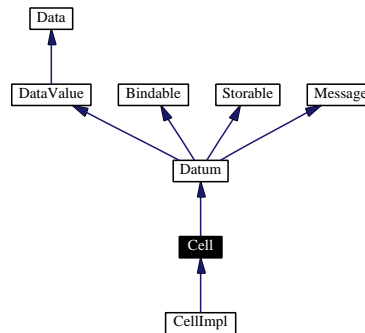
Definition at line 21 of file BoolImpl.java.

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

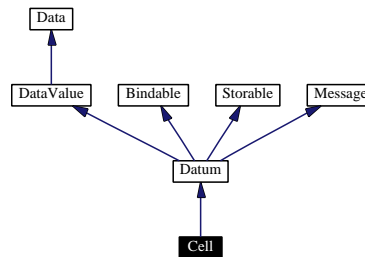
- [BoolImpl.java](#)

6.16 Cell Interface Reference

Inheritance diagram for Cell:



Collaboration diagram for Cell:

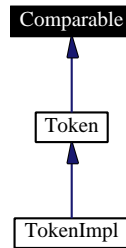


The documentation for this interface was generated from the following file:

- [Cell.java](#)

6.18 Comparable Class Reference

Inheritance diagram for Comparable:

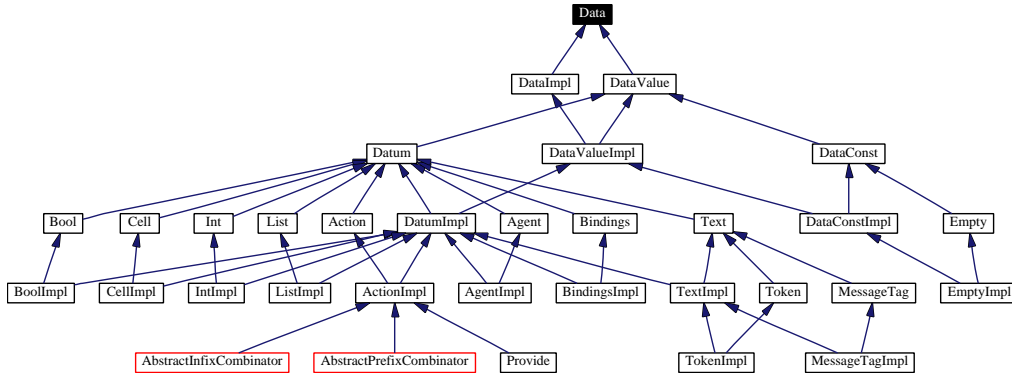


The documentation for this class was generated from the following file:

- [Token.java](#)

6.19 Data Interface Reference

Inheritance diagram for Data:



Public Methods

- Data [concat](#) (Data data)
- List [tupleToList](#) ()
- DataValue [first](#) () throws [Exceptional](#)
- Data [rest](#) ()
- DataValue [at](#) (int n) throws [Exceptional](#)
- Action [provide](#) ()

6.19.1 Member Function Documentation

6.19.1.1 DataValue Data::at (int n)

Reimplemented in [DataImpl](#), [DataValueImpl](#), and [EmptyImpl](#).

Referenced by [DataImpl::at\(\)](#).

6.19.1.2 Data Data::concat (Data data)

Reimplemented in [DataImpl](#), [DataValueImpl](#), and [EmptyImpl](#).

Referenced by [DataImpl::concat\(\)](#).

6.19.1.3 DataValue Data::first ()

Reimplemented in [DataImpl](#), [DataValueImpl](#), and [EmptyImpl](#).

6.19.1.4 Action Data::provide ()

Reimplemented in [DataImpl](#).

6.19.1.5 Data Data::rest ()

Reimplemented in [DataImpl](#), and [DataValueImpl](#).

6.19.1.6 List Data::tupleToList ()

Reimplemented in [DataImpl](#), [DataValueImpl](#), and [EmptyImpl](#).

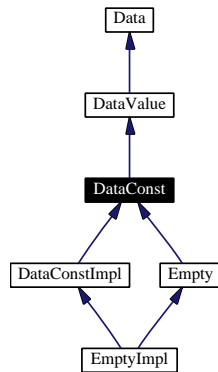
Referenced by [DataImpl::tupleToList\(\)](#).

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

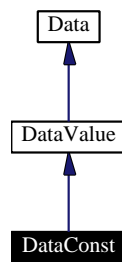
- [Data.java](#)

6.20 DataConst Interface Reference

Inheritance diagram for DataConst:



Collaboration diagram for DataConst:

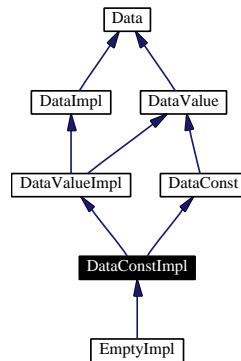


The documentation for this interface was generated from the following file:

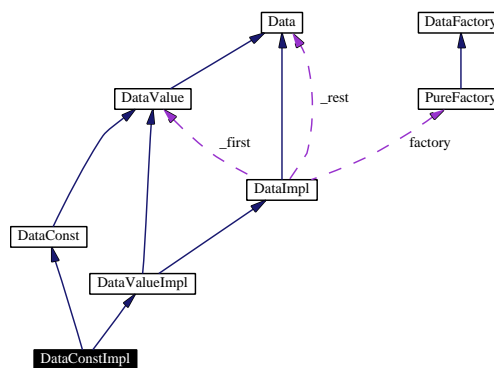
- [DataConst.java](#)

6.21 DataConstImpl Class Reference

Inheritance diagram for DataConstImpl:



Collaboration diagram for DataConstImpl:



Protected Methods

- [DataConstImpl](#) ([PureFactory](#) factory)

6.21.1 Constructor & Destructor Documentation

6.21.1.1 DataConstImpl::DataConstImpl ([PureFactory](#) factory) [protected]

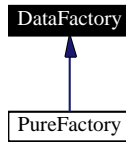
Definition at line 9 of file `DataConstImpl.java`.

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

- [DataConstImpl.java](#)

6.22 DataFactory Interface Reference

Inheritance diagram for DataFactory:



Public Methods

- [Empty](#) `makeEmpty ()`
- [Data](#) `makeTuple (DataValue dataValue, Data data)`
- [Int](#) `makeInt (long n)`
- [Token](#) `makeToken (String s)`
- [Bool](#) `makeBool (boolean b)`
- [MessageTag](#) `makeMessageTag (String s)`
- [List](#) `makeList1 (DataValue dataValue)`
- [List](#) `makeList0 ()`
- [Action](#) `makeAction (Enactable enactable)`
- [Bindings](#) `makeNoBindings ()`
- [Bindings](#) `makeBindings (Token token, Bindable bindable)`
- [Agent](#) `makeAgent ()`
- [Cell](#) `makeCell ()`

6.22.1 Member Function Documentation

6.22.1.1 [Action](#) DataFactory::makeAction ([Enactable](#) *enactable*)

Reimplemented in [PureFactory](#).

6.22.1.2 [Agent](#) DataFactory::makeAgent ()

Reimplemented in [PureFactory](#).

Referenced by `Schedule::activate()`.

6.22.1.3 [Bindings](#) DataFactory::makeBindings ([Token](#) *token*, [Bindable](#) *bindable*)

Reimplemented in [PureFactory](#).

6.22.1.4 [Bool](#) DataFactory::makeBool (boolean *b*)

Reimplemented in [PureFactory](#).

6.22.1.5 [Cell](#) DataFactory::makeCell ()

Reimplemented in [PureFactory](#).

Referenced by Store::create().

6.22.1.6 [Empty](#) DataFactory::makeEmpty ()

Reimplemented in [PureFactory](#).

Referenced by Schedule::deactivate(), TaggedBuffers::dequeue(), Store::destroy(), Store::inspect(), Schedule::receive(), Schedule::send(), and Store::update().

6.22.1.7 [Int](#) DataFactory::makeInt (long *n*)

Reimplemented in [PureFactory](#).

Referenced by Schedule::chooseNatural(), and Schedule::currentTime().

6.22.1.8 [List](#) DataFactory::makeList0 ()

Reimplemented in [PureFactory](#).

6.22.1.9 [List](#) DataFactory::makeList1 ([DataValue](#) *dataValue*)

Reimplemented in [PureFactory](#).

6.22.1.10 [MessageTag](#) DataFactory::makeMessageTag (String *s*)

Reimplemented in [PureFactory](#).

6.22.1.11 [Bindings](#) DataFactory::makeNoBindings ()

Reimplemented in [PureFactory](#).

6.22.1.12 [Token](#) DataFactory::makeToken (String *s*)

Reimplemented in [PureFactory](#).

6.22.1.13 [Data](#) DataFactory::makeTuple ([DataValue](#) *dataValue*, [Data](#) *data*)

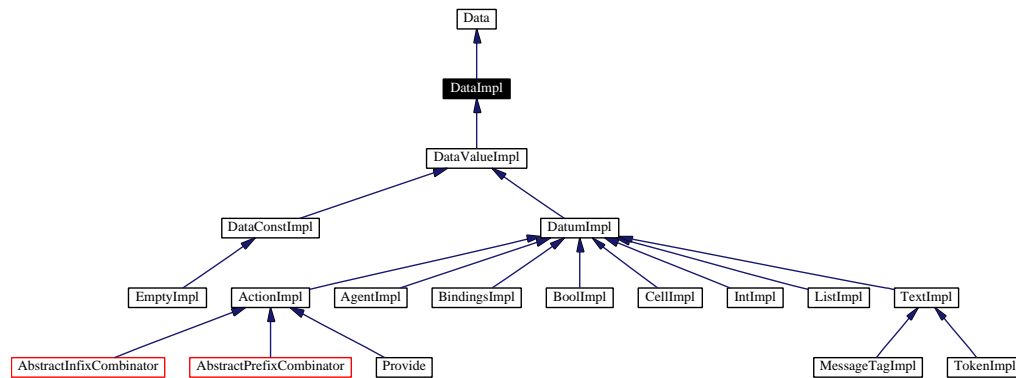
Reimplemented in [PureFactory](#).

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

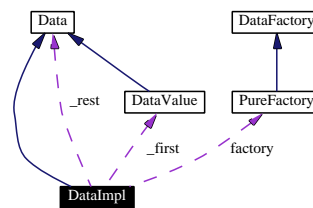
- [DataFactory.java](#)

6.23 DataImpl Class Reference

Inheritance diagram for DataImpl:



Collaboration diagram for DataImpl:



Public Methods

- [Data concat](#) ([Data](#) data)
- [List tupleToList](#) ()
- [DataValue first](#) () throws [Exceptional](#)
- [Data rest](#) ()
- [DataValue at](#) (int n) throws [Exceptional](#)
- [Action provide](#) ()
- String [toString](#) ()

Protected Methods

- [DataImpl](#) ([PureFactory](#) factory, [DataValue](#) first, [Data](#) rest)
- [DataImpl](#) ([PureFactory](#) factory)

Protected Attributes

- [DataValue _first](#)
- [Data _rest](#)

6.23.1 Constructor & Destructor Documentation

6.23.1.1 **DataImpl::DataImpl** (**PureFactory** *factory*, **DataValue** *first*, **Data** *rest*) [protected]

Definition at line 12 of file DataImpl.java.

6.23.1.2 **DataImpl::DataImpl** (**PureFactory** *factory*) [protected]

Definition at line 18 of file DataImpl.java.

6.23.2 Member Function Documentation

6.23.2.1 **DataValue** **DataImpl::at** (int *n*)

Reimplemented from [Data](#).

Reimplemented in [DataValueImpl](#), and [EmptyImpl](#).

Definition at line 40 of file DataImpl.java.

6.23.2.2 **Data** **DataImpl::concat** (**Data** *data*)

Reimplemented from [Data](#).

Reimplemented in [DataValueImpl](#), and [EmptyImpl](#).

Definition at line 24 of file DataImpl.java.

6.23.2.3 **DataValue** **DataImpl::first** ()

Reimplemented from [Data](#).

Reimplemented in [DataValueImpl](#), and [EmptyImpl](#).

Definition at line 32 of file DataImpl.java.

6.23.2.4 **Action** **DataImpl::provide** ()

Reimplemented from [Data](#).

Definition at line 46 of file DataImpl.java.

6.23.2.5 **Data** **DataImpl::rest** ()

Reimplemented from [Data](#).

Reimplemented in [DataValueImpl](#).

Definition at line 36 of file DataImpl.java.

6.23.2.6 **String** **DataImpl::toString** ()

Reimplemented in [BindingsImpl](#), [CellImpl](#), [EmptyImpl](#), [IntImpl](#), [ListImpl](#), and [TokenImpl](#).

Definition at line 50 of file DataImpl.java.

6.23.2.7 [List](#) DataImpl::tupleToList ()

Reimplemented from [Data](#).

Reimplemented in [DataValueImpl](#), and [EmptyImpl](#).

Definition at line 28 of file DataImpl.java.

6.23.3 Member Data Documentation

6.23.3.1 [DataValue](#) DataImpl::_first [protected]

Definition at line 9 of file DataImpl.java.

6.23.3.2 [Data](#) DataImpl::_rest [protected]

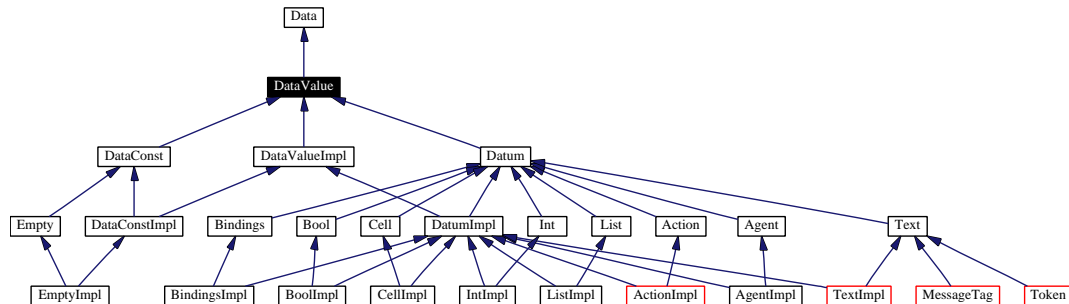
Definition at line 10 of file DataImpl.java.

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

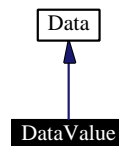
- [DataImpl.java](#)

6.24 DataValue Interface Reference

Inheritance diagram for DataValue:



Collaboration diagram for DataValue:



Public Methods

- [Empty equals \(Data data\)](#) throws [Exceptional](#)

6.24.1 Member Function Documentation

6.24.1.1 [Empty](#) DataValue::equals ([Data](#) data)

Reimplemented in [ActionImpl](#), [BoolImpl](#), [DataValueImpl](#), [IntImpl](#), [ListImpl](#), and [TextImpl](#).

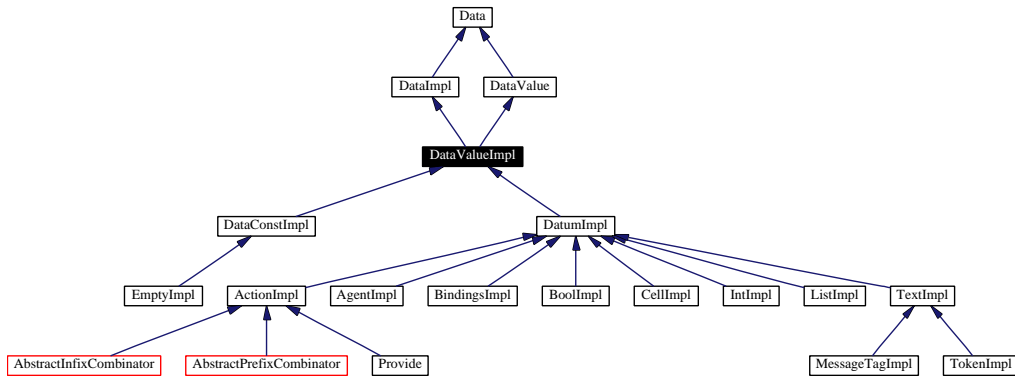
Referenced by [ListImpl::equals\(\)](#).

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

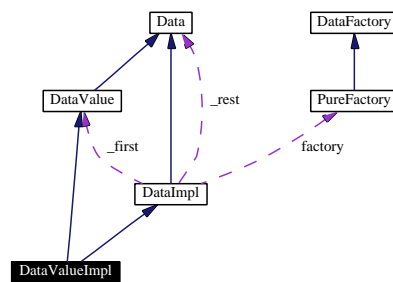
- [DataValue.java](#)

6.25 DataValueImpl Class Reference

Inheritance diagram for DataValueImpl:



Collaboration diagram for DataValueImpl:



Public Methods

- `DataValue first ()` throws `Exceptional`
- `Data rest ()`
- `List tupleToList ()`
- `Data concat (Data data)`
- `DataValue at (int n)` throws `Exceptional`
- `Empty equals (Data data)` throws `Exceptional`

Protected Methods

- `DataValueImpl (PureFactory factory)`

6.25.1 Constructor & Destructor Documentation

6.25.1.1 DataValueImpl::DataValueImpl (`PureFactory` factory) [protected]

Definition at line 9 of file DataValueImpl.java.

6.25.2 Member Function Documentation

6.25.2.1 **DataValue** `DataValueImpl::at (int n)`

Reimplemented from [DataImpl](#).

Reimplemented in [EmptyImpl](#).

Definition at line 27 of file `DataValueImpl.java`.

6.25.2.2 **Data** `DataValueImpl::concat (Data data)`

Reimplemented from [DataImpl](#).

Reimplemented in [EmptyImpl](#).

Definition at line 23 of file `DataValueImpl.java`.

6.25.2.3 **Empty** `DataValueImpl::equals (Data data)`

Reimplemented from [DataValue](#).

Reimplemented in [ActionImpl](#), [BoolImpl](#), [IntImpl](#), [ListImpl](#), and [TextImpl](#).

Definition at line 37 of file `DataValueImpl.java`.

6.25.2.4 **DataValue** `DataValueImpl::first ()`

Reimplemented from [DataImpl](#).

Reimplemented in [EmptyImpl](#).

Definition at line 12 of file `DataValueImpl.java`.

6.25.2.5 **Data** `DataValueImpl::rest ()`

Reimplemented from [DataImpl](#).

Definition at line 15 of file `DataValueImpl.java`.

6.25.2.6 **List** `DataValueImpl::tupleToList ()`

Reimplemented from [DataImpl](#).

Reimplemented in [EmptyImpl](#).

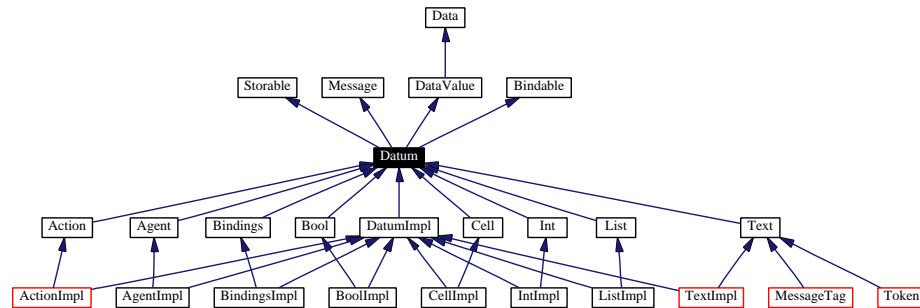
Definition at line 19 of file `DataValueImpl.java`.

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

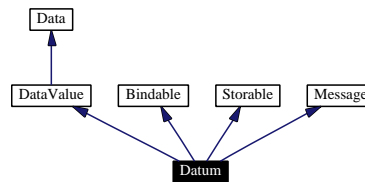
- [DataValueImpl.java](#)

6.26 Datum Interface Reference

Inheritance diagram for Datum:



Collaboration diagram for Datum:

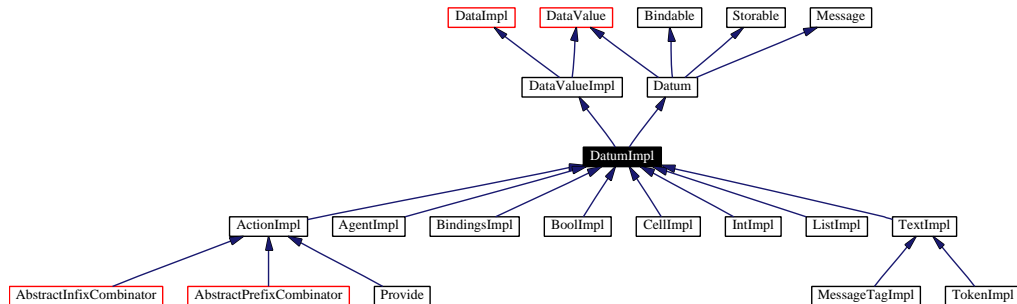


The documentation for this interface was generated from the following file:

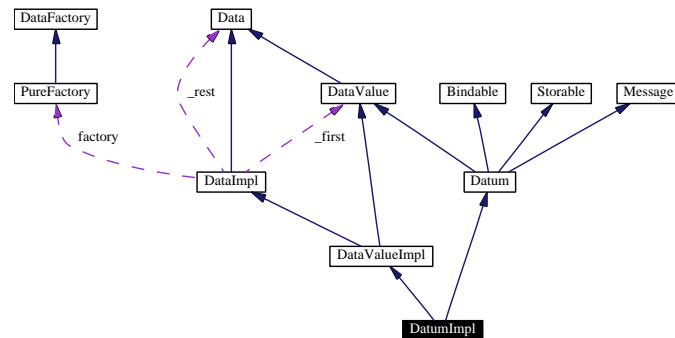
- [Datum.java](#)

6.27 DatumImpl Class Reference

Inheritance diagram for DatumImpl:



Collaboration diagram for DatumImpl:



Protected Methods

- [DatumImpl](#) ([PureFactory](#) factory)

6.27.1 Constructor & Destructor Documentation

6.27.1.1 DatumImpl::DatumImpl ([PureFactory](#) factory) [protected]

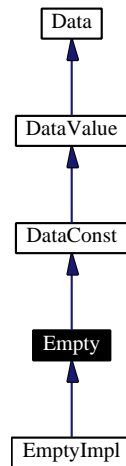
Definition at line 8 of file DatumImpl.java.

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

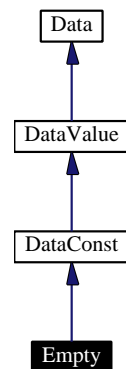
- [DatumImpl.java](#)

6.28 Empty Interface Reference

Inheritance diagram for Empty:



Collaboration diagram for Empty:

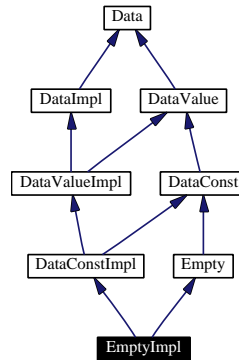


The documentation for this interface was generated from the following file:

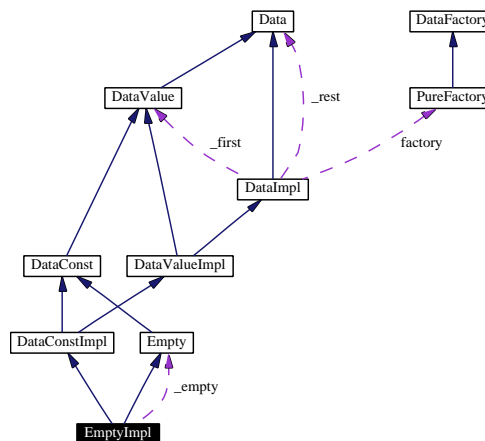
- [Empty.java](#)

6.29 EmptyImpl Class Reference

Inheritance diagram for EmptyImpl:



Collaboration diagram for EmptyImpl:



Public Methods

- `DataValue` `at` (int *n*) throws `Exceptional`
- `DataValue` `first` () throws `Exceptional`
- `Data` `concat` (`Data` *data*)
- `List` `tupleToList` ()
- `String` `toString` ()

6.29.1 Member Function Documentation

6.29.1.1 `DataValue` `EmptyImpl::at` (int *n*)

Reimplemented from `DataValueImpl`.

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

6.29.1.2 [Data](#) EmptyImpl::concat ([Data](#) data)

Reimplemented from [DataValueImpl](#).

Definition at line 34 of file EmptyImpl.java.

6.29.1.3 [DataValue](#) EmptyImpl::first ()

Reimplemented from [DataValueImpl](#).

Definition at line 30 of file EmptyImpl.java.

6.29.1.4 [String](#) EmptyImpl::toString ()

Reimplemented from [DataImpl](#).

Definition at line 42 of file EmptyImpl.java.

6.29.1.5 [List](#) EmptyImpl::tupleToList ()

Reimplemented from [DataValueImpl](#).

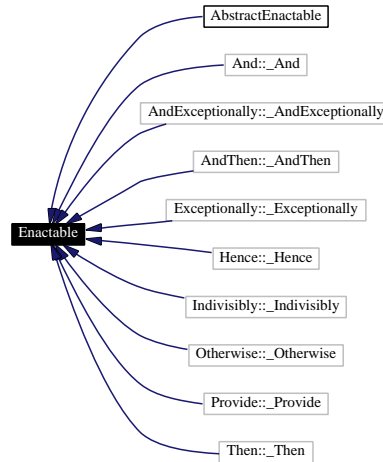
Definition at line 38 of file EmptyImpl.java.

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

- [EmptyImpl.java](#)

6.30 Enactable Interface Reference

Inheritance diagram for Enactable:



Public Methods

- [Data enact](#) ([Data](#) data, [Bindings](#) bindings) throws [Exceptional](#), [Failed](#), [Unfold](#)

6.30.1 Member Function Documentation

6.30.1.1 [Data](#) Enactable::enact ([Data](#) data, [Bindings](#) bindings)

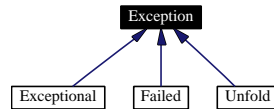
Referenced by [Indivisibly::enact\(\)](#), [Hence::enact\(\)](#), [Otherwise::enact\(\)](#), [AndExceptionally::enact\(\)](#), [Exceptionally::enact\(\)](#), [And::enact\(\)](#), [AndThen::enact\(\)](#), [Then::enact\(\)](#), and [ActionImpl::enact\(\)](#).

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

- [Enactable.java](#)

6.31 Exception Class Reference

Inheritance diagram for Exception:

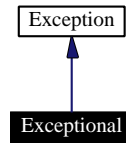


The documentation for this class was generated from the following file:

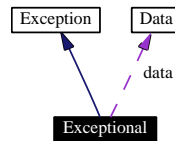
- [Exceptional.java](#)

6.32 Exceptional Class Reference

Inheritance diagram for Exceptional:



Collaboration diagram for Exceptional:



Public Methods

- [Data](#) `getData ()`
- [Exceptional](#) ([Data](#) data)
- [Exceptional](#) (String s, [Data](#) data)

6.32.1 Constructor & Destructor Documentation

6.32.1.1 [Exceptional::Exceptional](#) ([Data](#) data)

Definition at line 13 of file [Exceptional.java](#).

6.32.1.2 [Exceptional::Exceptional](#) (String s, [Data](#) data)

Definition at line 19 of file [Exceptional.java](#).

6.32.2 Member Function Documentation

6.32.2.1 [Data](#) [Exceptional::getData](#) ()

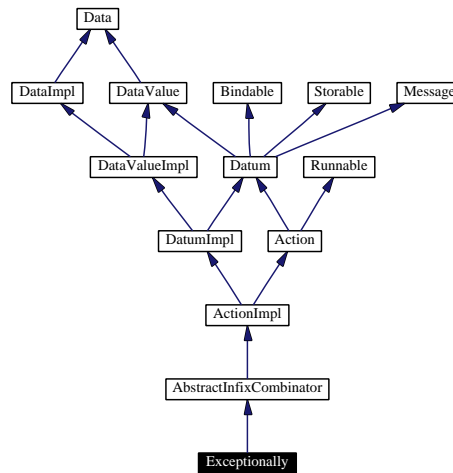
Definition at line 9 of file [Exceptional.java](#).

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

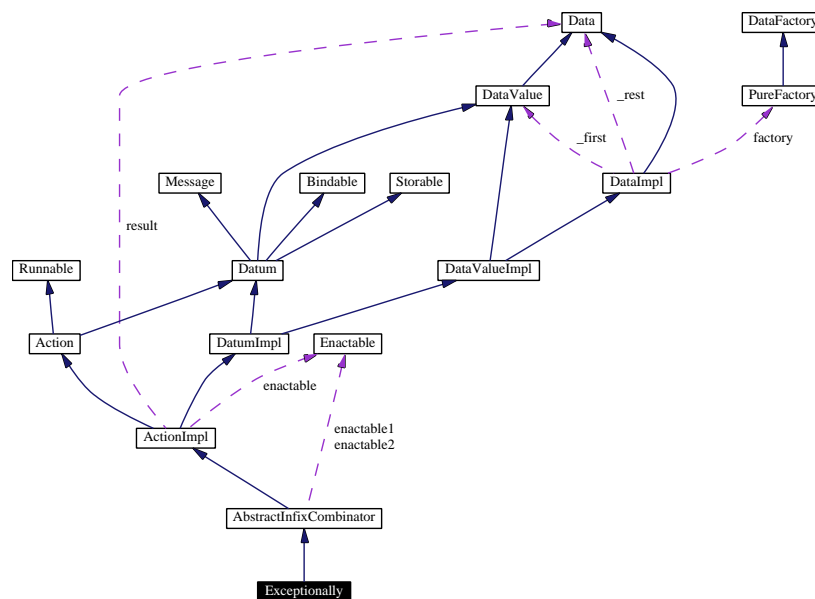
- [Exceptional.java](#)

6.33 Exceptionally Class Reference

Inheritance diagram for Exceptionally:



Collaboration diagram for Exceptionally:



Public Methods

- **Exceptionally** (**PureFactory** factory, **Enactable** enactable1, **Enactable** enactable2)
- **Data** enact (**Data** data, **Bindings** bindings) throws **Exceptional**, **Failed**
- **Exceptionally** (**PureFactory** factory, **Enactable** enactable1, **Enactable** enactable2)

6.33.1 Constructor & Destructor Documentation

6.33.1.1 Exceptionally::Exceptionally ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 95 of file AbstractAction.java.

6.33.1.2 Exceptionally::Exceptionally ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 130 of file ActionImpl.java.

6.33.2 Member Function Documentation

6.33.2.1 [Data](#) Exceptionally::enact ([Data](#) *data*, [Bindings](#) *bindings*)

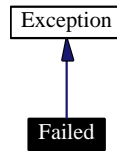
Definition at line 98 of file AbstractAction.java.

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

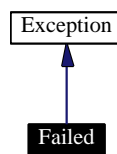
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.34 Failed Class Reference

Inheritance diagram for Failed:



Collaboration diagram for Failed:



Public Methods

- [Failed \(\)](#)

6.34.1 Constructor & Destructor Documentation

6.34.1.1 Failed::Failed ()

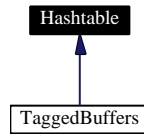
Definition at line 5 of file Failed.java.

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

- [Failed.java](#)

6.35 Hashtable Class Reference

Inheritance diagram for Hashtable:

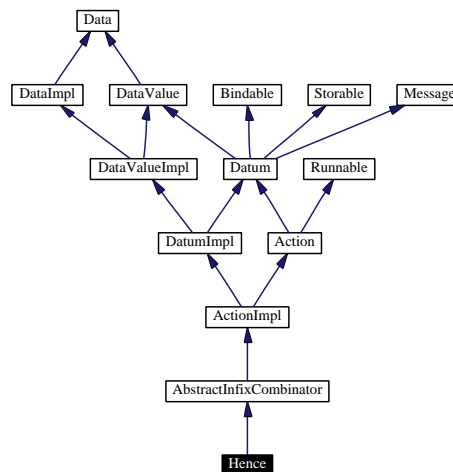


The documentation for this class was generated from the following file:

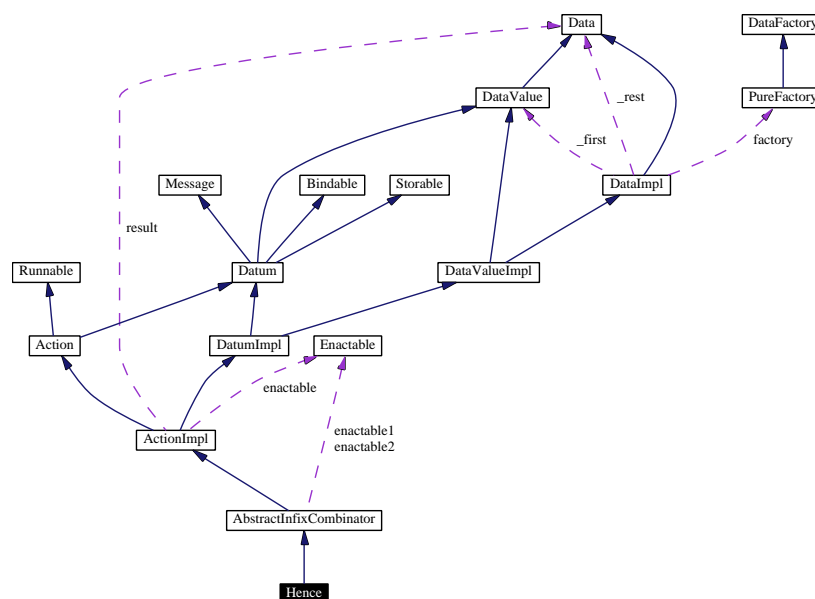
- [TaggedBuffers.java](#)

6.36 Hence Class Reference

Inheritance diagram for Hence:



Collaboration diagram for Hence:



Public Methods

- [Hence](#) ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)
- [Data](#) enact ([Data](#) data, [Bindings](#) bindings) throws [Exceptional](#), [Failed](#)
- [Hence](#) ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)

6.36.1 Constructor & Destructor Documentation

6.36.1.1 Hence::Hence ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 145 of file AbstractAction.java.

6.36.1.2 Hence::Hence ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 183 of file ActionImpl.java.

6.36.2 Member Function Documentation

6.36.2.1 [Data](#) Hence::enact ([Data](#) *data*, [Bindings](#) *bindings*)

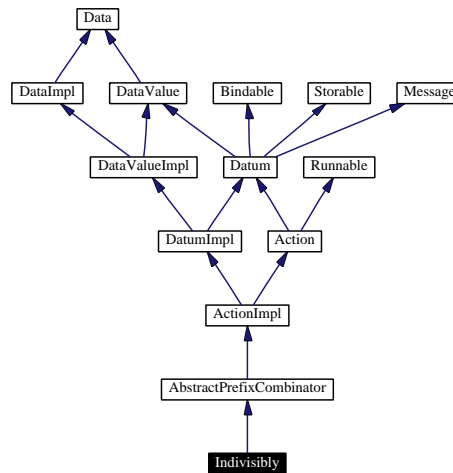
Definition at line 148 of file AbstractAction.java.

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

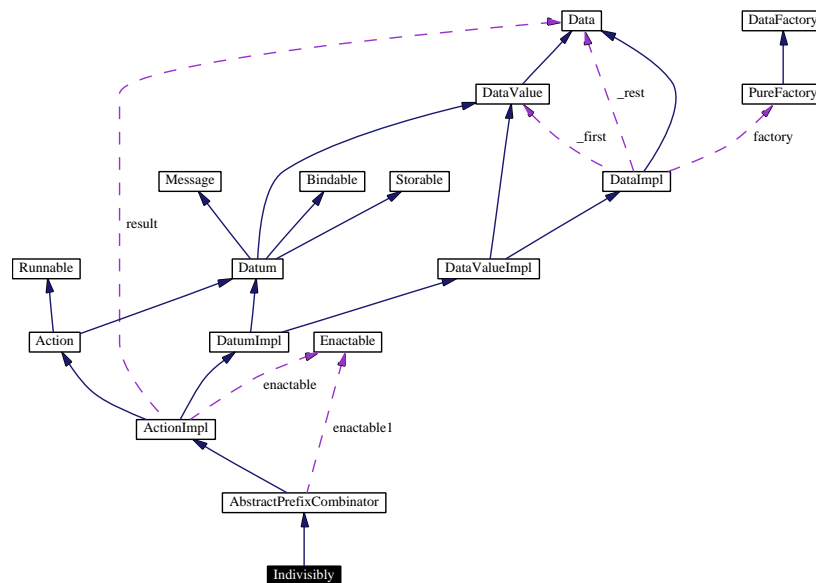
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.37 Indivisibly Class Reference

Inheritance diagram for Indivisibly:



Collaboration diagram for Indivisibly:



Public Methods

- **Indivisibly** (**PureFactory** factory, **Enactable** action)
- **Data enact** (**Data** data, **Bindings** bindings) throws **Exceptional**, **Failed**
- **Indivisibly** (**PureFactory** factory, **Enactable** enactable1)

6.37.1 Constructor & Destructor Documentation

6.37.1.1 Indivisibly::Indivisibly ([PureFactory](#) *factory*, [Enactable](#) *enactable1*)

Definition at line 156 of file AbstractAction.java.

6.37.1.2 Indivisibly::Indivisibly ([PureFactory](#) *factory*, [Enactable](#) *enactable1*)

Definition at line 198 of file ActionImpl.java.

6.37.2 Member Function Documentation

6.37.2.1 [Data](#) Indivisibly::enact ([Data](#) *data*, [Bindings](#) *bindings*)

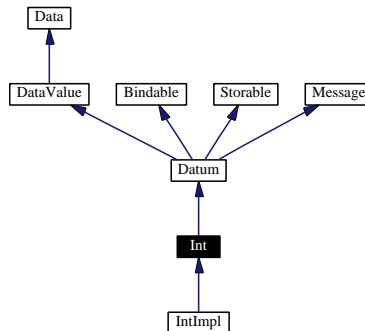
Definition at line 159 of file AbstractAction.java.

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

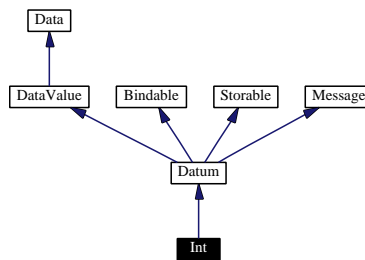
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.38 Int Interface Reference

Inheritance diagram for Int:



Collaboration diagram for Int:



Public Methods

- long [intValue](#) ()
- Int [plus](#) (Int n)
- Int [minus](#) (Int n)
- Int [monus](#) (Int n)
- Int [times](#) (Int n)
- Empty [greater](#) (Int n) throws [Exceptional](#)
- Empty [greaterOrEq](#) (Int n) throws [Exceptional](#)
- Empty [less](#) (Int n) throws [Exceptional](#)
- Empty [lessOrEq](#) (Int n) throws [Exceptional](#)

6.38.1 Member Function Documentation

6.38.1.1 Empty Int::greater (Int n)

Reimplemented in [IntImpl](#).

6.38.1.2 Empty Int::greaterOrEq (Int n)

Reimplemented in [IntImpl](#).

6.38.1.3 long Int::intValue ()

Reimplemented in [IntImpl](#).

Referenced by [IntImpl::greater\(\)](#), [IntImpl::greaterOrEq\(\)](#), [IntImpl::less\(\)](#), [IntImpl::lessOrEq\(\)](#), [IntImpl::minus\(\)](#), [IntImpl::monus\(\)](#), [IntImpl::plus\(\)](#), and [IntImpl::times\(\)](#).

6.38.1.4 Empty Int::less (Int *n*)

Reimplemented in [IntImpl](#).

6.38.1.5 Empty Int::lessOrEq (Int *n*)

Reimplemented in [IntImpl](#).

6.38.1.6 Int Int::minus (Int *n*)

Reimplemented in [IntImpl](#).

6.38.1.7 Int Int::monus (Int *n*)

Reimplemented in [IntImpl](#).

6.38.1.8 Int Int::plus (Int *n*)

Reimplemented in [IntImpl](#).

6.38.1.9 Int Int::times (Int *n*)

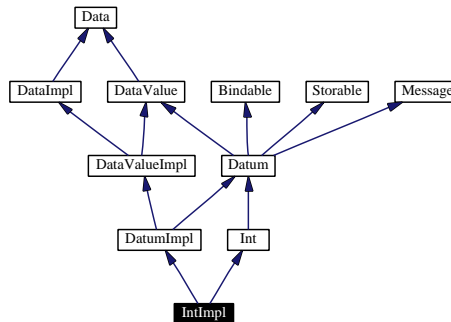
Reimplemented in [IntImpl](#).

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

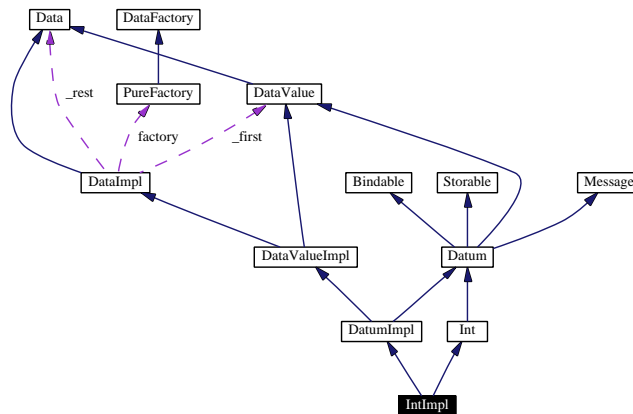
- [Int.java](#)

6.39 IntImpl Class Reference

Inheritance diagram for IntImpl:



Collaboration diagram for IntImpl:



Public Methods

- long [intValue](#) ()
- [Int plus](#) ([Int](#) n)
- [Int minus](#) ([Int](#) n)
- [Int monus](#) ([Int](#) n)
- [Int times](#) ([Int](#) n)
- [Empty greater](#) ([Int](#) n) throws [Exceptional](#)
- [Empty greaterOrEq](#) ([Int](#) n) throws [Exceptional](#)
- [Empty less](#) ([Int](#) n) throws [Exceptional](#)
- [Empty lessOrEq](#) ([Int](#) n) throws [Exceptional](#)
- [Empty equals](#) ([Data](#) data) throws [Exceptional](#)
- String [toString](#) ()

Protected Methods

- [IntImpl](#) ([PureFactory](#) factory, long value)

6.39.1 Constructor & Destructor Documentation

6.39.1.1 `IntImpl::IntImpl (PureFactory factory, long value)` [protected]

Definition at line 10 of file `IntImpl.java`.

6.39.2 Member Function Documentation

6.39.2.1 `Empty IntImpl::equals (Data data)`

Reimplemented from `DataValueImpl`.

Definition at line 56 of file `IntImpl.java`.

6.39.2.2 `Empty IntImpl::greater (Int n)`

Reimplemented from `Int`.

Definition at line 35 of file `IntImpl.java`.

6.39.2.3 `Empty IntImpl::greaterOrEq (Int n)`

Reimplemented from `Int`.

Definition at line 40 of file `IntImpl.java`.

6.39.2.4 `long IntImpl::intValue ()`

Reimplemented from `Int`.

Definition at line 16 of file `IntImpl.java`.

6.39.2.5 `Empty IntImpl::less (Int n)`

Reimplemented from `Int`.

Definition at line 45 of file `IntImpl.java`.

6.39.2.6 `Empty IntImpl::lessOrEq (Int n)`

Reimplemented from `Int`.

Definition at line 50 of file `IntImpl.java`.

6.39.2.7 `Int IntImpl::minus (Int n)`

Reimplemented from `Int`.

Definition at line 23 of file `IntImpl.java`.

6.39.2.8 [Int](#) IntImpl::monus ([Int](#) *n*)

Reimplemented from [Int](#).

Definition at line 26 of file IntImpl.java.

6.39.2.9 [Int](#) IntImpl::plus ([Int](#) *n*)

Reimplemented from [Int](#).

Definition at line 20 of file IntImpl.java.

6.39.2.10 [Int](#) IntImpl::times ([Int](#) *n*)

Reimplemented from [Int](#).

Definition at line 31 of file IntImpl.java.

6.39.2.11 [String](#) IntImpl::toString ()

Reimplemented from [DataImpl](#).

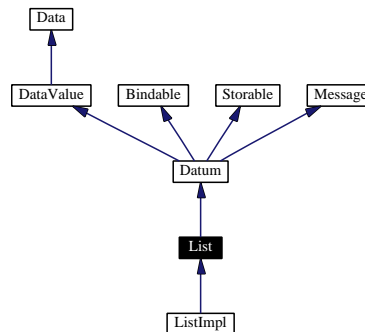
Definition at line 63 of file IntImpl.java.

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

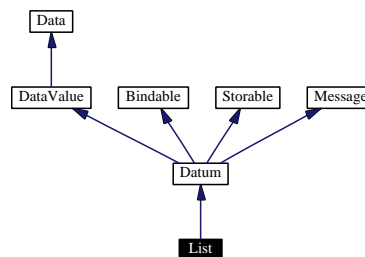
- [IntImpl.java](#)

6.40 List Interface Reference

Inheritance diagram for List:



Collaboration diagram for List:



Public Methods

- **DataValue** [head](#) () throws [Exceptional](#)
- **List** [tail](#) ()
- **List** [insert](#) ([DataValue](#) dataValue)
- **List** [append](#) ([DataValue](#) dataValue)
- **List** [concat](#) (**List** list)

6.40.1 Member Function Documentation

6.40.1.1 **List** **List::append** ([DataValue](#) dataValue)

Reimplemented in [ListImpl](#).

Referenced by [ListImpl::append\(\)](#).

6.40.1.2 **List** **List::concat** (**List** list)

Reimplemented in [ListImpl](#).

Referenced by [ListImpl::concat\(\)](#).

6.40.1.3 [DataValue](#) List::head ()

Reimplemented in [ListImpl](#).

6.40.1.4 List List::insert ([DataValue](#) *dataValue*)

Reimplemented in [ListImpl](#).

Referenced by `DataImpl::tupleToList()`.

6.40.1.5 List List::tail ()

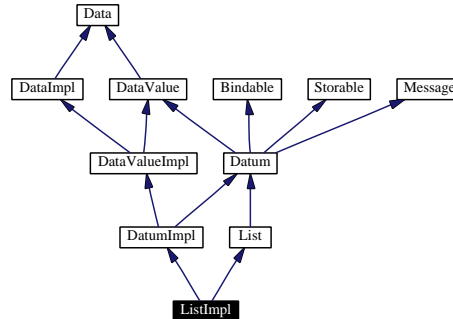
Reimplemented in [ListImpl](#).

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

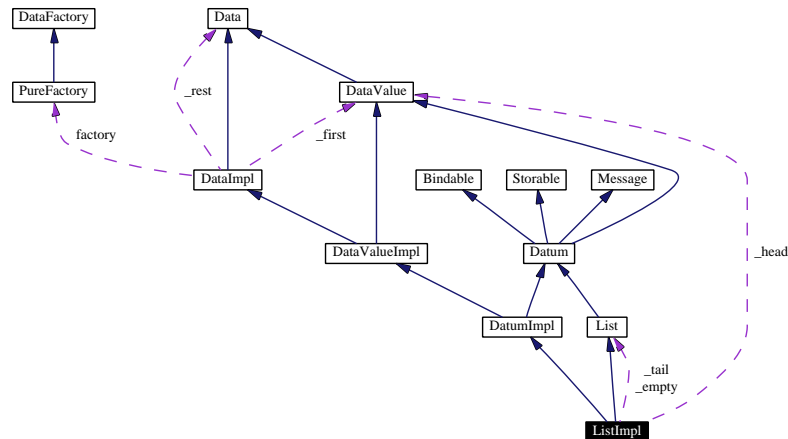
- [List.java](#)

6.41 ListImpl Class Reference

Inheritance diagram for ListImpl:



Collaboration diagram for ListImpl:



Public Methods

- [DataValue head \(\)](#) throws [Exceptional](#)
- [List tail \(\)](#)
- [List insert \(DataValue dataValue\)](#)
- [List append \(DataValue dataValue\)](#)
- [List concat \(List list\)](#)
- [Empty equals \(Data data\)](#) throws [Exceptional](#)
- [String toString \(\)](#)

6.41.1 Member Function Documentation

6.41.1.1 [List](#) ListImpl::append ([DataValue](#) dataValue)

Reimplemented from [List](#).

Definition at line 54 of file ListImpl.java.

6.41.1.2 List ListImpl::concat (List *list*)

Reimplemented from [List](#).

Definition at line 60 of file ListImpl.java.

6.41.1.3 Empty ListImpl::equals (Data *data*)

Reimplemented from [DataValueImpl](#).

Definition at line 68 of file ListImpl.java.

6.41.1.4 DataValue ListImpl::head ()

Reimplemented from [List](#).

Definition at line 40 of file ListImpl.java.

6.41.1.5 List ListImpl::insert (DataValue *dataValue*)

Reimplemented from [List](#).

Definition at line 50 of file ListImpl.java.

6.41.1.6 List ListImpl::tail ()

Reimplemented from [List](#).

Definition at line 46 of file ListImpl.java.

6.41.1.7 String ListImpl::toString ()

Reimplemented from [DataImpl](#).

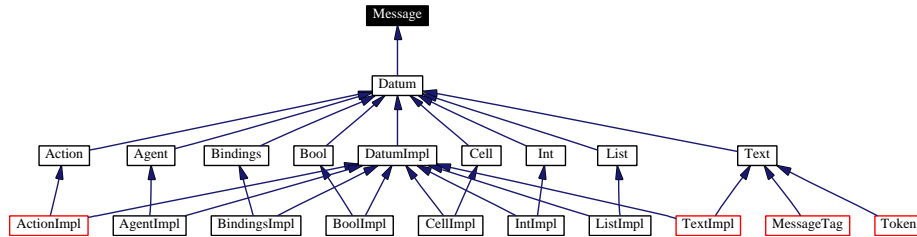
Definition at line 81 of file ListImpl.java.

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

- [ListImpl.java](#)

6.42 Message Interface Reference

Inheritance diagram for Message:

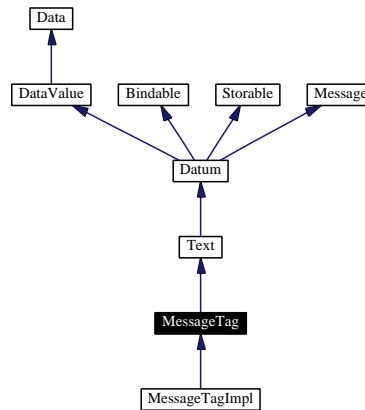


The documentation for this interface was generated from the following file:

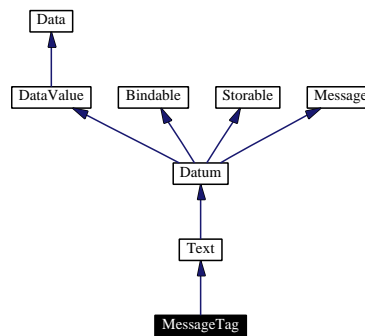
- [Message.java](#)

6.43 MessageTag Interface Reference

Inheritance diagram for MessageTag:



Collaboration diagram for MessageTag:

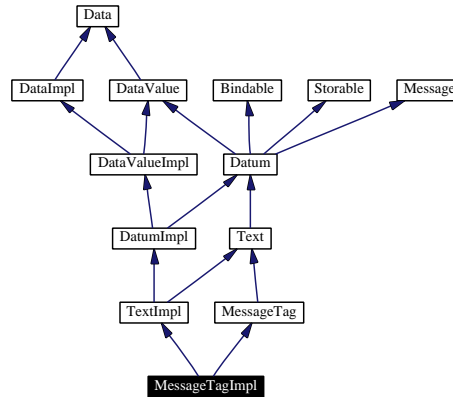


The documentation for this interface was generated from the following file:

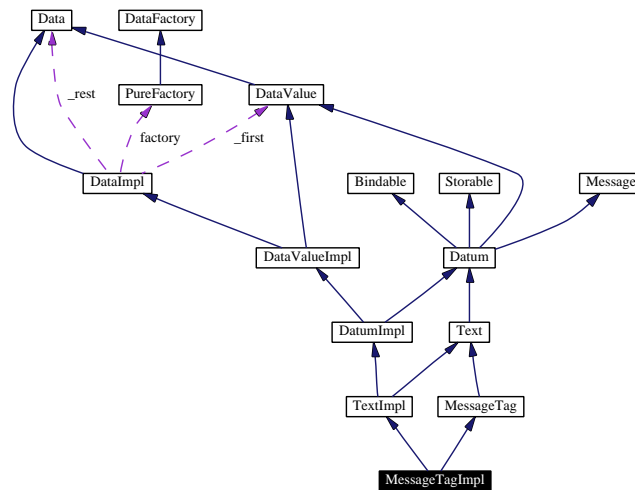
- [MessageTag.java](#)

6.44 MessageTagImpl Class Reference

Inheritance diagram for MessageTagImpl:



Collaboration diagram for MessageTagImpl:

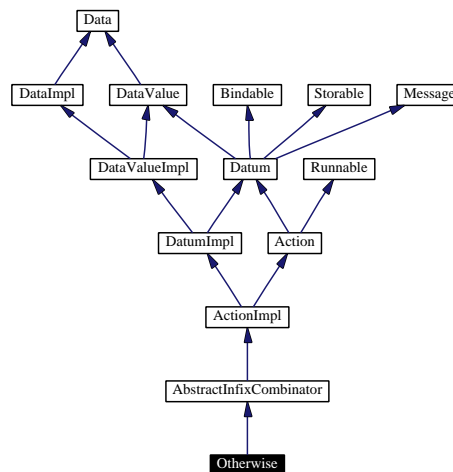


The documentation for this class was generated from the following file:

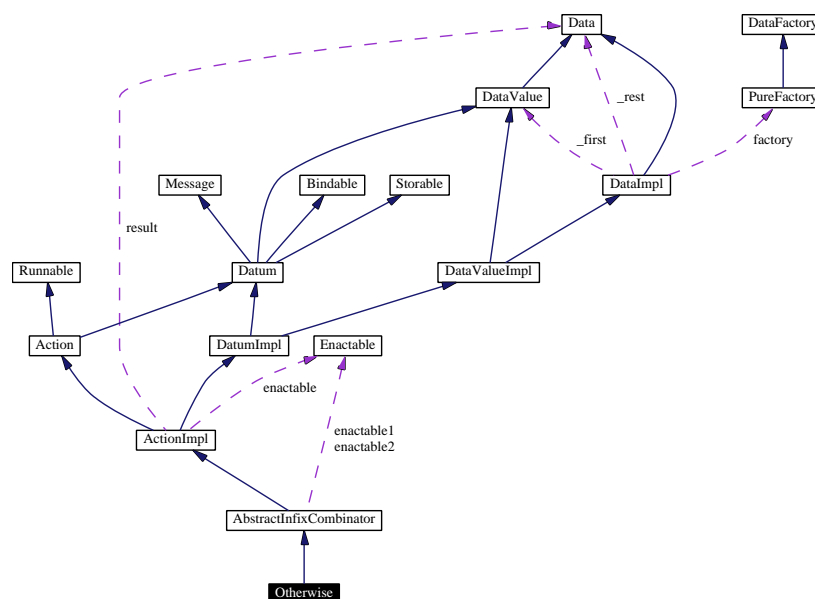
- [MessageTagImpl.java](#)

6.45 Otherwise Class Reference

Inheritance diagram for Otherwise:



Collaboration diagram for Otherwise:



Public Methods

- **Otherwise** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)
- **Data enact** ([Data](#) data, [Bindings](#) bindings) throws [Exceptional](#), [Failed](#)
- **Otherwise** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)

6.45.1 Constructor & Destructor Documentation

6.45.1.1 Otherwise::Otherwise ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 131 of file AbstractAction.java.

6.45.1.2 Otherwise::Otherwise ([PureFactory](#) *factory*, [Enactable](#) *enactable1*, [Enactable](#) *enactable2*)

Definition at line 171 of file ActionImpl.java.

6.45.2 Member Function Documentation

6.45.2.1 [Data](#) Otherwise::enact ([Data](#) *data*, [Bindings](#) *bindings*)

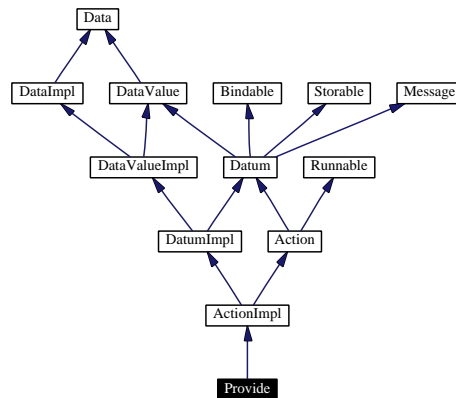
Definition at line 134 of file AbstractAction.java.

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

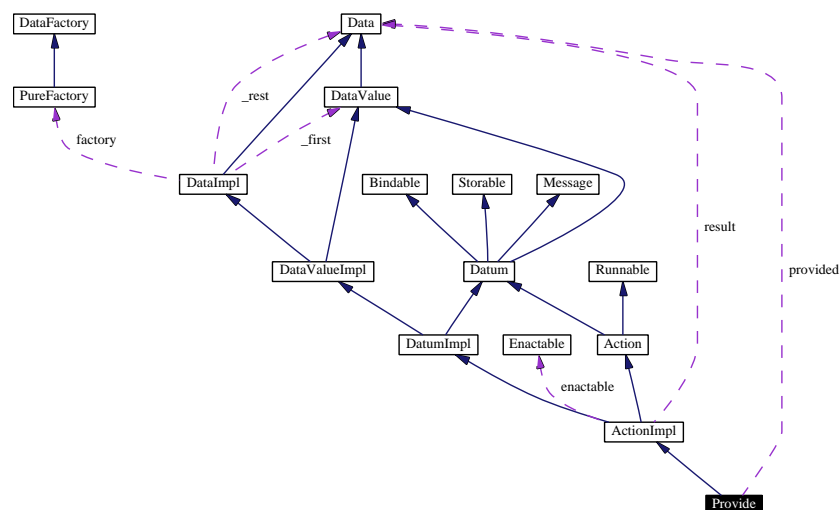
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.46 Provide Class Reference

Inheritance diagram for Provide:



Collaboration diagram for Provide:



Public Methods

- [Provide](#) ([PureFactory](#) factory, [Data](#) data)

6.46.1 Constructor & Destructor Documentation

6.46.1.1 [Provide::Provide](#) ([PureFactory](#) factory, [Data](#) data)

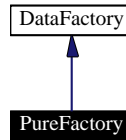
Definition at line 64 of file [DataImpl.java](#).

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

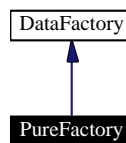
- [DataImpl.java](#)

6.47 PureFactory Class Reference

Inheritance diagram for PureFactory:



Collaboration diagram for PureFactory:



Public Methods

- [PureFactory \(\)](#)
- [Int makeInt \(long n\)](#)
- [Token makeToken \(String s\)](#)
- [Bool makeBool \(boolean b\)](#)
- [MessageTag makeMessageTag \(String s\)](#)
- [List makeList0 \(\)](#)
- [List makeList1 \(DataValue dataValue\)](#)
- [Bindings makeNoBindings \(\)](#)
- [Bindings makeBindings \(Token token, Bindable bindable\)](#)
- [Agent makeAgent \(\)](#)
- [Cell makeCell \(\)](#)
- [Empty makeEmpty \(\)](#)
- [Data makeTuple \(DataValue dataValue, Data data\)](#)
- [Action makeAction \(Enactable enactable\)](#)

6.47.1 Constructor & Destructor Documentation

6.47.1.1 PureFactory::PureFactory ()

Definition at line 9 of file PureFactory.java.

6.47.2 Member Function Documentation

6.47.2.1 Action PureFactory::makeAction ([Enactable](#) enactable)

Reimplemented from [DataFactory](#).

Definition at line 56 of file PureFactory.java.

6.47.2.2 Agent PureFactory::makeAgent ()

Reimplemented from [DataFactory](#).

Definition at line 42 of file PureFactory.java.

6.47.2.3 Bindings PureFactory::makeBindings (Token *token*, Bindable *bindable*)

Reimplemented from [DataFactory](#).

Definition at line 38 of file PureFactory.java.

6.47.2.4 Bool PureFactory::makeBool (boolean *b*)

Reimplemented from [DataFactory](#).

Definition at line 20 of file PureFactory.java.

Referenced by BoolImpl::not().

6.47.2.5 Cell PureFactory::makeCell ()

Reimplemented from [DataFactory](#).

Definition at line 45 of file PureFactory.java.

6.47.2.6 Empty PureFactory::makeEmpty ()

Reimplemented from [DataFactory](#).

Definition at line 48 of file PureFactory.java.

Referenced by EmptyImpl::at(), DataValueImpl::at(), BindingsImpl::bound(), ActionImpl::enact(), TextImpl::equals(), ListImpl::equals(), IntImpl::equals(), DataValueImpl::equals(), BoolImpl::equals(), ActionImpl::equals(), EmptyImpl::first(), IntImpl::greater(), IntImpl::greaterOrEq(), ListImpl::head(), IntImpl::less(), IntImpl::lessOrEq(), and DataValueImpl::rest().

6.47.2.7 Int PureFactory::makeInt (long *n*)

Reimplemented from [DataFactory](#).

Definition at line 14 of file PureFactory.java.

6.47.2.8 List PureFactory::makeList0 ()

Reimplemented from [DataFactory](#).

Definition at line 26 of file PureFactory.java.

Referenced by EmptyImpl::tupleToList().

6.47.2.9 List PureFactory::makeList1 (DataValue *dataValue*)

Reimplemented from [DataFactory](#).

Definition at line 30 of file PureFactory.java.

Referenced by DataValueImpl::tupleToList().

6.47.2.10 [MessageTag](#) PureFactory::makeMessageTag (String *s*)

Reimplemented from [DataFactory](#).

Definition at line 23 of file PureFactory.java.

6.47.2.11 [Bindings](#) PureFactory::makeNoBindings ()

Reimplemented from [DataFactory](#).

Definition at line 34 of file PureFactory.java.

Referenced by ActionImpl::enact().

6.47.2.12 [Token](#) PureFactory::makeToken (String *s*)

Reimplemented from [DataFactory](#).

Definition at line 17 of file PureFactory.java.

6.47.2.13 [Data](#) PureFactory::makeTuple ([DataValue](#) *dataValue*, [Data](#) *data*)

Reimplemented from [DataFactory](#).

Definition at line 52 of file PureFactory.java.

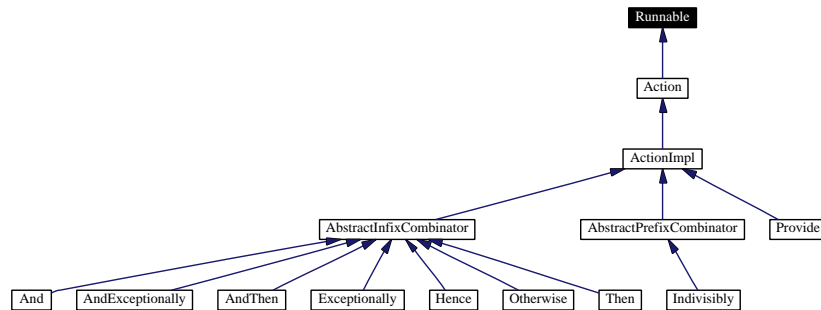
Referenced by DataValueImpl::concat().

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

- [PureFactory.java](#)

6.48 Runnable Class Reference

Inheritance diagram for Runnable:

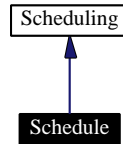


The documentation for this class was generated from the following file:

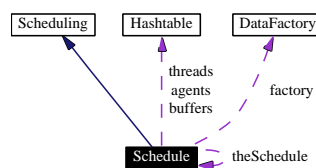
- [Action.java](#)

6.49 Schedule Class Reference

Inheritance diagram for Schedule:



Collaboration diagram for Schedule:



Public Methods

- synchronized [Empty send](#) ([Agent](#) agent, [Message](#) message, [MessageTag](#) messageTag) throws [Exceptional](#)
- synchronized [Message receive](#) ([MessageTag](#) messageTag) throws [Exceptional](#)
- synchronized [Agent activate](#) ([Action](#) action)
- synchronized [Empty deactivate](#) ([Agent](#) agent) throws [Exceptional](#)
- synchronized [Agent currentAgent](#) ()
- [Int currentTime](#) ()
- [Int chooseNatural](#) ()

Static Public Methods

- void [initSchedule](#) ([DataFactory](#) factory)
- [Schedule](#) [getSchedule](#) ()

6.49.1 Member Function Documentation

6.49.1.1 synchronized [Agent](#) [Schedule::activate](#) ([Action](#) action)

Reimplemented from [Scheduling](#).

Definition at line 60 of file [Schedule.java](#).

6.49.1.2 [Int](#) [Schedule::chooseNatural](#) ()

Reimplemented from [Scheduling](#).

Definition at line 90 of file [Schedule.java](#).

6.49.1.3 `synchronized Agent Schedule::currentAgent ()`

Reimplemented from [Scheduling](#).

Definition at line 81 of file `Schedule.java`.

6.49.1.4 `Int Schedule::currentTime ()`

Reimplemented from [Scheduling](#).

Definition at line 85 of file `Schedule.java`.

6.49.1.5 `synchronized Empty Schedule::deactivate (Agent agent)`

Reimplemented from [Scheduling](#).

Definition at line 70 of file `Schedule.java`.

6.49.1.6 `Schedule Schedule::getSchedule () [static]`

Definition at line 32 of file `Schedule.java`.

6.49.1.7 `void Schedule::initSchedule (DataFactory factory) [static]`

Definition at line 28 of file `Schedule.java`.

6.49.1.8 `synchronized Message Schedule::receive (MessageTag messageTag)`

Reimplemented from [Scheduling](#).

Definition at line 48 of file `Schedule.java`.

6.49.1.9 `synchronized Empty Schedule::send (Agent agent, Message message, MessageTag messageTag)`

Reimplemented from [Scheduling](#).

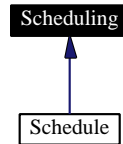
Definition at line 40 of file `Schedule.java`.

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

- [Schedule.java](#)

6.50 Scheduling Interface Reference

Inheritance diagram for Scheduling:



Public Methods

- **Empty** `send` ([Agent](#) agent, [Message](#) message, [MessageTag](#) messageTag) throws [Exceptional](#)
- **Message** `receive` ([MessageTag](#) messageTag) throws [Exceptional](#)
- **Agent** `activate` ([Action](#) action)
- **Empty** `deactivate` ([Agent](#) agent) throws [Exceptional](#)
- **Agent** `currentAgent` ()
- **Int** `currentTime` ()
- **Int** `chooseNatural` ()

6.50.1 Member Function Documentation

6.50.1.1 **Agent** `Scheduling::activate` ([Action](#) action)

Reimplemented in [Schedule](#).

6.50.1.2 **Int** `Scheduling::chooseNatural` ()

Reimplemented in [Schedule](#).

6.50.1.3 **Agent** `Scheduling::currentAgent` ()

Reimplemented in [Schedule](#).

6.50.1.4 **Int** `Scheduling::currentTime` ()

Reimplemented in [Schedule](#).

6.50.1.5 **Empty** `Scheduling::deactivate` ([Agent](#) agent)

Reimplemented in [Schedule](#).

6.50.1.6 **Message** `Scheduling::receive` ([MessageTag](#) messageTag)

Reimplemented in [Schedule](#).

6.50.1.7 [Empty](#) Scheduling::send ([Agent](#) *agent*, [Message](#) *message*, [MessageTag](#) *messageTag*)

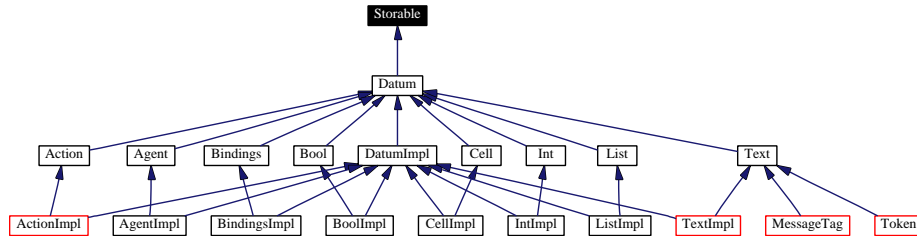
Reimplemented in [Schedule](#).

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

- [Scheduling.java](#)

6.51 Storable Interface Reference

Inheritance diagram for Storable:

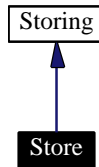


The documentation for this interface was generated from the following file:

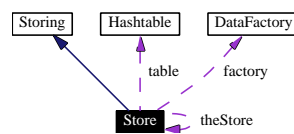
- [Storable.java](#)

6.52 Store Class Reference

Inheritance diagram for Store:



Collaboration diagram for Store:



Public Methods

- synchronized [Cell create](#) ([Storable o](#))
- synchronized [Empty destroy](#) ([Cell cell](#)) throws [Exceptional](#)
- synchronized [Empty update](#) ([Cell cell](#), [Storable o](#)) throws [Exceptional](#)
- synchronized [Storable inspect](#) ([Cell cell](#)) throws [Exceptional](#)
- String [toString](#) ()

Static Public Methods

- void [initStore](#) ([DataFactory factory](#))
- void [initStore](#) ([DataFactory factory](#), int cap)
- void [initStore](#) ([DataFactory factory](#), int cap, int loadf)
- Store [getStore](#) ()

6.52.1 Member Function Documentation

6.52.1.1 synchronized [Cell](#) Store::create ([Storable o](#))

Reimplemented from [Storing](#).

Definition at line 37 of file Store.java.

6.52.1.2 synchronized [Empty](#) Store::destroy ([Cell cell](#))

Reimplemented from [Storing](#).

Definition at line 43 of file Store.java.

6.52.1.3 `Store Store::getStore () [static]`

Definition at line 30 of file Store.java.

6.52.1.4 `void Store::initStore (DataFactory factory, int cap, int loadf) [static]`

Definition at line 26 of file Store.java.

6.52.1.5 `void Store::initStore (DataFactory factory, int cap) [static]`

Definition at line 22 of file Store.java.

6.52.1.6 `void Store::initStore (DataFactory factory) [static]`

Definition at line 18 of file Store.java.

6.52.1.7 `synchronized Storable Store::inspect (Cell cell)`

Reimplemented from [Storing](#).

Definition at line 56 of file Store.java.

6.52.1.8 `String Store::toString ()`

Definition at line 62 of file Store.java.

6.52.1.9 `synchronized Empty Store::update (Cell cell, Storable o)`

Reimplemented from [Storing](#).

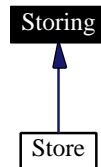
Definition at line 49 of file Store.java.

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

- [Store.java](#)

6.53 Storing Interface Reference

Inheritance diagram for Storing:



Public Methods

- [Cell create](#) ([Storable](#) storable)
- [Empty destroy](#) ([Cell](#) cell) throws [Exceptional](#)
- [Empty update](#) ([Cell](#) cell, [Storable](#) o) throws [Exceptional](#)
- [Storable inspect](#) ([Cell](#) cell) throws [Exceptional](#)

6.53.1 Member Function Documentation

6.53.1.1 [Cell](#) [Storing::create](#) ([Storable](#) o)

Reimplemented in [Store](#).

6.53.1.2 [Empty](#) [Storing::destroy](#) ([Cell](#) cell)

Reimplemented in [Store](#).

6.53.1.3 [Storable](#) [Storing::inspect](#) ([Cell](#) cell)

Reimplemented in [Store](#).

6.53.1.4 [Empty](#) [Storing::update](#) ([Cell](#) cell, [Storable](#) o)

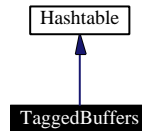
Reimplemented in [Store](#).

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

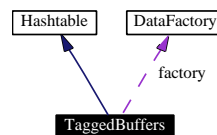
- [Storing.java](#)

6.54 TaggedBuffers Class Reference

Inheritance diagram for TaggedBuffers:



Collaboration diagram for TaggedBuffers:



Public Methods

- [TaggedBuffers](#) ([DataFactory](#) factory)
- void [queue](#) ([MessageTag](#) messageTag, [Message](#) message)
- [Message](#) [dequeue](#) ([MessageTag](#) messageTag) throws [Exceptional](#)

6.54.1 Constructor & Destructor Documentation

6.54.1.1 TaggedBuffers::TaggedBuffers ([DataFactory](#) factory)

Definition at line 11 of file TaggedBuffers.java.

6.54.2 Member Function Documentation

6.54.2.1 [Message](#) TaggedBuffers::dequeue ([MessageTag](#) messageTag)

Definition at line 26 of file TaggedBuffers.java.

Referenced by [Schedule::receive\(\)](#).

6.54.2.2 void TaggedBuffers::queue ([MessageTag](#) messageTag, [Message](#) message)

Definition at line 16 of file TaggedBuffers.java.

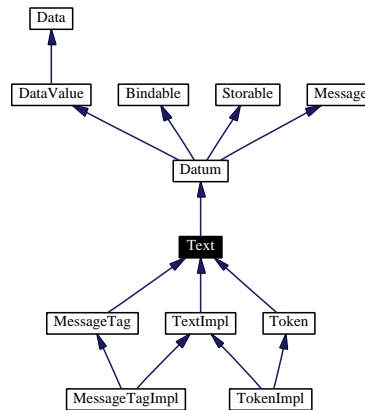
Referenced by [Schedule::send\(\)](#).

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

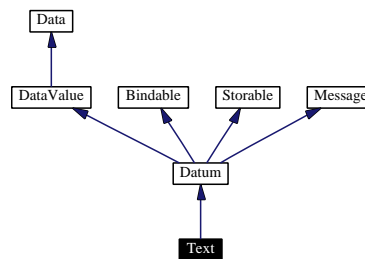
- [TaggedBuffers.java](#)

6.55 Text Interface Reference

Inheritance diagram for Text:



Collaboration diagram for Text:



Public Methods

- String [stringValue](#) ()

6.55.1 Member Function Documentation

6.55.1.1 String Text::stringValue ()

Reimplemented in [TextImpl](#).

Referenced by [TokenImpl::compareTo\(\)](#), and [TokenImpl::toString\(\)](#).

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

- [Text.java](#)

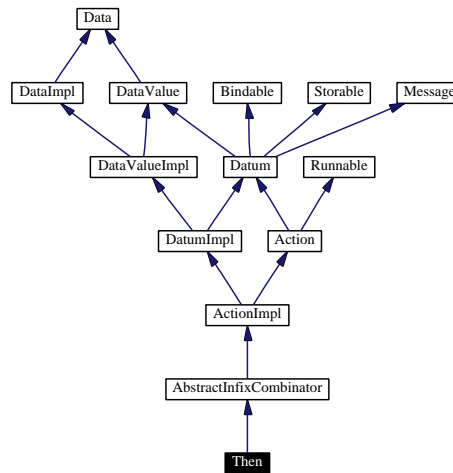
Definition at line 14 of file TextImpl.java.

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

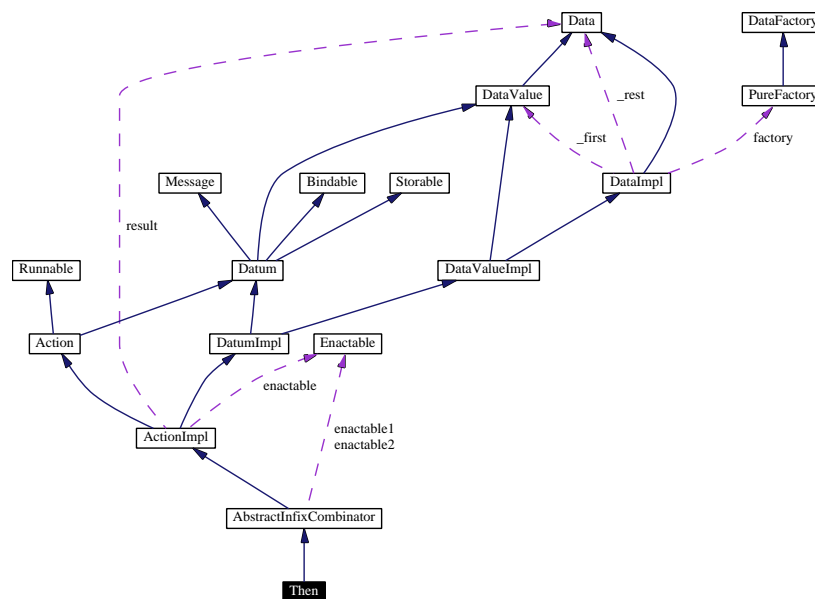
- [TextImpl.java](#)

6.57 Then Class Reference

Inheritance diagram for Then:



Collaboration diagram for Then:



Public Methods

- **Then** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)
- **Data enact** ([Data](#) data, [Bindings](#) bindings) throws [Exceptional](#), [Failed](#)
- **Then** ([PureFactory](#) factory, [Enactable](#) enactable1, [Enactable](#) enactable2)

6.57.1 Constructor & Destructor Documentation

6.57.1.1 `Then::Then (PureFactory factory, Enactable enactable1, Enactable enactable2)`

Definition at line 64 of file AbstractAction.java.

6.57.1.2 `Then::Then (PureFactory factory, Enactable enactable1, Enactable enactable2)`

Definition at line 84 of file ActionImpl.java.

6.57.2 Member Function Documentation

6.57.2.1 `Data Then::enact (Data data, Bindings bindings)`

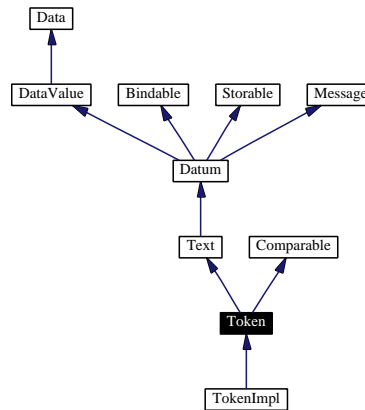
Definition at line 67 of file AbstractAction.java.

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

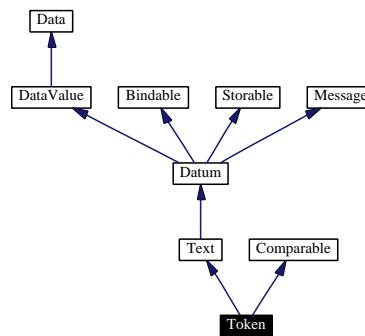
- [AbstractAction.java](#)
- [ActionImpl.java](#)

6.58 Token Interface Reference

Inheritance diagram for Token:



Collaboration diagram for Token:

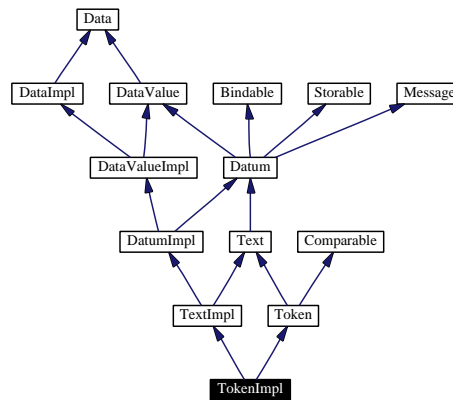


The documentation for this interface was generated from the following file:

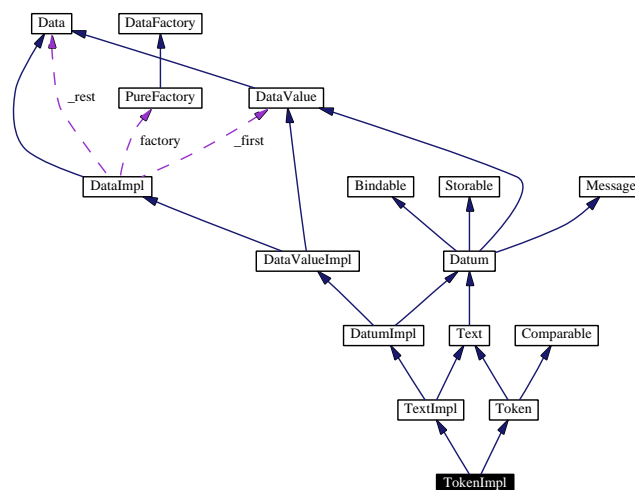
- [Token.java](#)

6.59 TokenImpl Class Reference

Inheritance diagram for TokenImpl:



Collaboration diagram for TokenImpl:



Public Methods

- `int compareTo (Object o)`
- `String toString ()`

6.59.1 Member Function Documentation

6.59.1.1 `int TokenImpl::compareTo (Object o)`

Definition at line 12 of file `TokenImpl.java`.

6.59.1.2 String TokenImpl::toString ()

Reimplemented from [DataImpl](#).

Definition at line 16 of file TokenImpl.java.

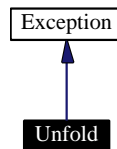
The documentation for this class was generated from the following file:

- [TokenImpl.java](#)

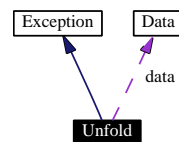
6.60 Unfold Class Reference

Describe class `Unfold` here.

Inheritance diagram for `Unfold`:



Collaboration diagram for `Unfold`:



Public Methods

- `Unfold (Data data)`
Creates a new `Unfold` instance.
- `Data getData ()`
Describe `getData` method here.

Static Public Methods

- `Data unfold (Data data)` throws `Unfold`
Describe `unfold` method here.

6.60.1 Detailed Description

Describe class `Unfold` here.

Author:

Tijs van der Storm

Version:

1.0

Definition at line 12 of file `Unfold.java`.

6.60.2 Constructor & Destructor Documentation

6.60.2.1 `Unfold::Unfold (Data data)`

Creates a new `Unfold` instance.

Parameters:

data a `Data` value

Definition at line 32 of file `Unfold.java`.

6.60.3 Member Function Documentation

6.60.3.1 `Data Unfold::getData ()`

Describe `getData` method here.

Returns:

a `Data` value

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

6.60.3.2 `Data Unfold::unfold (Data data) [static]`

Describe `unfold` method here.

Parameters:

data given `Data`

Returns:

nothing

Exceptions:

Unfold is always thrown with the given data

Definition at line 22 of file `Unfold.java`.

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

- [Unfold.java](#)

Chapter 7

Action Java Compiler Runtime File Documentation

7.1 AbstractAction.java File Reference

Compounds

- class [ActionImpl](#)
- class [And](#)
- class [AndExceptionally](#)
- class [AndThen](#)
- class [Exceptionally](#)
- class [Hence](#)
- class [Indivisibly](#)
- class [Otherwise](#)
- class [Then](#)

7.2 AbstractEnactable.java File Reference

Compounds

- class [AbstractEnactable](#)

7.3 AbstractInfixCombinator.java File Reference

Compounds

- class [AbstractInfixCombinator](#)

7.4 AbstractPrefixCombinator.java File Reference

Compounds

- class [AbstractPrefixCombinator](#)

7.5 Action.java File Reference

Compounds

- interface [Action](#)

7.6 ActionImpl.java File Reference

Compounds

- class **And::_And**
- class **AndExceptionally::_AndExceptionally**
- class **AndThen::_AndThen**
- class **Exceptionally::_Exceptionally**
- class **Hence::_Hence**
- class **Indivisibly::_Indivisibly**
- class **Otherwise::_Otherwise**
- class **Then::_Then**
- class [ActionImpl](#)
- class [And](#)
- class [AndExceptionally](#)
- class [AndThen](#)
- class [Exceptionally](#)
- class [Hence](#)
- class [Indivisibly](#)
- class [Otherwise](#)
- class [Then](#)

7.7 Agent.java File Reference

Compounds

- interface [Agent](#)

7.8 AgentImpl.java File Reference

Compounds

- class [AgentImpl](#)

7.9 Bindable.java File Reference

Compounds

- interface [Bindable](#)

7.10 Bindings.java File Reference

Compounds

- interface [Bindings](#)

7.11 BindingsImpl.java File Reference

Compounds

- class [BindingsImpl](#)

7.12 Bool.java File Reference

Compounds

- interface [Bool](#)

7.13 BoolImpl.java File Reference

Compounds

- class [BoolImpl](#)

7.14 Cell.java File Reference

Compounds

- interface [Cell](#)

7.15 CellImpl.java File Reference

Compounds

- class [CellImpl](#)

7.16 Data.java File Reference

Compounds

- interface [Data](#)

7.17 DataConst.java File Reference

Compounds

- interface [DataConst](#)

7.18 DataConstImpl.java File Reference

Compounds

- class [DataConstImpl](#)

7.19 DataFactory.java File Reference

Compounds

- interface [DataFactory](#)

7.20 DataImpl.java File Reference

Compounds

- class **Provide::_Provide**
- class [DataImpl](#)
- class [Provide](#)

7.21 DataValue.java File Reference

Compounds

- interface [DataValue](#)

7.22 DataValueImpl.java File Reference

Compounds

- class [DataValueImpl](#)

7.23 Datum.java File Reference

Compounds

- interface [Datum](#)

7.24 DatumImpl.java File Reference

Compounds

- class [DatumImpl](#)

7.25 Empty.java File Reference

Compounds

- interface [Empty](#)

7.26 EmptyImpl.java File Reference

Compounds

- class [EmptyImpl](#)

7.27 Enactable.java File Reference

Compounds

- interface [Enactable](#)

7.28 Exceptional.java File Reference

Compounds

- class [Exceptional](#)

7.29 Failed.java File Reference

Compounds

- class [Failed](#)

7.30 Int.java File Reference

Compounds

- interface [Int](#)

7.31 IntImpl.java File Reference

Compounds

- class [IntImpl](#)

7.32 List.java File Reference

Compounds

- interface [List](#)

7.33 ListImpl.java File Reference

Compounds

- class [ListImpl](#)

7.34 Message.java File Reference

Compounds

- interface [Message](#)

7.35 MessageTag.java File Reference

Compounds

- interface [MessageTag](#)

7.36 MessageTagImpl.java File Reference

Compounds

- class [MessageTagImpl](#)

7.37 PureFactory.java File Reference

Compounds

- class [PureFactory](#)

7.38 Schedule.java File Reference

Compounds

- class [Schedule](#)

7.39 Scheduling.java File Reference

Compounds

- interface [Scheduling](#)

7.40 Storable.java File Reference

Compounds

- interface [Storable](#)

7.41 Store.java File Reference

Compounds

- class [Store](#)

7.42 Storing.java File Reference

Compounds

- interface [Storing](#)

7.43 TaggedBuffers.java File Reference

Compounds

- class [TaggedBuffers](#)

7.44 Text.java File Reference

Compounds

- interface [Text](#)

7.45 TextImpl.java File Reference

Compounds

- class [TextImpl](#)

7.46 Token.java File Reference

Compounds

- interface [Token](#)

7.47 TokenImpl.java File Reference

Compounds

- class [TokenImpl](#)

7.48 Tuple.java File Reference

7.49 Unfold.java File Reference

Compounds

- class [Unfold](#)

Describe class Unfold here.