I can see your house from here

Part I

cute
Hacks

7.5 Years

79 Files

32957 Lines Of Code

The Beginning

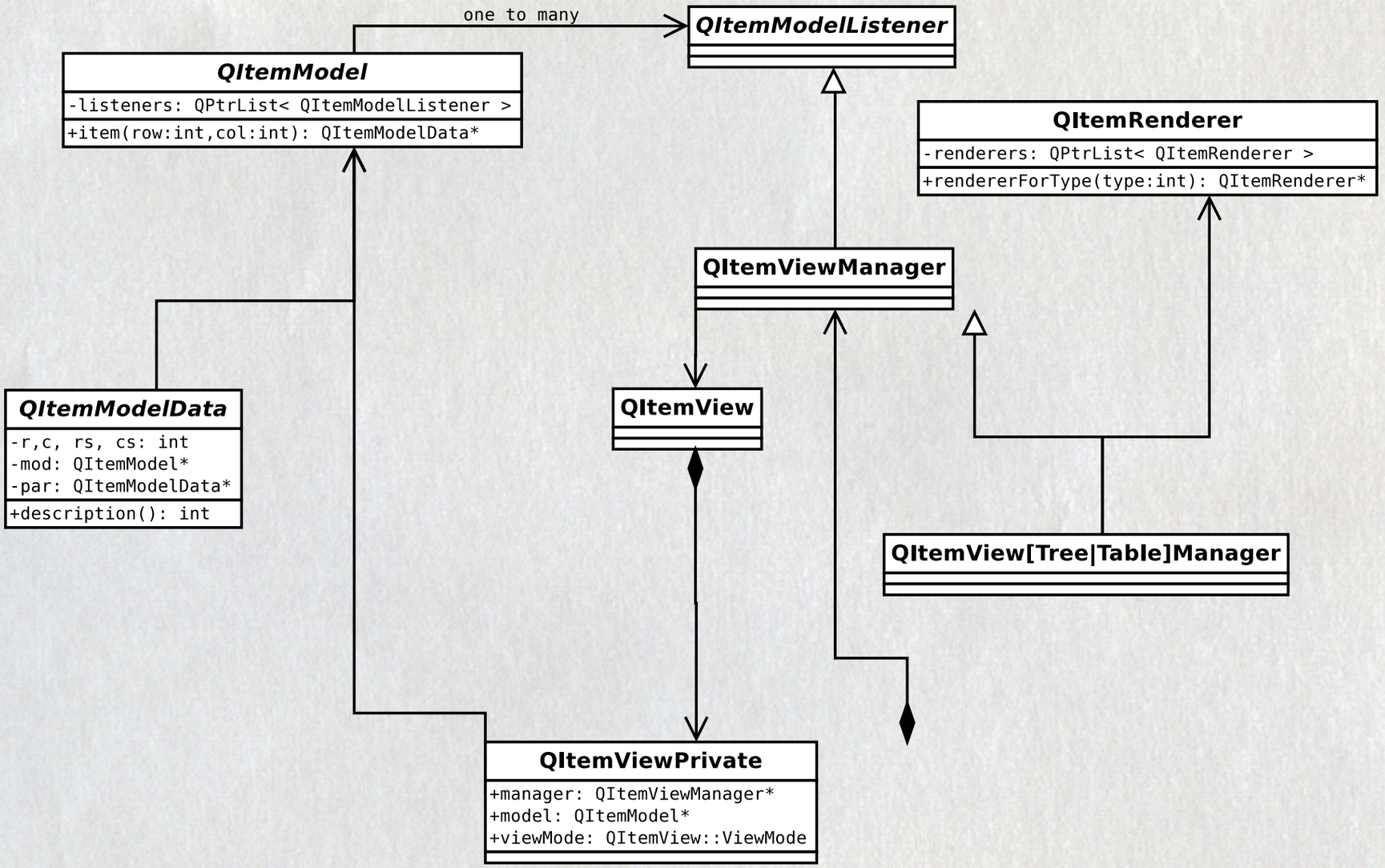
Author	reggie
Client	reggie-piefke
Date	2002/12/03 14:43:32
Description	`nothing yet`
Jobs fixed	-

Author	espenr
Client	espenr-deimos
Date	2002/12/04 19:30:30
Description	Added a FileTableModel and changed main to test it. Reads the columns in the astronomy_large.txt backwards and will reread the file if you edit it. (Just touch it)
Jobs fixed	-

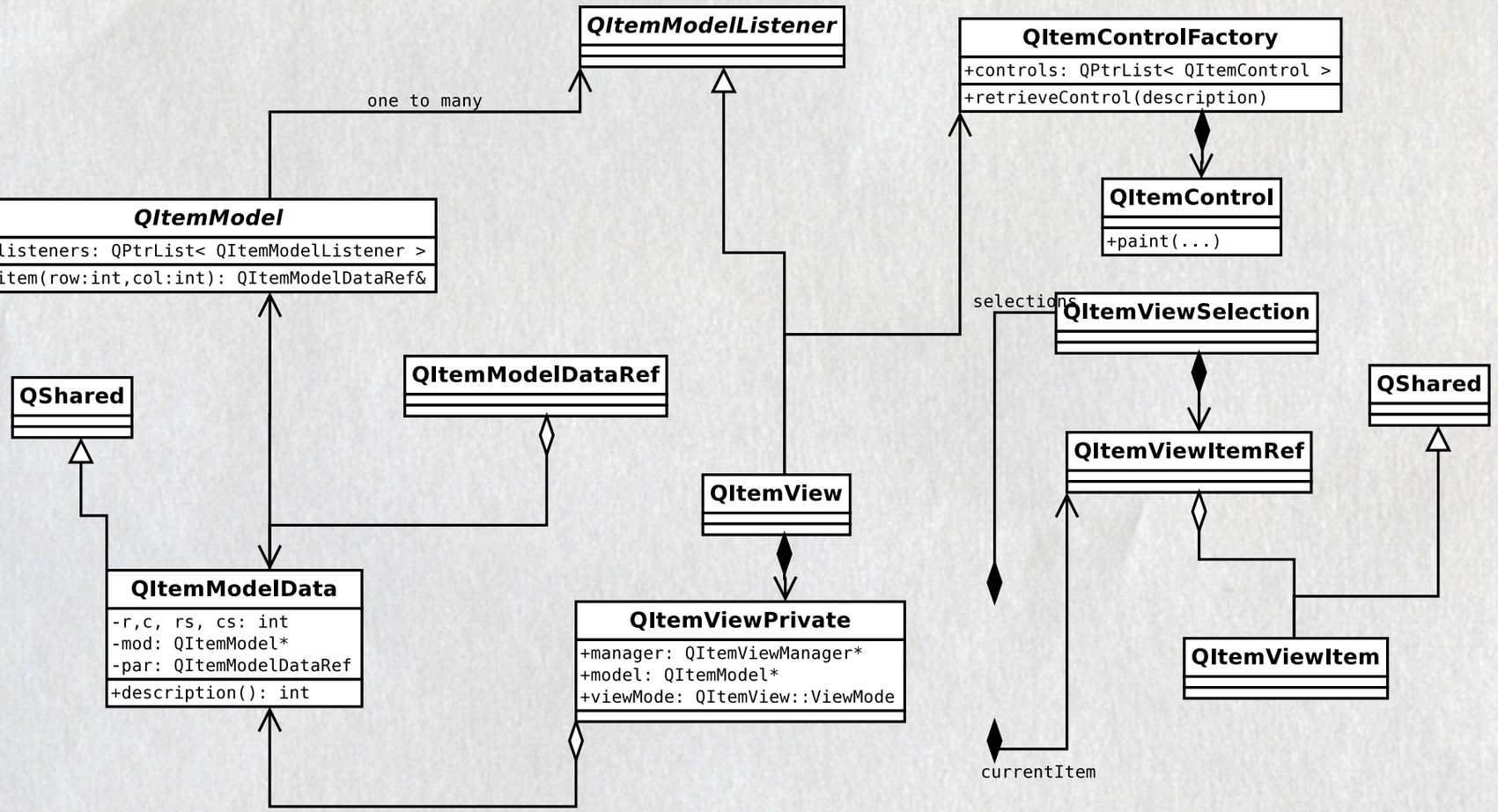
Author mmonsen
Client mmonsen-elysium
Date 2002/12/05 15:37:13
Description QItemModel subclass that implements a directory tree as a data source.
Jobs fixed -

A Rush of Creativity

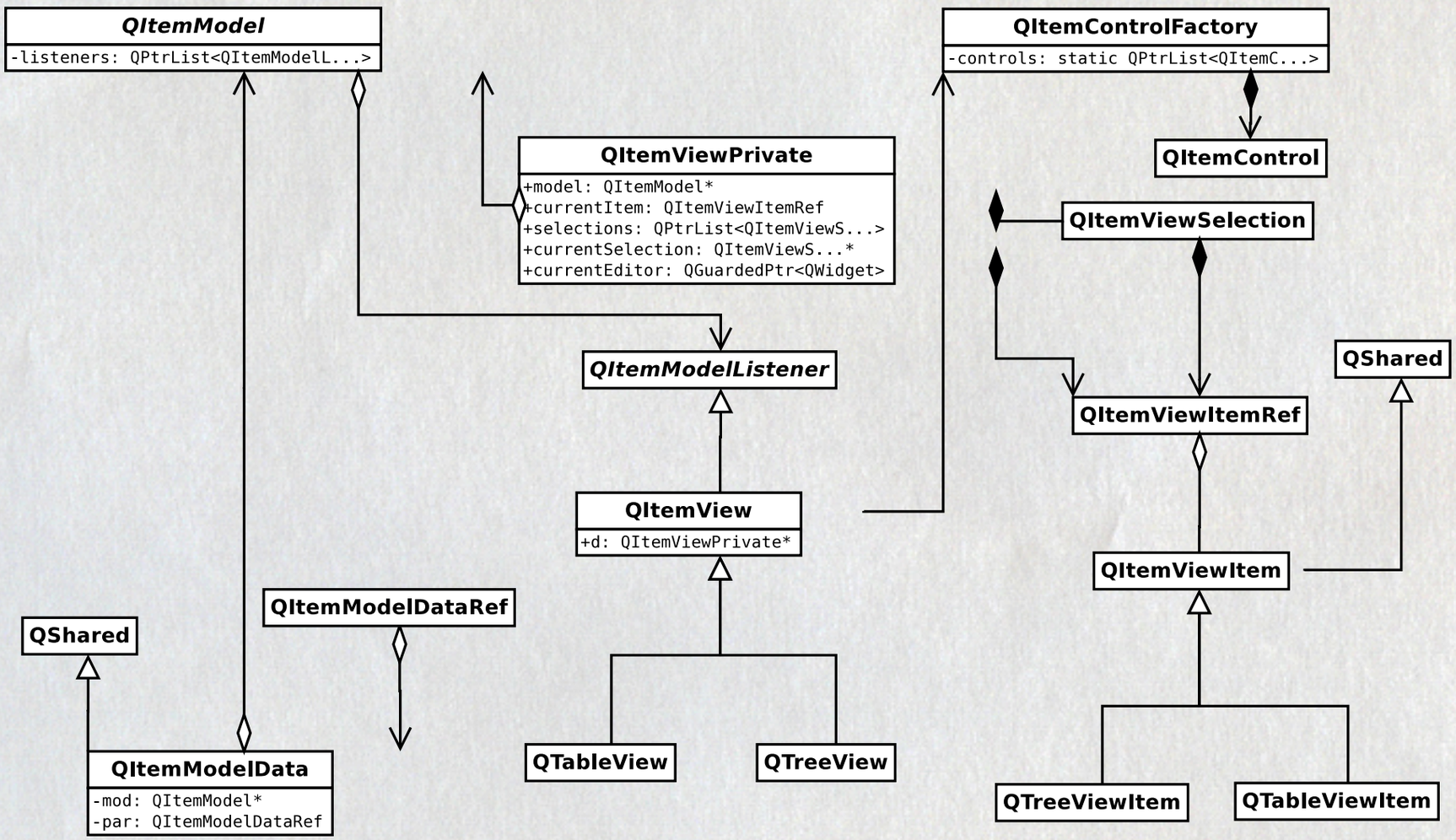
2002/12/09


one to many
QItemModelListener
QItemModel
-listeners: QPtrList< QItemModelListener >
+item(row:int,col:int): QItemModelData*
QItemRenderer
-renderers: QPtrList< QItemRenderer >
+rendererForType(type:int): QItemRenderer*
QItemViewManager
QItemModelData
-r,c, rs, cs: int
-mod: QItemModel*
-par: QItemModelData*
+description(): int
QItemView
QItemView[Tree|Table]Manager
QItemViewPrivate
+manager: QItemViewManager*
+model: QItemModel*
+viewMode: QItemView::ViewMode

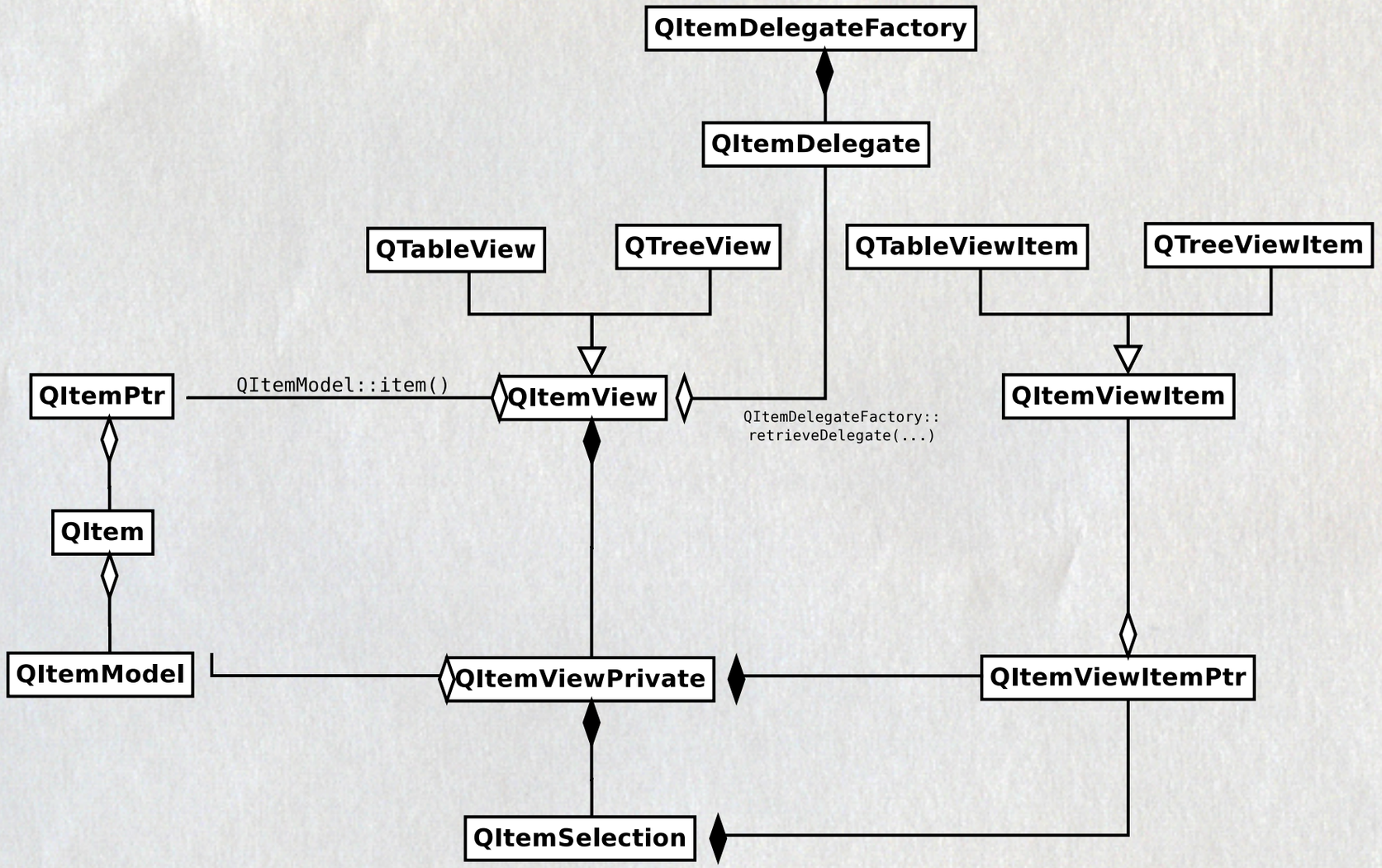
2002/12/13


QItemModelListener
one to many
QItemControlFactory
+controls: QPtrList< QItemControl >
+retrieveControl(description)
QItemControl
+paint(...)
QItemModel
-listeners: QPtrList< QItemModelListener >
+item(row:int,col:int): QItemModelDataRef&
selections
QItemViewSelection
QItemModelDataRef
QShared
QItemView
QShared
QItemViewItemRef
QItemModelData
-r,c, rs, cs: int
-mod: QItemModel*
-par: QItemModelDataRef
+description(): int
QItemViewPrivate
+manager: QItemViewManager*
+model: QItemModel*
+viewMode: QItemView::ViewMode
QItemViewItem
currentItem

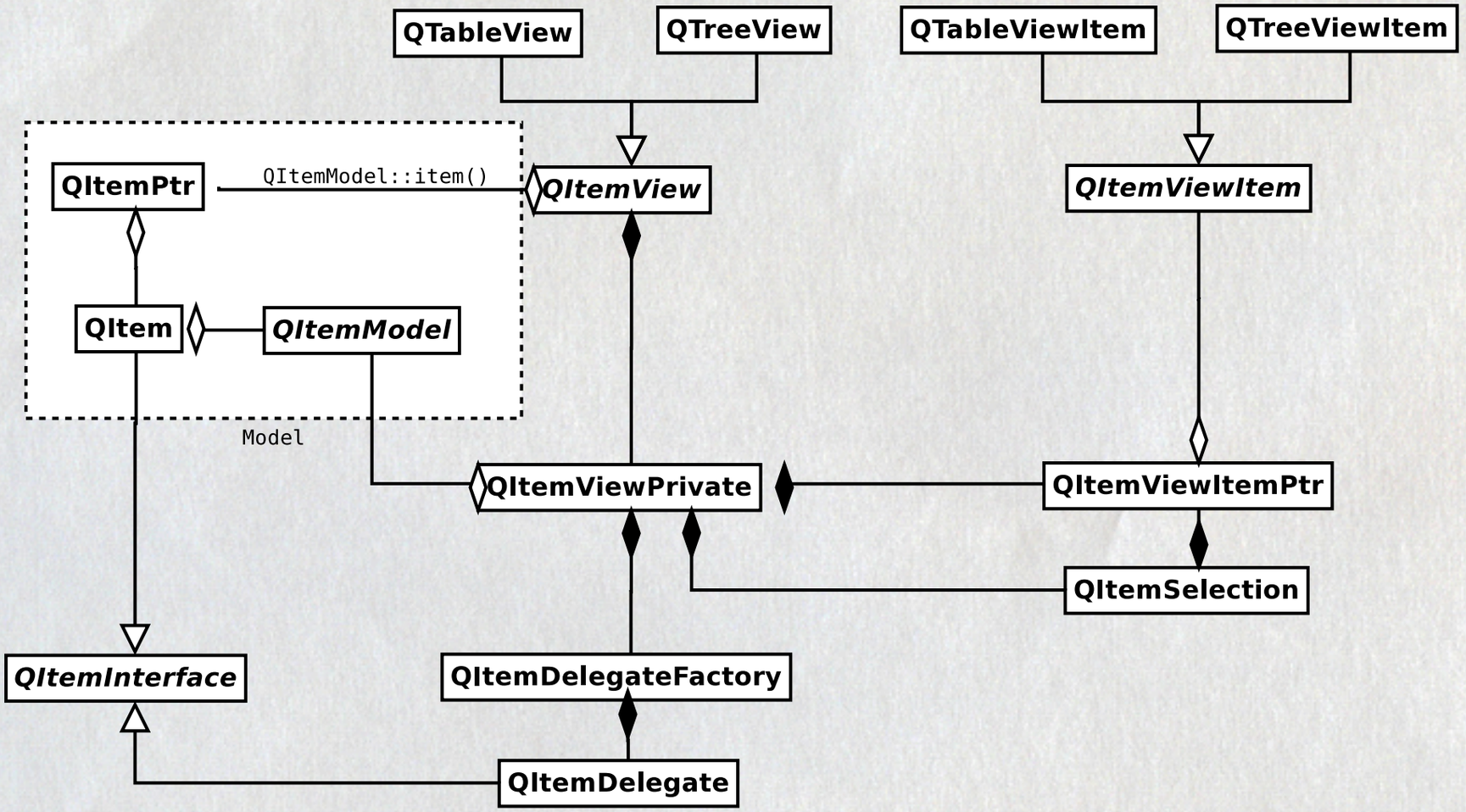
2002/12/16


QItemModel
-listeners: QPtrList<QItemModelL...>
QItemViewPrivate
+model: QItemModel*
+currentItem: QItemViewItemRef
+selections: QPtrList<QItemViewS...>
+currentSelection: QItemViewS...*
+currentEditor: QGuardedPtr<QWidget>
QItemControlFactory
-controls: static QPtrList<QItemC...>
QItemControl
QItemViewSelection
QShared
QItemModelListener
QItemViewItemRef
QItemView
+d: QItemViewPrivate*
QItemModelDataRef
QShared
QItemViewItem
QItemModelData
-mod: QItemModel*
-par: QItemModelDataRef
QTableView
QTreeView
QTreeViewItem
QTableViewItem

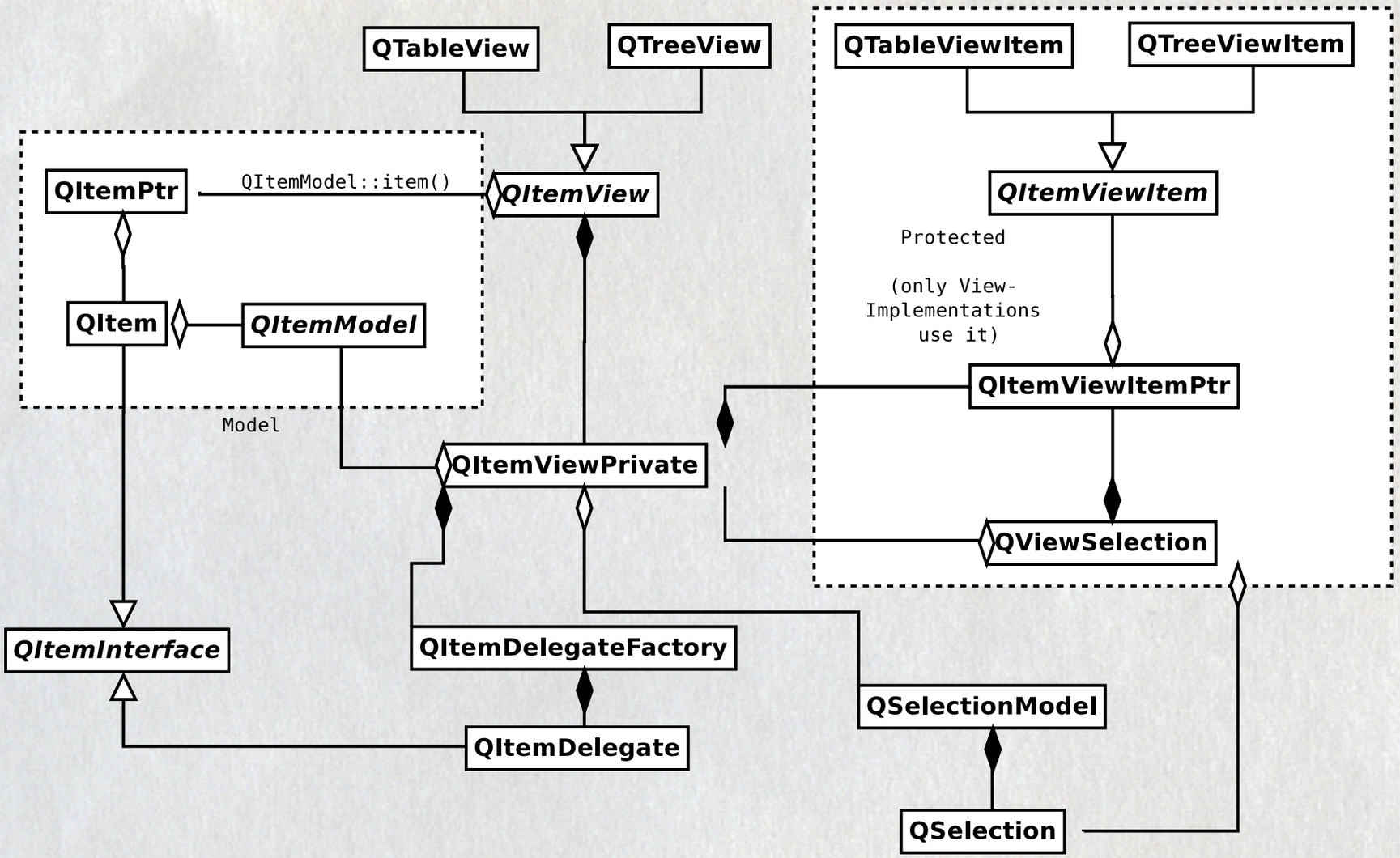
2002/12/18


QItemDelegateFactory
QItemDelegate
QTableView
QTreeView
QTableViewItem
QTreeViewItem
QItemPtr
QItemModel::item()
QItemView
QItemDelegateFactory::
retrieveDelegate(...)
QItemViewItem
QItem
QItemModel
QItemViewPrivate
QItemViewItemPtr
QItemSelection

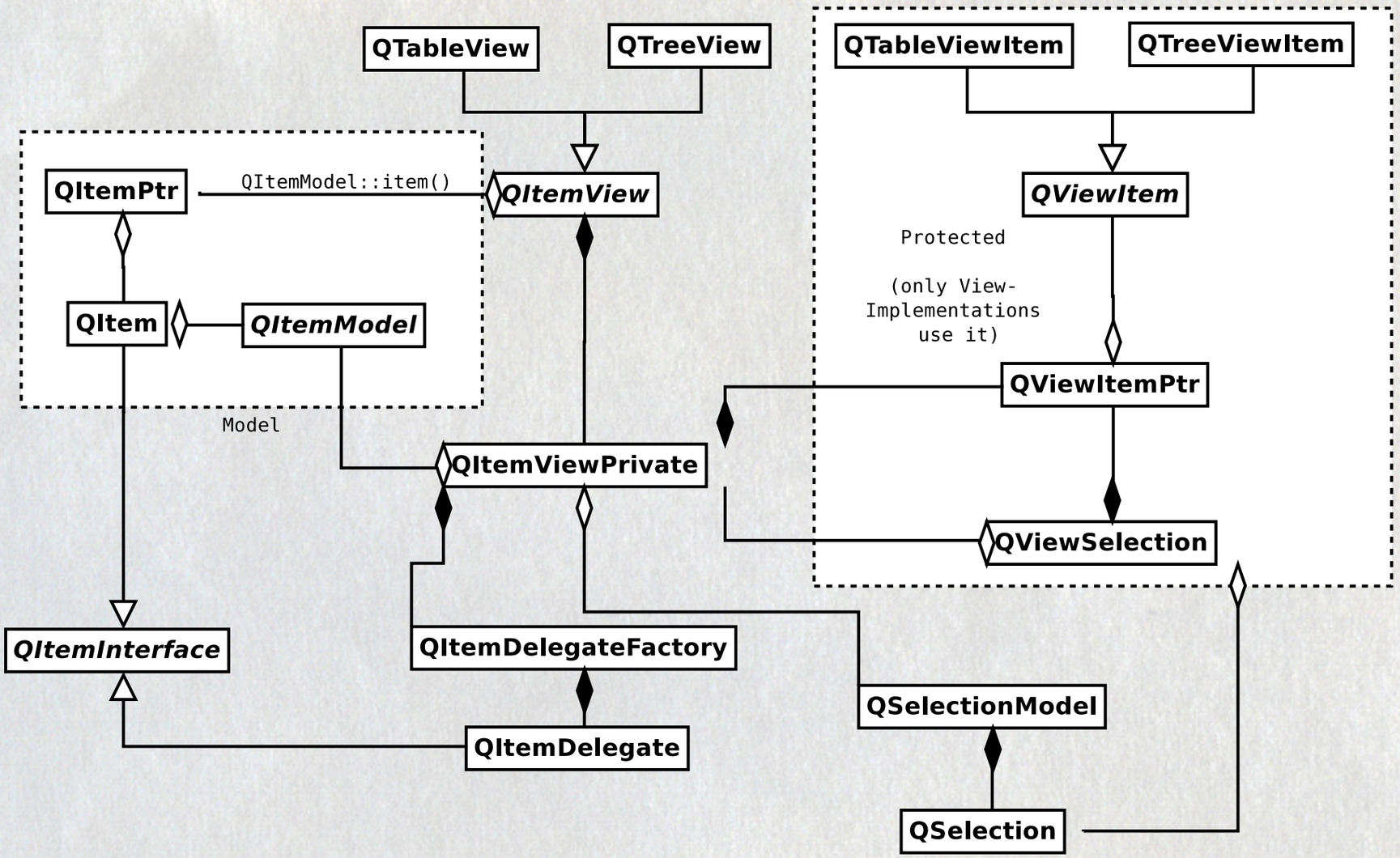
2002/12/20


QTableView
QTreeView
QTableViewItem
QTreeViewItem
QItemPtr
QItemModel::item()
QItemView
QItemViewItem
QItem
QItemModel
Model
QItemViewPrivate
QItemViewItemPtr
QItemSelection
QItemInterface
QItemDelegateFactory
QItemDelegate

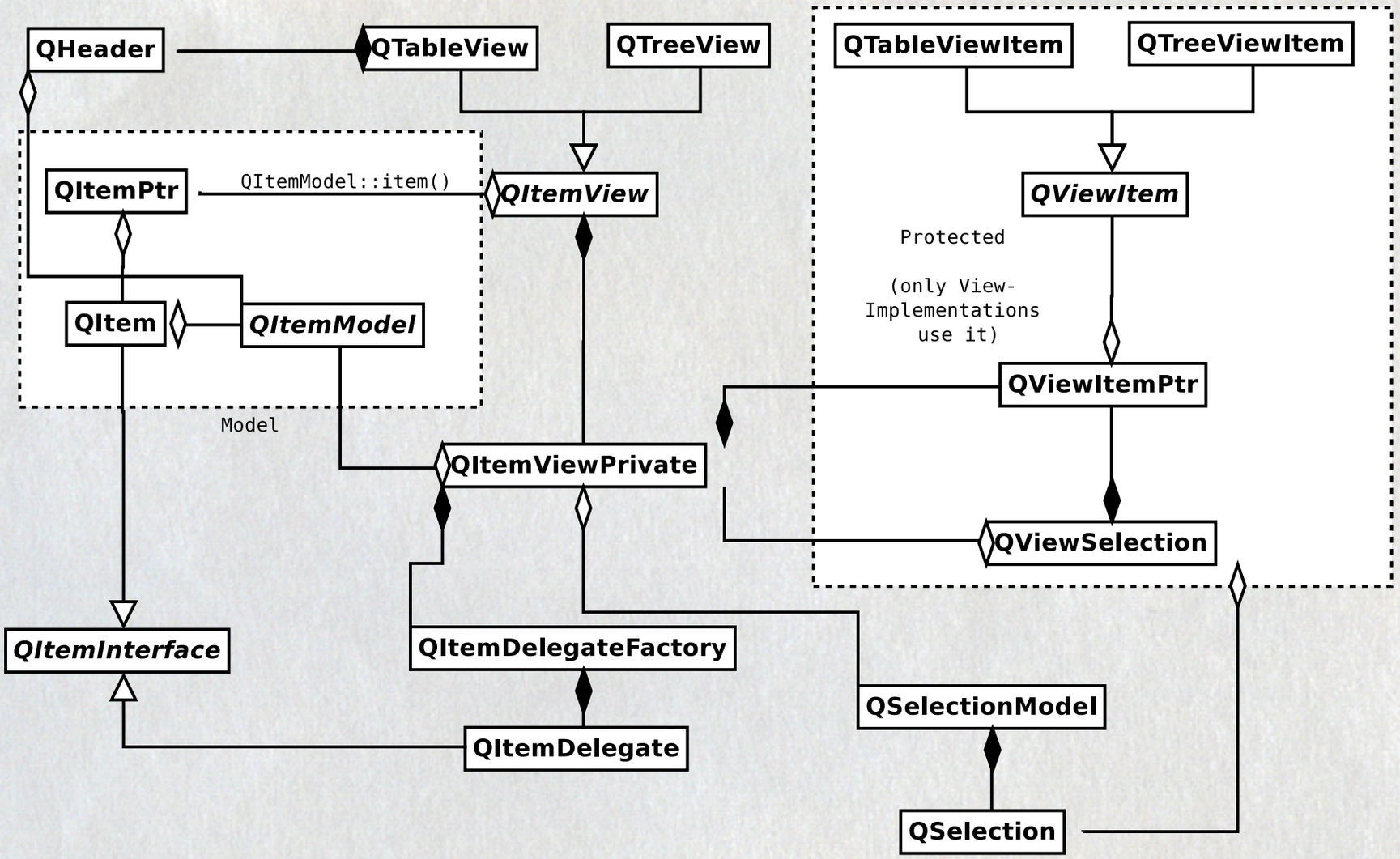
2003/01/06


QTableView
QTreeView
QTableViewItem
QTreeViewItem
QItemPtr
QItemModel::item()
QItemView
QItemViewItem
Protected
(only View-Implementations use it)
QItem
QItemModel
QItemViewItemPtr
Model
QItemViewPrivate
QViewSelection
QItemInterface
QItemDelegateFactory
QSelectionModel
QItemDelegate
QSelection

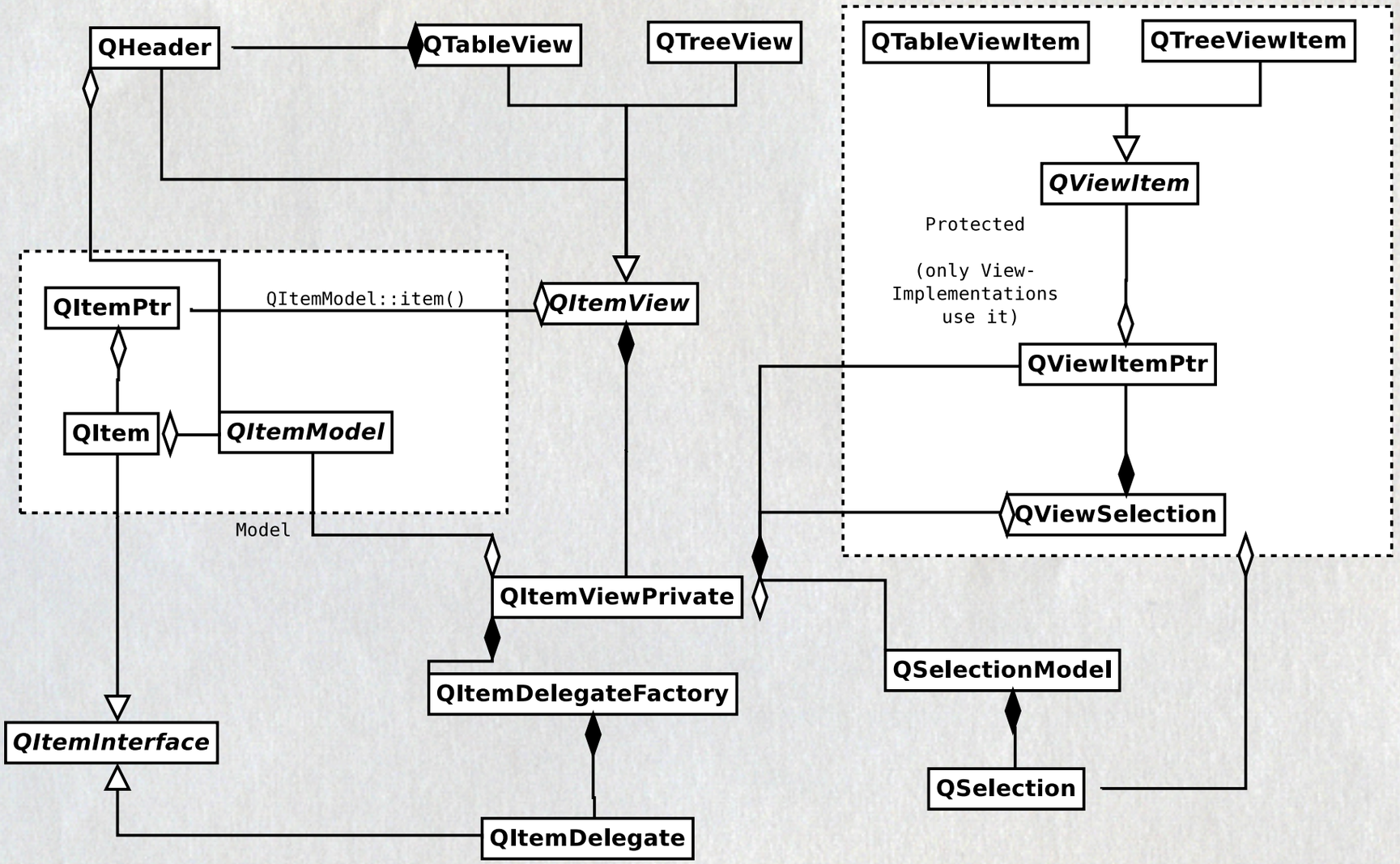
2003/01/07


QTableView
QTreeView
QTableViewItem
QTreeViewItem
QItemPtr
QItemModel::item()
QItemView
QViewItem
Protected
(only View-
Implementations
use it)
QItem
QItemModel
QViewItemPtr
Model
QItemViewPrivate
QViewSelection
QItemInterface
QItemDelegateFactory
QSelectionModel
QItemDelegate
QSelection

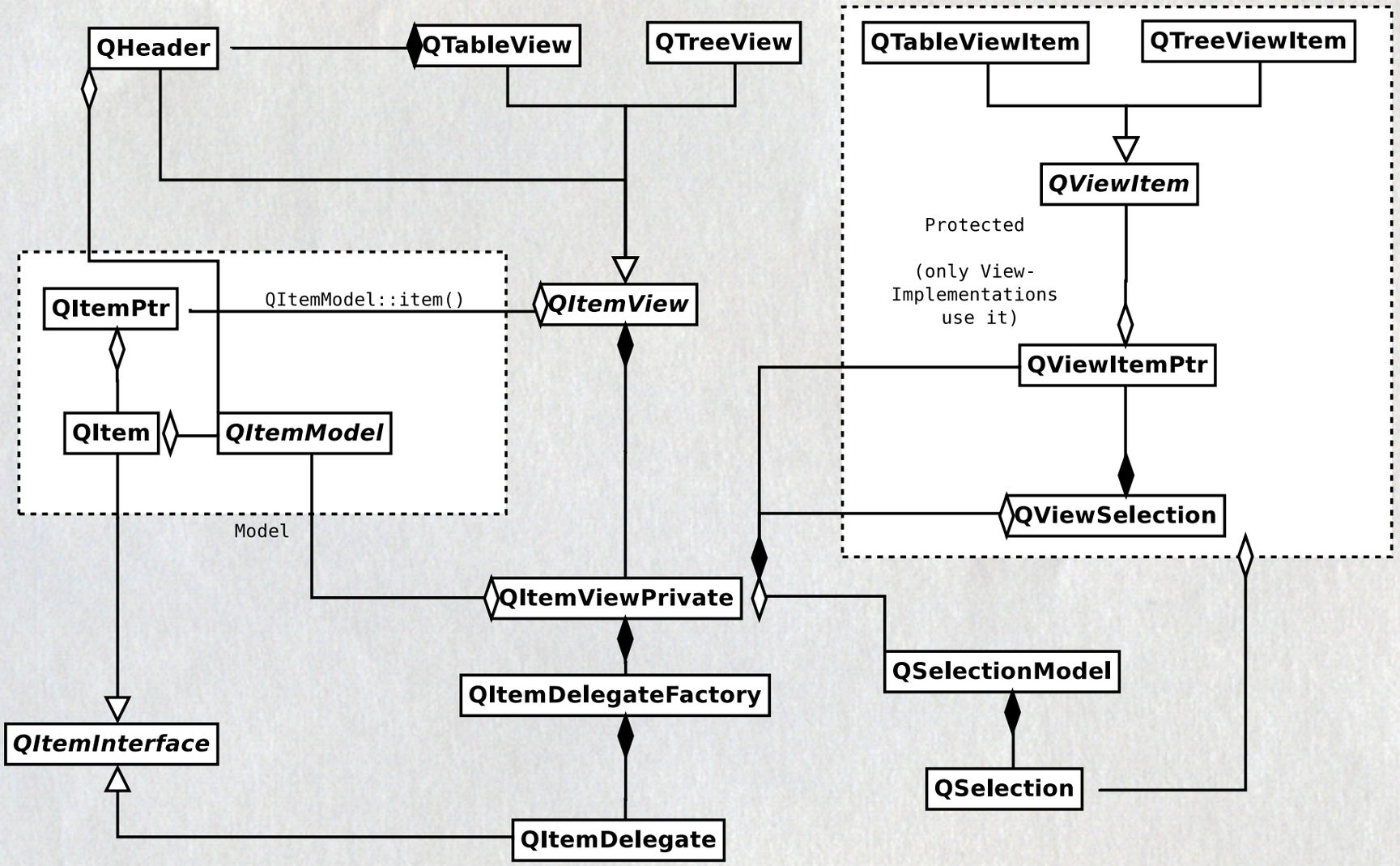
2003/01/09


QHeader
QTableView
QTreeView
QItemPtr
QItemModel::item()
QItemView
QItem
QItemModel
Model
QItemViewPrivate
QItemInterface
QItemDelegateFactory
QItemDelegate
QTableViewItem
QTreeViewItem
QViewItem
Protected
(only View-Implementations use it)
QViewItemPtr
QViewSelection
QSelectionModel
QSelection

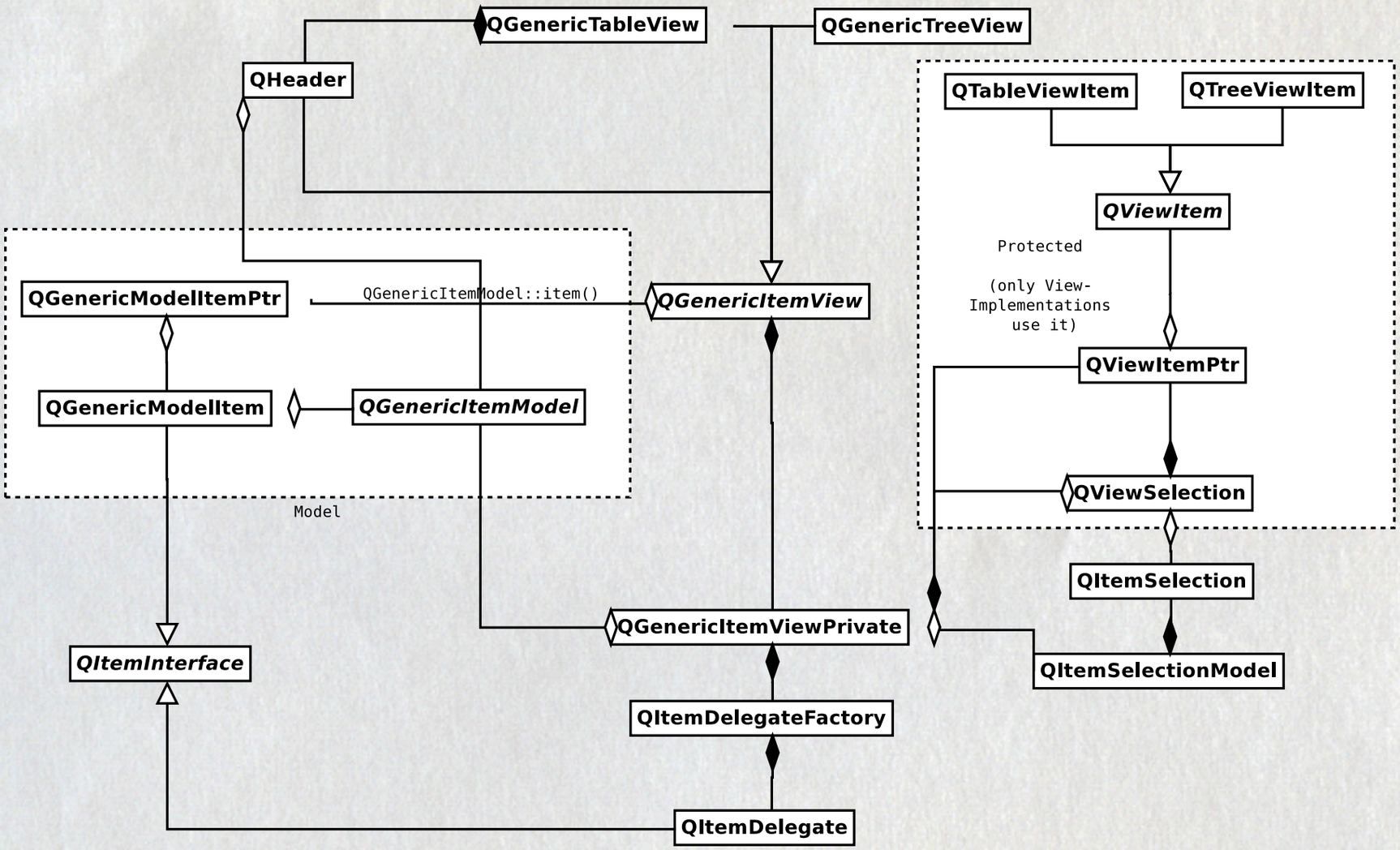
2003/01/10


QHeader
QTableView
QTreeView
QTableViewItem
QTreeViewItem
QViewItem
Protected
(only View-Implementations use it)
QItemPtr
QItemModel::item()
QItemView
QViewItemPtr
QItem
QItemModel
Model
QViewSelection
QItemViewPrivate
QSelectionModel
QItemDelegateFactory
QItemInterface
QSelection
QItemDelegate

2003/01/016


QHeader
QTableView
QTreeView
QTableViewItem
QTreeViewItem
QViewItem
Protected
(only View-Implementations use it)
QItemPtr
QItemModel::item()
QItemView
QViewItemPtr
QItem
QItemModel
Model
QViewSelection
QItemViewPrivate
QSelectionModel
QItemDelegateFactory
QItemInterface
QSelection
QItemDelegate

2003/01/24


QGenericTableView
QGenericTreeView
QHeader
QTableViewItem
QTreeViewItem
QViewItem
Protected
(only View-Implementations use it)
QGenericModelItemPtr
QGenericItemModel::item()
QGenericItemView
QViewItemPtr
QGenericModelItem
QGenericItemModel
QViewSelection
QItemSelection
Model
QGenericItemViewPrivate
QItemSelectionModel
QItemInterface
QItemDelegateFactory
QItemDelegate

2003/02/03

Last commit by reggie.

2003/03/04

espenr releases Qt 3.1.2

Decisions

Author	mmonsen
Client	mmonsen-elysium
Date	2003/10/23 16:49:51
Description	Add QObjectRepository. This is an object pool to avoid new/deletes. Use it on MemModelItems (for testing).
Jobs fixed	-

Author	mmonsen
Client	mmonsen-elysium
Date	2003/10/26 16:08:11
Description	Introduce the alt_ classes. They are the begining of the implementation of item views using QModelIndex instead of QGenericModelItem. The model items are just too heavy.
Jobs fixed	-

Author	harald
Client	harald-morpork
Date	2003/11/11 21:26:08
Description	Here we go - first implementation of a database model
Jobs fixed	-

Author espenr
Client espenr-phobos
Date 2004/01/21 11:49:57
Description move new itemviews into qt4 (no they are not finished)
Jobs fixed -

Author	espenr
Client	espenr-phobos
Date	2004/02/11 20:06:25
Description	changed QGenericItemModel to have roles (Display, Decoration, ToolTip etc) and removed the use of "elements" everywhere. <snipp>
Jobs fixed	-

Author	mmonsen
Client	mmonsen-elysium
Date	2004/02/25 17:06:16
Description	`QGenericItemModel -> QAbstractItemModel.`
Jobs fixed	-

Complexity

Author mmonsen
Client mmonsen-elysium
Date 2004/05/04 18:22:39
Description `Add QPersistentModelIndex.`
Jobs fixed -

Author	rraggi
Client	rraggi-rabagast
Date	2004/07/01 17:13:10
Description	Initial implementation of the new Property Editor
Jobs fixed	-

2004/08/21 - 29

Akademy 2004

Author mmonsen
Client mmonsen-onyx
Date 2004/08/26 22:17:16
Description
```
Add QProxyModel.
The idea is that you can subclass
this model and use it for filtering
and sorting.
```
Jobs fixed -

Author mmonsen
Client mmonsen-elysium
Date 2004/10/22 19:25:11
Description Add a model pointer to QModelIndex.
Jobs fixed -

Towards the Goal

Author	espenr
Client	espenr-phobos
Date	2005/02/27 22:31:42
Description	`branch 4.0 from main`
Jobs fixed	-

2005/06/28

Qt 4.0 Released!!!

Work Continues

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Part 2

Disclaimer:

Marius, Espen, I want your baby

the five stages of grief

Denial

Anger

Bargaining

The Mutz Axiom

“the solution to every engineering problem is QProxyModel”

View

Model

political correctness proxy

sorting proxy

Stuff

View

Model

Stuff

political correctness proxy

Stuff

sorting proxy

Depression

- excessive minimalism
- missing error handling guidance
- hard to make transactional
- hard to implement undo
- tree complexity imposed on the table case

- treacherously public internalId/internalPointer
- unfortunately named QStandardItemModel
- "thou shall not work on foreign indexes" not enforced (NVI?)
- MVC, but not really

Acceptance

QAbstractItemView

QAbstractItemModel

political correctness proxy

View

sorting proxy

Stuff

Model

Controller

marius@cutehacks.com
till@kdab.com

John Scofield &
Pat Metheny
I CAN
SEE
YOUR
HOUSE
FROM
HERE

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