Ene

1.0.4

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1 Ene

About

This project is a simple music library as a homework in the context of our computer science studies. For more details about the source code please check out the documentation: https://vivi90.github.io/ene (Also available as PDF download: https://vivi90.github.io/ene/ene.pdf)

Naming

We have named it after the character 'Ene' from the anime 'Mekakucity Actors'.

Usage

Just compile it or use the attached binary file `bin/ene.jar`. Currently it supports only WAV (PCM) files. The library database is saved in a local SQLite file, called `library.db`. The playlist file is called `playlist.m3u`.

Features

- Create a simple music library
- Play tracks
- Sort tracks by artist, title or genre (ascending or descending)
- Filter tracks by artist, title or genre
- Create a playlist
- Currently available translations: English & German

Requirements

- Java Runtime Environment (tested with OpenJDK 8)
- Doxygen (only for contribution)

Contribution

Please issue **right after** cloning the following command to use all necessary hooks: `git config --local core.hooksPath .githooks`

Translation

Please take a look at the directory `src/ene/resources/locales`.

Troubleshooting

If you run this application on a Linux operating system, the sound doesn't work, and you get an `LineUnavailableException` in debug mode, then please force Java to use the Pulse Audio system by issuing: `padsp java -jar bin/ene.jar` You need to start this application with the `-d` argument to enable debug infos.

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Credits

- 2019 by Vivien Richter vivien-richter@outlook.de and Mathias Telling mathias.telling@stud.htwk-leipzig.de
- Our Git repository: https://github.com/vivi90/ene.git
- Application icon repository (by Google Limited): https://github.com/google/material-design-icons.git
- SQLite JDBC driver library repository: https://bitbucket.org/xerial/sqlite-jdbc

2 Namespace Index

2.1 Packages

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

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ene.controllers 8

ene.databases 9

ene.interfaces 9

ene.models 10

ene.views 10

ene.views.gui 10

ene.views.gui.partial 11

3 Hierarchical Index

3.1 Class Hierarchy

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

ene.controllers.AbstractController< LibraryModel > 12
ene.controllers.LibraryController 69
ene.controllers.AbstractController< PlayerModel > 12
ene.controllers.PlayerController 111
ene.controllers.AbstractController< PlaylistModel > 12
ene.controllers.PlaylistController 149
ene.views.AbstractMasterView< JFrame > 15
ene.views.AbstractMasterView< JTabbedPane > 15
ene.AbstractObject 22
ene.Application 52
ene.controllers.AbstractController< ModelType > 12
ene.databases.SQLDatabase 176
ene.models.AbstractModel 19
ene.models.PlayerModel 120
ene.models.TrackListModel 184
ene.models.LibraryModel 83
ene.models.PlaylistModel 159
ene.models.TrackModel 190
ene.views.AbstractView< CoreComponentType > 46
ene.views.AbstractMasterView< CoreComponentType > 15
ene.views.gui.partial.ContentView 57
ene.views.gui.WindowView 208
ene.views.AbstractPartialView< CoreComponentType, ModelType > 28
ene.views.gui.partial.AbstractTrackListView 32
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ene.views.gui.partial.PlaylistView 167
ene.views.gui.partial.PlayerView 137
ene.views.AbstractPartialView< JPanel, PlayerModel > 28
ene.views.AbstractPartialView< JPanel, TrackListModel > 28
ene.interfaces.Controller< ModelType > 61
ene.controllers.AbstractController< ModelType > 12
ene.interfaces.DatabaseConnection 63

ene.databases.SQLDatabase 176

ene.interfaces.Export 65

ene.controllers.LibraryController 69

ene.controllers.PlaylistController 149

ene.interfaces.Import 67

ene.controllers.LibraryController 69

ene.controllers.PlaylistController 149

ene.interfaces.Localization 98

ene.views.AbstractView< CoreComponentType > 46

ene.interfaces.Model 104

ene.models.AbstractModel 19

ene.interfaces.View< CoreComponentType > 204

ene.interfaces.MasterView< CoreComponentType > 101

ene.views.AbstractMasterView< CoreComponentType > 15

ene.interfaces.PartialView< CoreComponentType, ModelType > 107

ene.views.AbstractPartialView< CoreComponentType, ModelType > 28

ene.views.AbstractView< CoreComponentType > 46

LineListener

ene.models.PlayerModel 120

ListSelectionListener

ene.views.gui.partial.AbstractTrackListView 32

MouseListener

ene.views.gui.partial.AbstractTrackListView 32

4 Class Index

4.1 Class List

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

ene.controllers.AbstractController< ModelType > 12

ene.views.AbstractMasterView< CoreComponentType > 15

ene.models.AbstractModel 19

ene.AbstractObject 22

ene.views.AbstractPartialView< CoreComponentType, ModelType > 28

ene.views.gui.partial.AbstractTrackListView 32

ene.views.AbstractView< CoreComponentType > 46

ene.Application 52

ene.views.gui.partial.ContentView 57

ene.interfaces.Controller< ModelType > 61

ene.interfaces.DatabaseConnection 63

ene.interfaces.Export 65

ene.interfaces.Import 67

ene.controllers.LibraryController 69

ene.models.LibraryModel 83

ene.views.gui.partial.LibraryView 89

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ene.interfaces.MasterView< CoreComponentType > 101

ene.interfaces.Model 104

ene.interfaces.PartialView< CoreComponentType, ModelType > 107

ene.controllers.PlayerController 111

ene.models.PlayerModel 120

ene.views.gui.partial.PlayerView 137

ene.controllers.PlaylistController 149

ene.models.PlaylistModel 159

ene.views.gui.partial.PlaylistView 167

ene.databases.SQLDatabase 176

ene.models.TrackListModel 184

ene.models.TrackModel 190

ene.interfaces.View< CoreComponentType > 204

ene.views.gui.WindowView 208

5 File Index

5.1 File List

Here is a list of all files with brief descriptions:

src/ene/AbstractObject.java 212

src/ene/Application.java 213

src/ene/package-info.java 214

src/ene/controllers/AbstractController.java 213

src/ene/controllers/LibraryController.java 213

src/ene/controllers/package-info.java 213

src/ene/controllers/PlayerController.java 214

src/ene/controllers/PlaylistController.java 215

src/ene/databases/package-info.java 213

src/ene/databases/SQLDatabase.java 215

src/ene/interfaces/Controller.java 215

src/ene/interfaces/DatabaseConnection.java 215

src/ene/interfaces/Export.java 215

src/ene/interfaces/Import.java 216

src/ene/interfaces/Localization.java 216

src/ene/interfaces/MasterView.java 216

src/ene/interfaces/Model.java 216

src/ene/interfaces/package-info.java 214

src/ene/interfaces/PartialView.java 217

src/ene/interfaces/View.java 217

src/ene/models/AbstractModel.java 217

src/ene/models/LibraryModel.java 217

src/ene/models/package-info.java 214

src/ene/models/PlayerModel.java 217

src/ene/models/PlaylistModel.java 218

src/ene/models/TrackListModel.java 218

src/ene/models/TrackModel.java 218

src/ene/views/AbstractMasterView.java 218

src/ene/views/AbstractPartialView.java 219

src/ene/views/AbstractView.java 219

src/ene/views/package-info.java 214

src/ene/views/gui/package-info.java 214

src/ene/views/gui/WindowView.java 220

src/ene/views/gui/partial/AbstractTrackListView.java 219

src/ene/views/gui/partial/ContentView.java 219

src/ene/views/gui/partial/LibraryView.java 219

src/ene/views/gui/partial/package-info.java 214

src/ene/views/gui/partial/PlayerView.java 220

src/ene/views/gui/partial/PlaylistView.java 220

6 Namespace Documentation

6.1 Package ene

Packages

- package controllers
- package databases
- package interfaces
- package models
- package views

Classes

- class AbstractObject
- class Application

6.1.1 Detailed Description

Simple music library.

Version

1.0.4

6.2 Package ene.controllers

Classes

- class AbstractController
- class LibraryController
- class PlayerController
- class PlaylistController

6.2.1 Detailed Description

Controllers.

Since

0.2.0

6.3 Package ene.databases

Classes

- class SQLDatabase

6.3.1 Detailed Description

Databases.

Since

0.9.0

6.4 Package ene.interfaces

Classes

- interface Controller
- interface DatabaseConnection
- interface Export
- interface Import
- interface Localization
- interface MasterView
- interface Model
- interface PartialView
- interface View

6.4.1 Detailed Description

Interfaces.

Since

0.2.0

6.5 Package ene.models

Classes

- class AbstractModel
- class LibraryModel
- class PlayerModel
- class PlaylistModel
- class TrackListModel
- class TrackModel

6.5.1 Detailed Description

Data holding models.

Since

0.2.0

6.6 Package ene.views

Packages

- package gui

Classes

- class AbstractMasterView
- class AbstractPartialView
- class AbstractView

6.6.1 Detailed Description

Views.

Since

0.2.0

6.7 Package ene.views.gui

Packages

- package partial

Classes

- class WindowView

6.7.1 Detailed Description

GUI views.

Since

0.11.0

6.8 Package ene.views.gui.partial

Classes

- class AbstractTrackListView
- class ContentView
- class LibraryView
- class PlayerView
- class PlaylistView

6.8.1 Detailed Description

Partial GUI views.

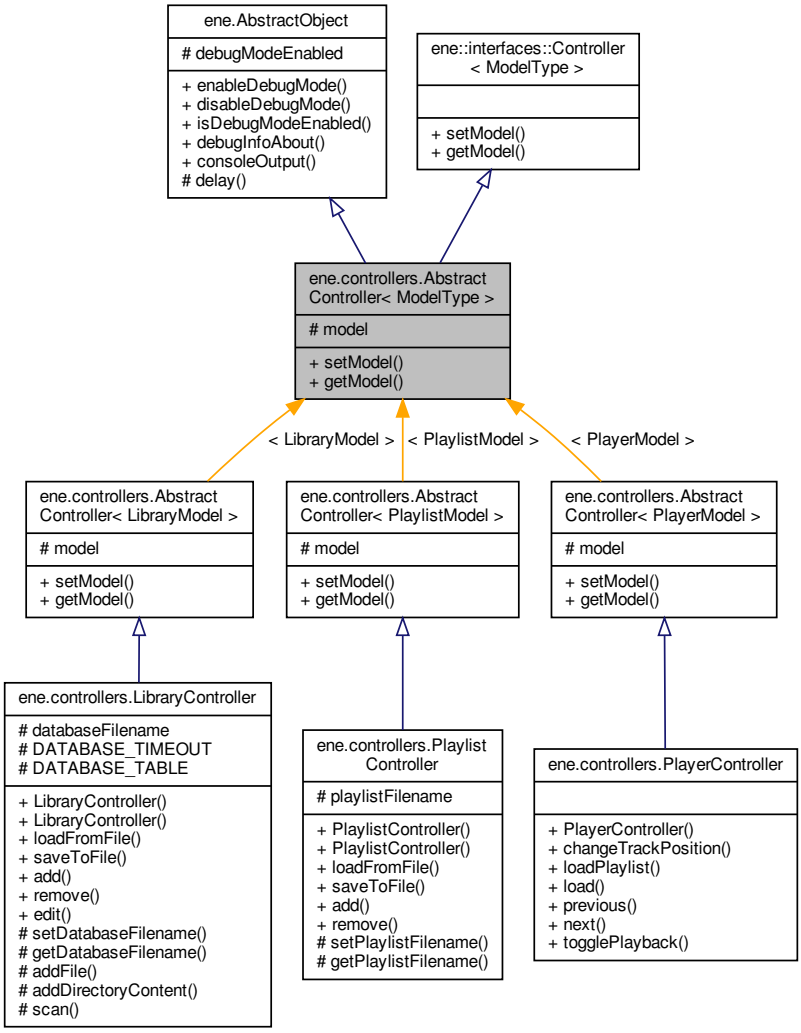
Since

0.11.0

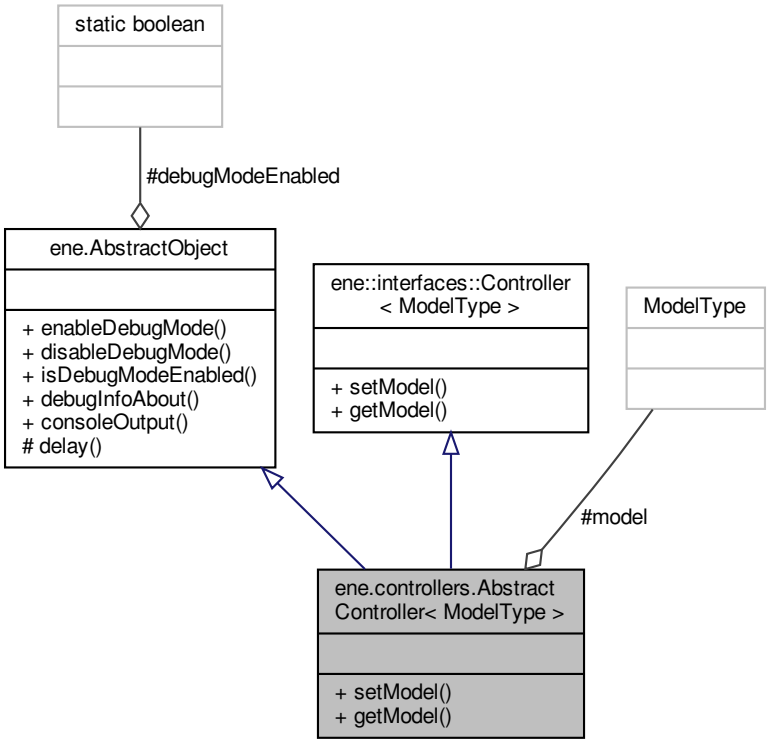
7 Class Documentation

7.1 ene.controllers.AbstractController< ModelType > Class Template Reference

Inheritance diagram for ene.controllers.AbstractController< ModelType >:



Collaboration diagram for ene.controllers.AbstractController< ModelType >:



Public Member Functions

- void setModel (Model model)
- ModelType getModel ()

Protected Attributes

- ModelType model

Additional Inherited Members

7.1.1 Detailed Description

Abstract controller.

Version

1.0.0

Definition at line 11 of file AbstractController.java.

7.1.2 Member Function Documentation

7.1.2.1 getModel()

```
ModelType ene.controllers.AbstractController< ModelType >.getModel ( )
```

Returns the model instance.

Returns

Model instance.

Implements ene.interfaces.Controller< ModelType >.

Definition at line 24 of file AbstractController.java.

7.1.2.2 setModel()

```
void ene.controllers.AbstractController< ModelType >.setModel (
            Model model )
```

Sets the model instance.

Parameters

model	Model instance.

Implements ene.interfaces.Controller< ModelType >.

Definition at line 19 of file AbstractController.java.

7.1.3 Member Data Documentation

7.1.3.1 model

```
ModelType ene.controllers.AbstractController< ModelType >.model  [protected]
```

Model instance.

Definition at line 15 of file AbstractController.java.

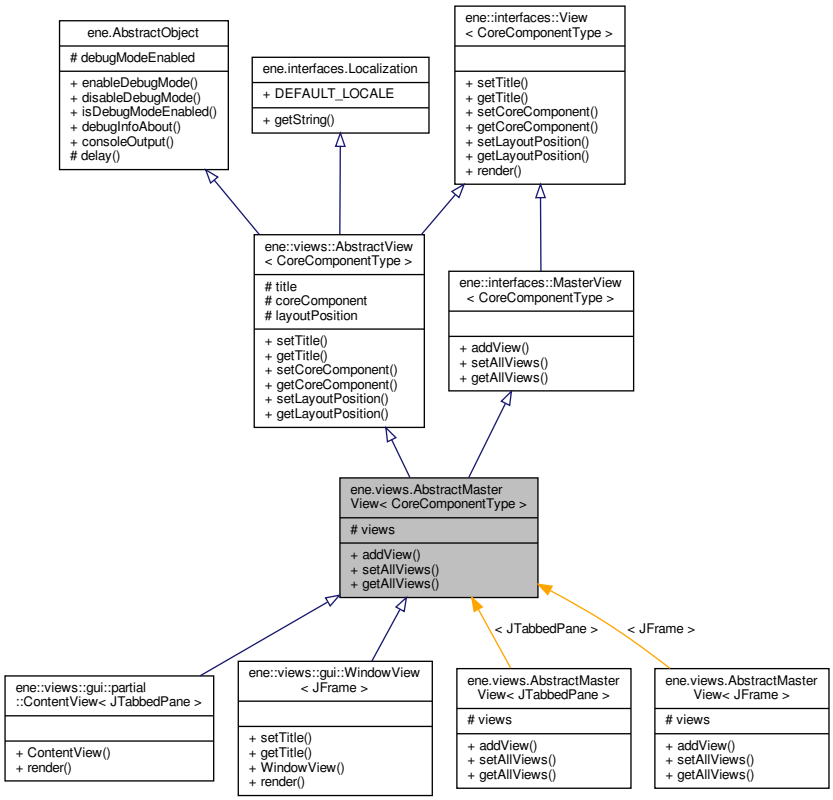
Referenced by ene.controllers.AbstractController< PlayerModel >.getModel().

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

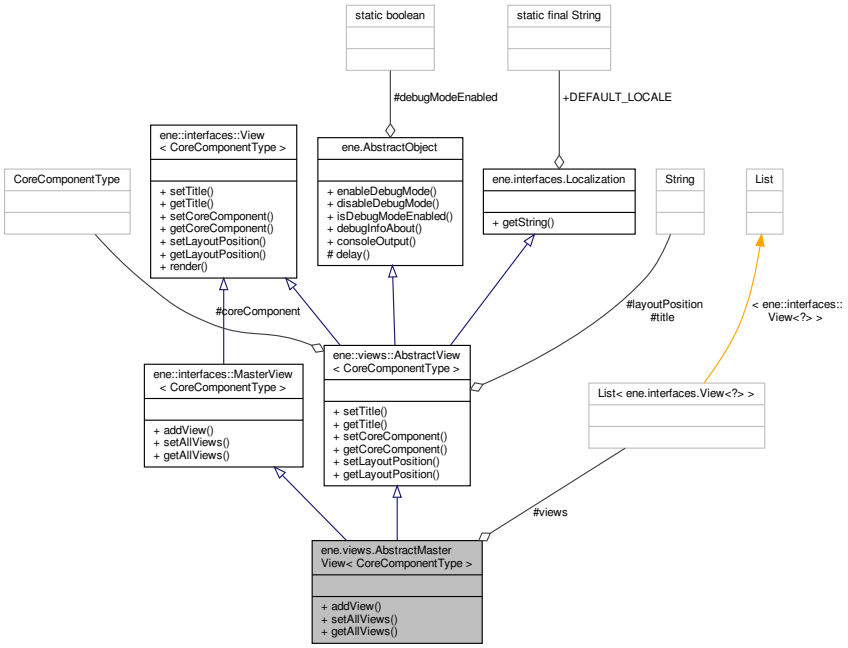
- src/ene/controllers/AbstractController.java

7.2 ene.views.AbstractMasterView< CoreComponentType > Class Template Reference

Inheritance diagram for ene.views.AbstractMasterView< CoreComponentType >:



Collaboration diagram for ene.views.AbstractMasterView< CoreComponentType >:



Public Member Functions

- void addView (View<?> view)
- void setAllViews (List< View<?>> views)
- List< View<?> > getAllViews ()

Protected Attributes

- List< View<?> > views = new ArrayList<>()

Additional Inherited Members

7.2.1 Detailed Description

Abstract master view.

Since

0.3.0

Version

1.0.0

Definition at line 14 of file AbstractMasterView.java.

7.2.2 Member Function Documentation

7.2.2.1 addView()

```
void ene.views.AbstractMasterView< CoreComponentType >.addView (
            View<?> view )
```

Adds view instance.

Parameters

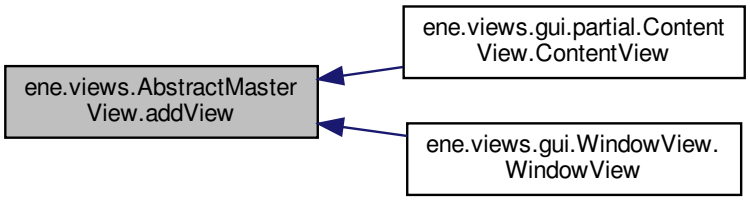
view	View instance.

Implements ene.interfaces.MasterView< CoreComponentType >.

Definition at line 21 of file AbstractMasterView.java.

Referenced by ene.views.gui.partial.ContentView.ContentView(), and ene.views.gui.WindowView.WindowView().

Here is the caller graph for this function:



7.2.2.2 getAllViews()

```
List<View<?> > ene.views.AbstractMasterView< CoreComponentType >.getAllViews ( )
```

Returns all contained view instances.

Returns

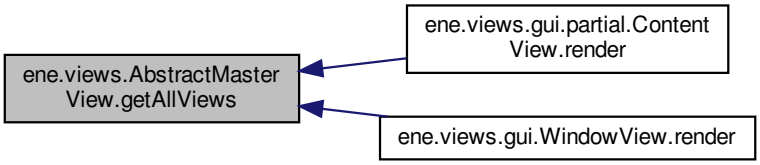
List of view instaces.

Implements ene.interfaces.MasterView< CoreComponentType >.

Definition at line 31 of file AbstractMasterView.java.

Referenced by ene.views.gui.partial.ContentView.render(), and ene.views.gui.WindowView.render().

Here is the caller graph for this function:



7.2.2.3 setAllViews()

```
void ene.views.AbstractMasterView< CoreComponentType >.setAllViews (
            List< View<?>> views )
```

Sets all contained view instances.

Parameters

views	List of view instaces.

Implements ene.interfaces.MasterView< CoreComponentType >.

Definition at line 26 of file AbstractMasterView.java.

7.2.3 Member Data Documentation

7.2.3.1 views

```
List<View<?> > ene.views.AbstractMasterView< CoreComponentType >.views = new ArrayList<>()
[protected]
```

Contained view instances.

Definition at line 18 of file AbstractMasterView.java.

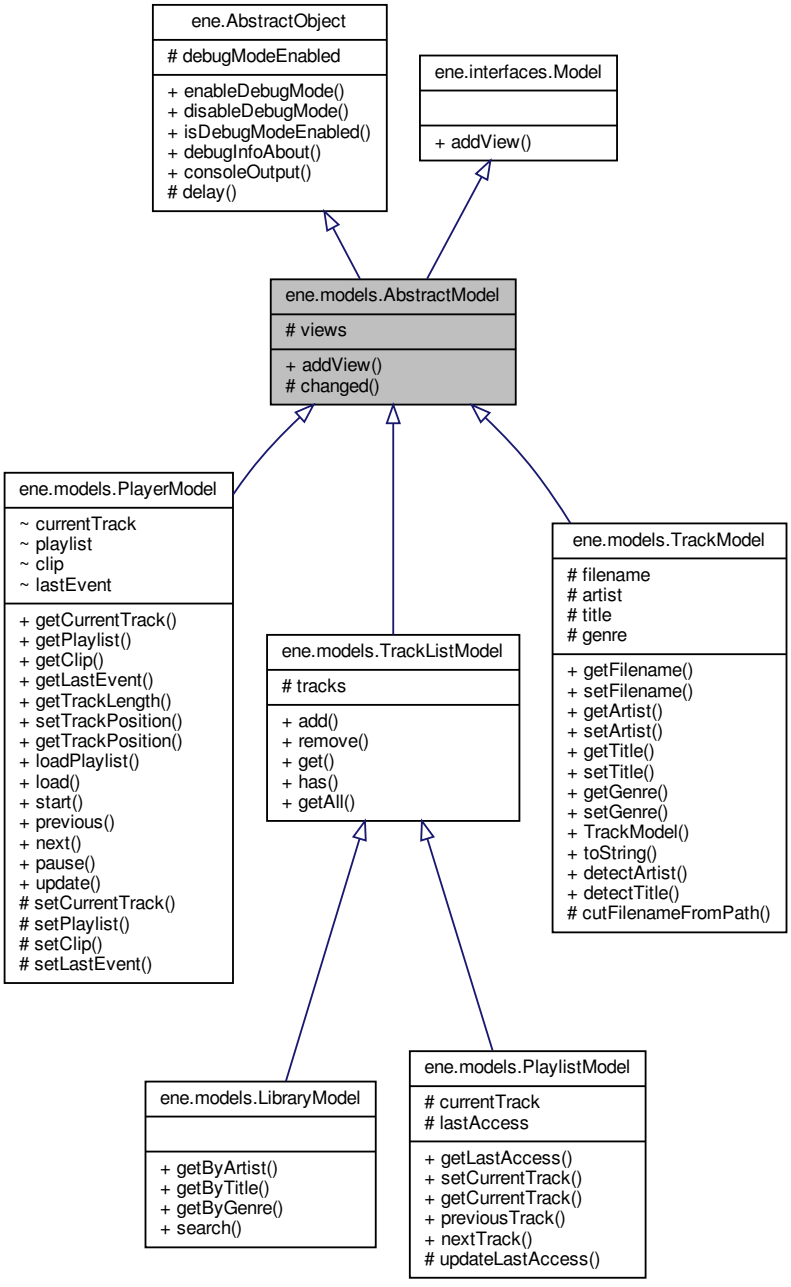
Referenced by ene.views.AbstractMasterView< JFrame >.getAllViews(), and ene.views.AbstractMasterView< J↩ Frame >.setAllViews().

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

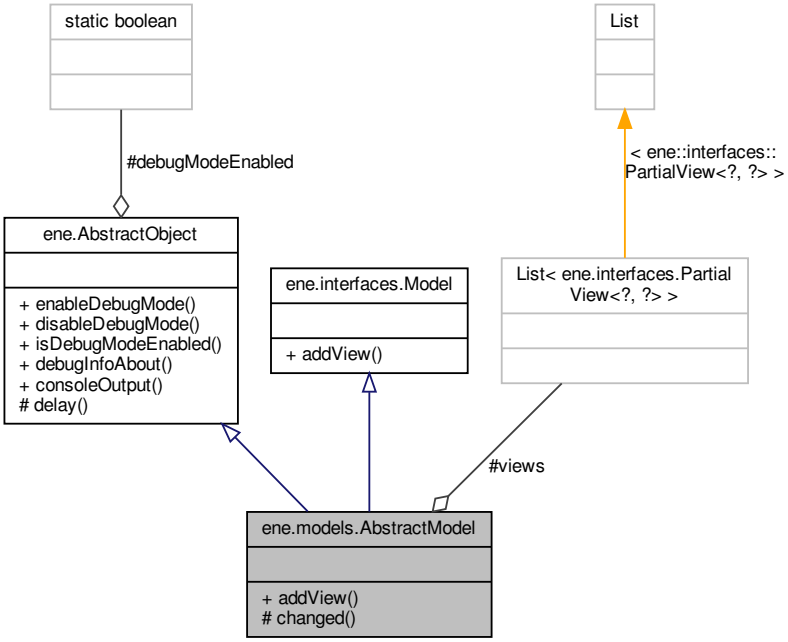
- src/ene/views/AbstractMasterView.java

7.3 ene.models.AbstractModel Class Reference

Inheritance diagram for ene.models.AbstractModel:



Collaboration diagram for ene.models.AbstractModel:



Public Member Functions

- void addView (PartialView<?, ?> view)

Protected Member Functions

- void changed ()

Protected Attributes

- List< PartialView<?, ?> > views = new ArrayList<>()

Additional Inherited Members

7.3.1 Detailed Description

Abstract model.

Version

2.0.0

Definition at line 13 of file AbstractModel.java.

7.3.2 Member Function Documentation

7.3.2.1 addView()

```
void ene.models.AbstractModel.addView (
            PartialView<?, ?> view )
```

Add related view.

Parameters

view	View.

Implements ene.interfaces.Model.

Definition at line 20 of file AbstractModel.java.

7.3.2.2 changed()

```
void ene.models.AbstractModel.changed ( )  [protected]
```

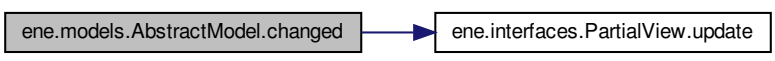
Update event.

Definition at line 27 of file AbstractModel.java.

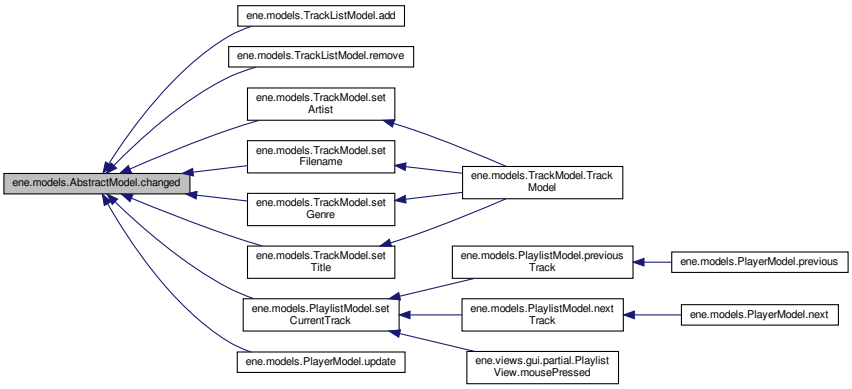
References ene.interfaces.PartialView< CoreComponentType, ModelType >.update().

Referenced by ene.models.TrackListModel.add(), ene.models.TrackListModel.remove(), ene.models.TrackModel.setArtist(), ene.models.PlaylistModel.setCurrentTrack(), ene.models.TrackModel.setFilename(), ene.models.TrackModel.setGenre(), ene.models.TrackModel.setTitle(), and ene.models.PlayerModel.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.3.3 Member Data Documentation

7.3.3.1 views

```
List<PartialView<?, ?> > ene.models.AbstractModel.views = new ArrayList<>()  [protected]
```

Related views.

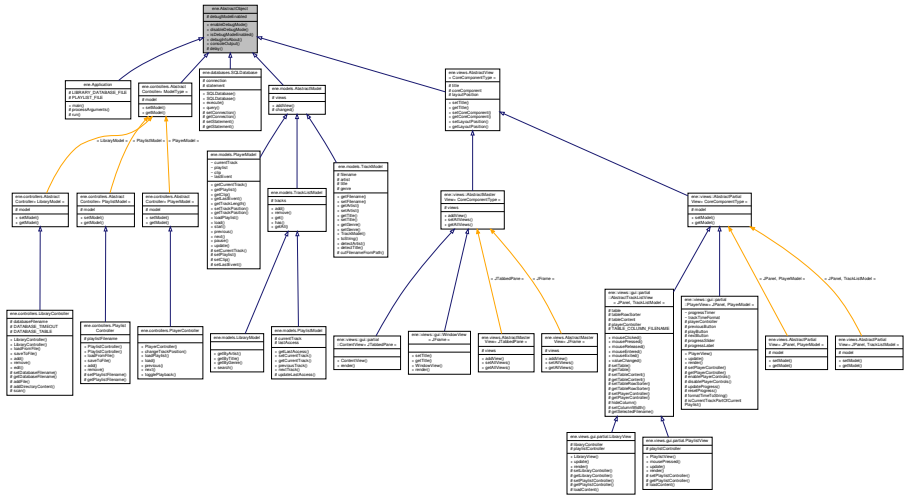
Definition at line 17 of file AbstractModel.java.

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

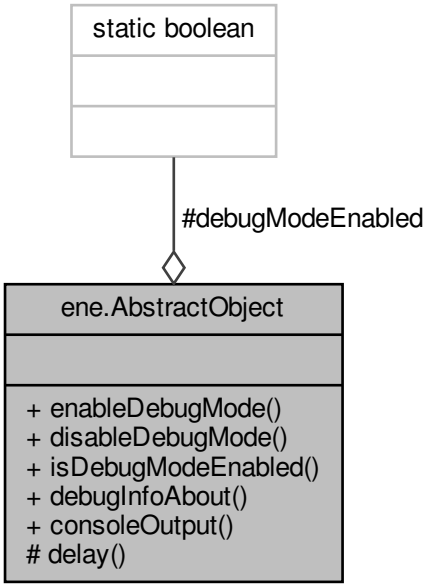
- src/ene/models/AbstractModel.java

7.4 ene.AbstractObject Class Reference

Inheritance diagram for ene.AbstractObject:



Collaboration diagram for ene.AbstractObject:



Static Public Member Functions

- static void enableDebugMode ()
- static void disableDebugMode ()
- static boolean isDebugModeEnabled ()
- static void debugInfoAbout (Object object)
- static void consoleOutput (String text)

Protected Member Functions

- void delay (long milliseconds)

Static Protected Attributes

- static boolean debugModeEnabled = false

7.4.1 Detailed Description

Abstract object class.

Since

0.4.0

Version

1.0.1

Definition at line 11 of file AbstractObject.java.

7.4.2 Member Function Documentation

7.4.2.1 consoleOutput()

```
static void ene.AbstractObject.consoleOutput (
            String text )  [static]
```

Console output.

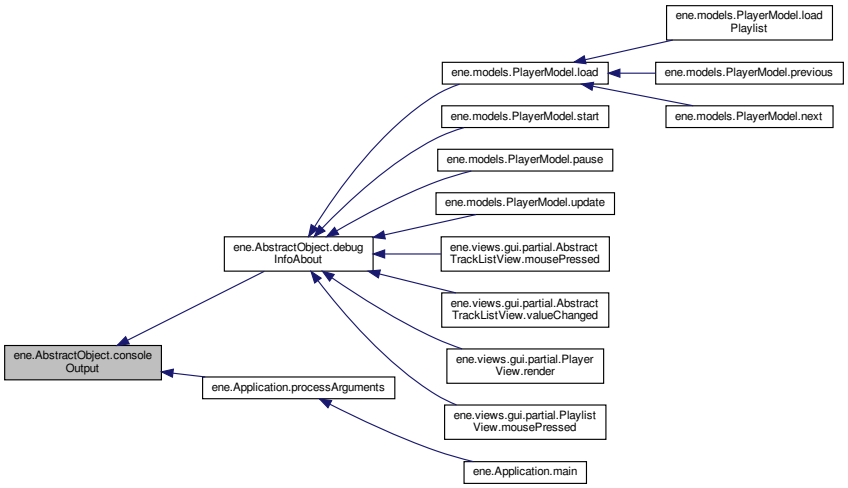
Parameters

text	Text.

Definition at line 53 of file AbstractObject.java.

Referenced by ene.AbstractObject.debugInfoAbout(), and ene.Application.processArguments().

Here is the caller graph for this function:



7.4.2.2 debugInfoAbout()

```
static void ene.AbstractObject.debugInfoAbout (
            Object object )  [static]
```

Debug info.

Parameters

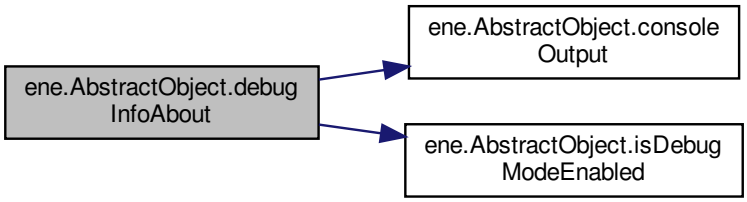
object	Object instance to show information about.

Definition at line 43 of file AbstractObject.java.

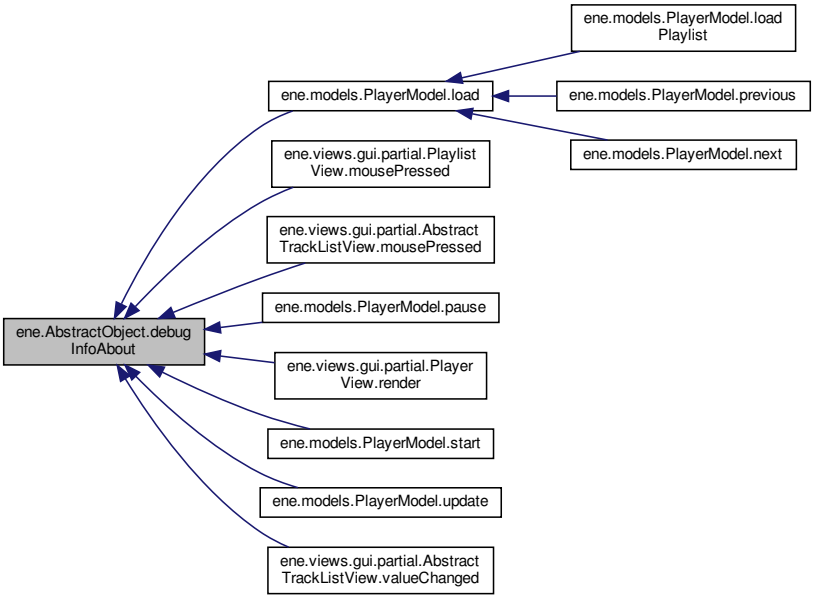
References ene.AbstractObject.consoleOutput(), and ene.AbstractObject.isDebugModeEnabled().

Referenced by ene.models.PlayerModel.load(), ene.views.gui.partial.PlaylistView.mousePressed(), ene.views.gui.partial.AbstractTrackListView.mousePressed(), ene.models.PlayerModel.pause(), ene.views.gui.partial.PlayerView.render(), ene.models.PlayerModel.start(), ene.models.PlayerModel.update(), and ene.views.gui.partial.AbstractTrackListView.valueChanged().

Here is the call graph for this function:



Here is the caller graph for this function:



7.4.2.3 delay()

```
void ene.AbstractObject.delay (
            long milliseconds )  [protected]
```

Let's wait for a while in the current thread.

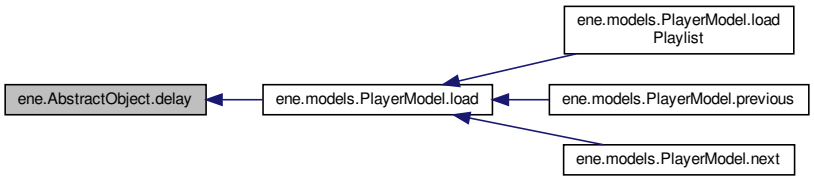
Parameters

milliseconds	Wait time in milliseconds.

Definition at line 61 of file AbstractObject.java.

Referenced by ene.models.PlayerModel.load().

Here is the caller graph for this function:



7.4.2.4 disableDebugMode()

```
static void ene.AbstractObject.disableDebugMode ( )  [static]
```

Disables debug mode.

Definition at line 27 of file AbstractObject.java.

References ene.AbstractObject.debugModeEnabled.

7.4.2.5 enableDebugMode()

```
static void ene.AbstractObject.enableDebugMode ( )  [static]
```

Enables debug mode.

Definition at line 20 of file AbstractObject.java.

References ene.AbstractObject.debugModeEnabled.

Referenced by ene.Application.processArguments().

Here is the caller graph for this function:

7.4.2.6 isDebugModeEnabled()

```
static boolean ene.AbstractObject.isDebugModeEnabled ( )  [static]
```

Returns debug mode state.

Returns

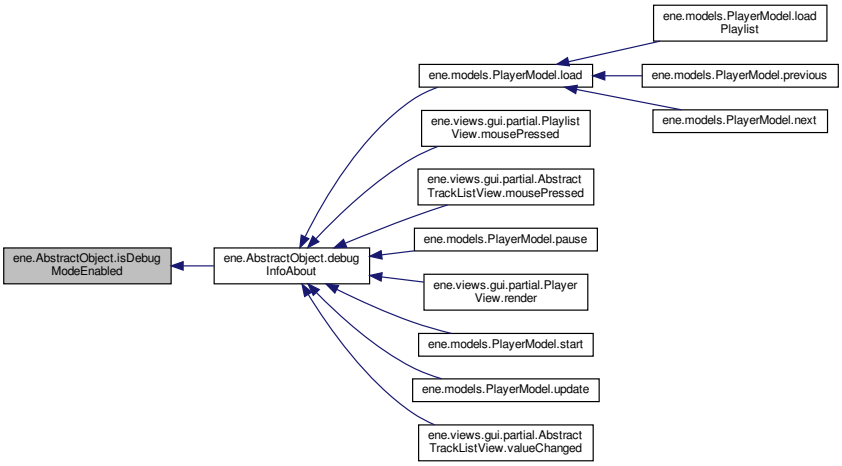
Returns TRUE, if the debug mode is enabled. Otherwise FALSE.

Definition at line 35 of file AbstractObject.java.

References ene.AbstractObject.debugModeEnabled.

Referenced by ene.AbstractObject.debugInfoAbout().

Here is the caller graph for this function:



7.4.3 Member Data Documentation

7.4.3.1 debugModeEnabled

```
boolean ene.AbstractObject.debugModeEnabled = false  [static], [protected]
```

Debug mode state.

Definition at line 15 of file AbstractObject.java.

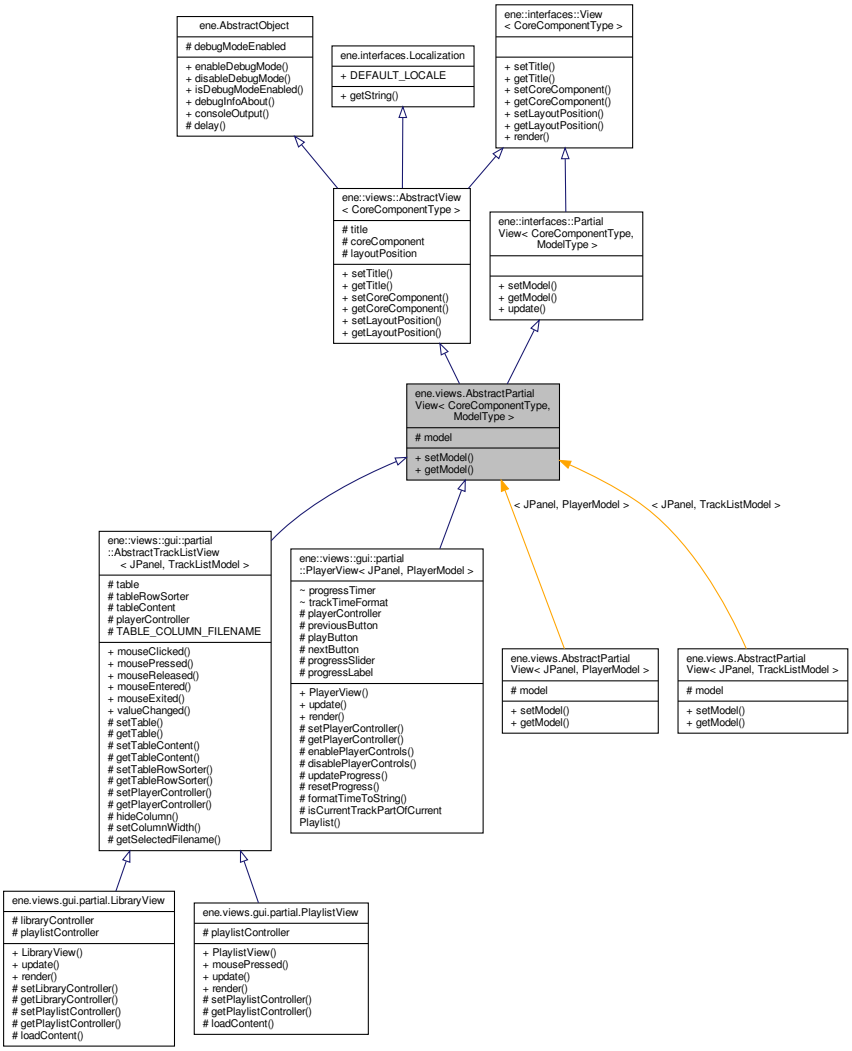
Referenced by ene.AbstractObject.disableDebugMode(), ene.AbstractObject.enableDebugMode(), and ene.↩ AbstractObject.isDebugModeEnabled().

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

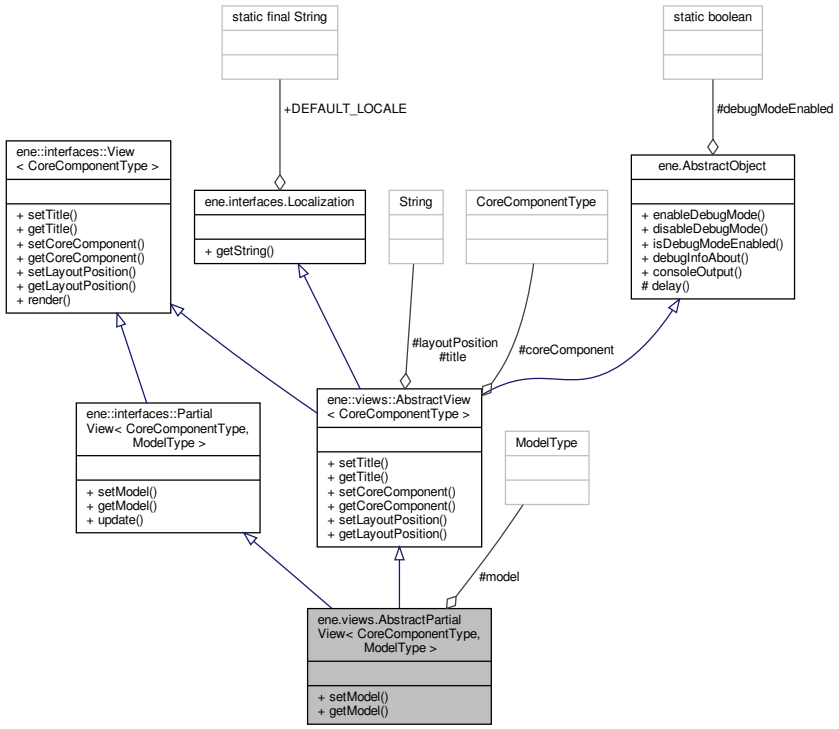
- src/ene/AbstractObject.java

7.5 ene.views.AbstractPartialView< CoreComponentType, ModelType > Class Template Reference

Inheritance diagram for ene.views.AbstractPartialView< CoreComponentType, ModelType >:



Collaboration diagram for ene.views.AbstractPartialView< CoreComponentType, ModelType >:



Public Member Functions

- void setModel (Model model)
- ModelType getModel ()

Protected Attributes

- ModelType model

Additional Inherited Members

7.5.1 Detailed Description

Abstract partial view.

Since

0.11.0

Version

1.0.0

Definition at line 12 of file AbstractPartialView.java.

7.5.2 Member Function Documentation

7.5.2.1 getModel()

```
ModelType ene.views.AbstractPartialView< CoreComponentType, ModelType >.getModel ( )
```

Returns the model instance.

Returns

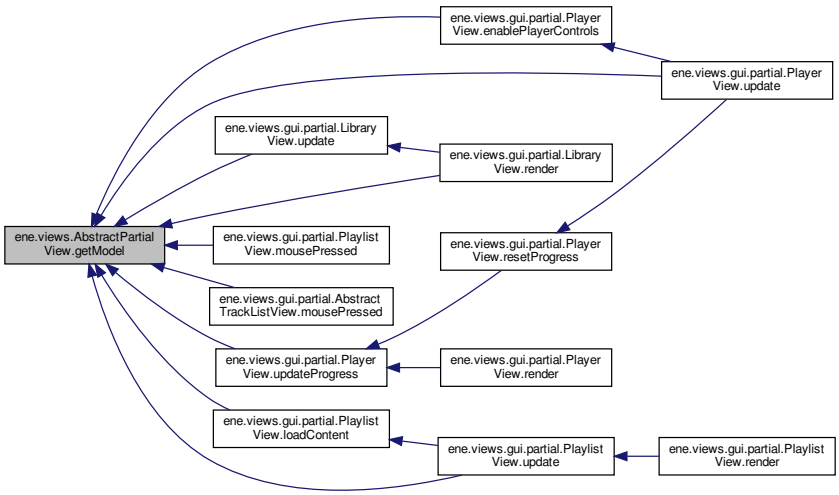
Model instance.

Implements ene.interfaces.PartialView< CoreComponentType, ModelType >.

Definition at line 25 of file AbstractPartialView.java.

Referenced by ene.views.gui.partial.PlayerView.enablePlayerControls(), ene.views.gui.partial.PlaylistView.loadContent(), ene.views.gui.partial.PlaylistView.mousePressed(), ene.views.gui.partial.AbstractTrackListView.mousePressed(), ene.views.gui.partial.LibraryView.render(), ene.views.gui.partial.PlaylistView.update(), ene.views.gui.partial.LibraryView.update(), ene.views.gui.partial.PlayerView.update(), and ene.views.gui.partial.PlayerView.updateProgress().

Here is the caller graph for this function:



7.5.2.2 setModel()

```
void ene.views.AbstractPartialView< CoreComponentType, ModelType >.setModel (
            Model model )
```

Sets the model instance.

Parameters

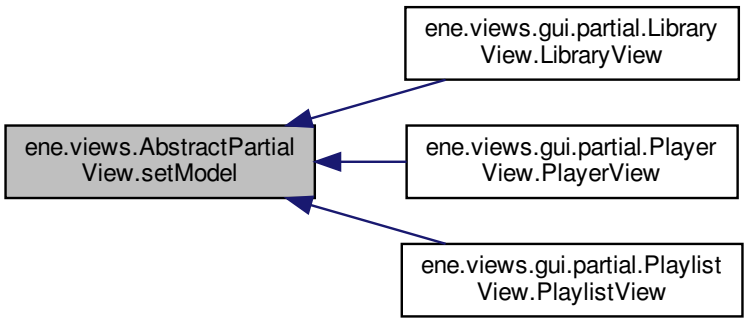
model	Model instance.

Implements ene.interfaces.PartialView< CoreComponentType, ModelType >.

Definition at line 20 of file AbstractPartialView.java.

Referenced by ene.views.gui.partial.LibraryView.LibraryView(), ene.views.gui.partial.PlayerView.PlayerView(), and ene.views.gui.partial.PlaylistView.PlaylistView().

Here is the caller graph for this function:



7.5.3 Member Data Documentation

7.5.3.1 model

```
ModelType ene.views.AbstractPartialView< CoreComponentType, ModelType >.model  [protected]
```

Model instance.

Definition at line 16 of file AbstractPartialView.java.

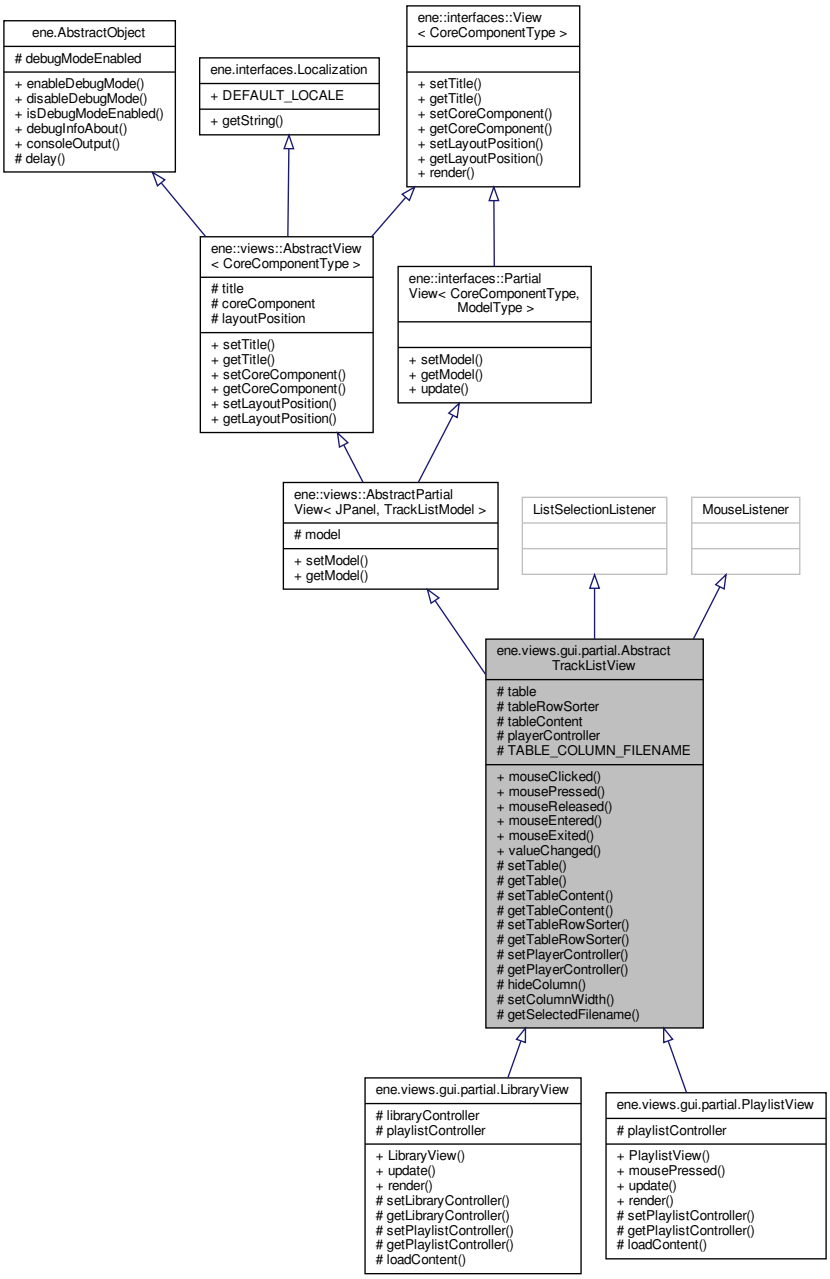
Referenced by ene.views.AbstractPartialView< JPanel, TrackListModel >.getModel().

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

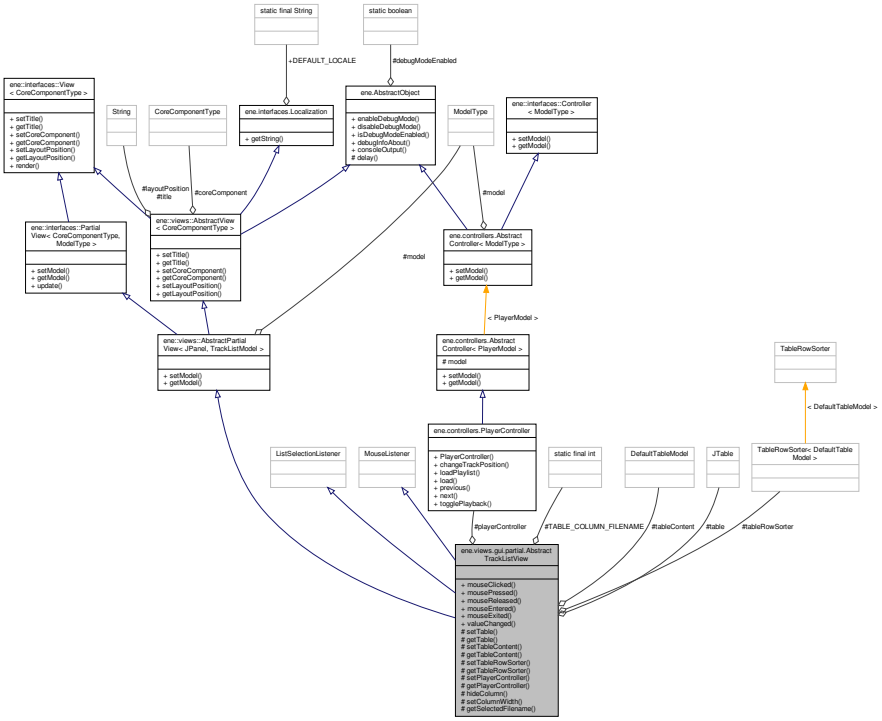
- src/ene/views/AbstractPartialView.java

7.6 ene.views.gui.partial.AbstractTrackListView Class Reference

Inheritance diagram for ene.views.gui.partial.AbstractTrackListView:



Collaboration diagram for ene.views.gui.partial.AbstractTrackListView:



Public Member Functions

- void mouseClicked (MouseEvent event)
- void mousePressed (MouseEvent event)
- void mouseReleased (MouseEvent event)
- void mouseEntered (MouseEvent event)
- void mouseExited (MouseEvent event)
- void valueChanged (ListSelectionEvent event)

Protected Member Functions

- void setTable (JTable table)
- JTable getTable ()
- void setTableContent (DefaultTableModel tableContent)
- DefaultTableModel getTableContent ()
- void setTableRowSorter (TableRowSorter< DefaultTableModel > tableRowSorter)
- TableRowSorter< DefaultTableModel > getTableRowSorter ()
- void setPlayerController (Controller<?> playerController)
- PlayerController getPlayerController ()
- void hideColumn (JTable table, int columnIndex)
- void setColumnWidth (JTable table, int columnIndex, int width)
- String getSelectedFilename ()

Protected Attributes

- JTable table
- TableRowSorter< DefaultTableModel > tableRowSorter
- DefaultTableModel tableContent
- PlayerController playerController

Static Protected Attributes

- static final int TABLE_COLUMN_FILENAME = 0

Additional Inherited Members

7.6.1 Detailed Description

Track list view.

Since

0.14.0

Version

2.2.0

Definition at line 21 of file AbstractTrackListView.java.

7.6.2 Member Function Documentation

7.6.2.1 getPlayerController()

```
PlayerController ene.views.gui.partial.AbstractTrackListView.getPlayerController ( )  [protected]
```

Returns the player controller instance.

Returns

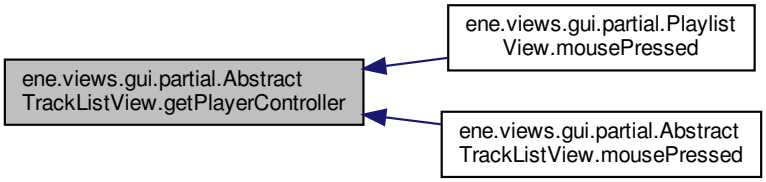
Player controller instance.

Definition at line 118 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.playerController.

Referenced by ene.views.gui.partial.PlaylistView.mousePressed(), and ene.views.gui.partial.AbstractTrackList↩View.mousePressed().

Here is the caller graph for this function:



7.6.2.2 getSelectedFilename()

```
String ene.views.gui.partial.AbstractTrackListView.getSelectedFilename ( )  [protected]
```

Returns the selected filename.

Returns

Selected filename or empty string, if nothing is selected.

Since

0.12.0

Version

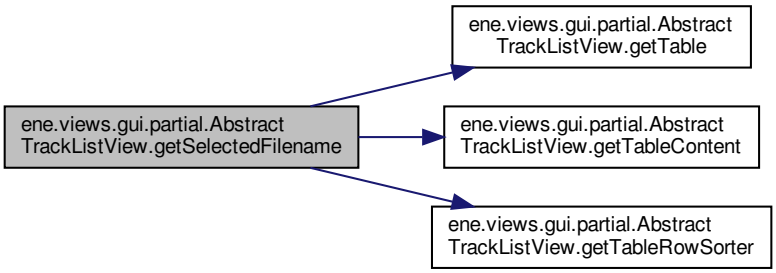
1.1.1

Definition at line 152 of file AbstractTrackListView.java.

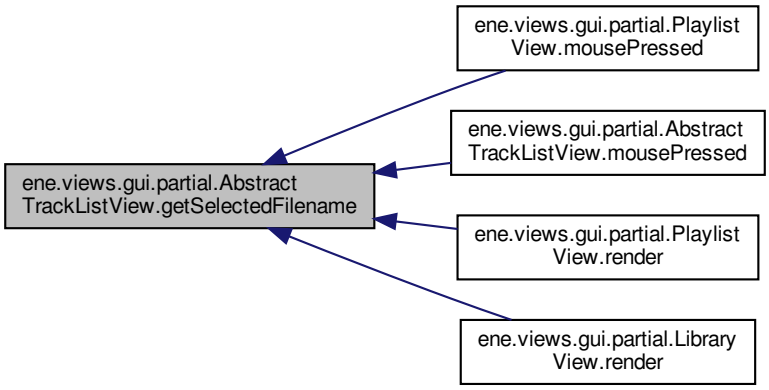
References ene.views.gui.partial.AbstractTrackListView.getTable(), ene.views.gui.partial.AbstractTrackListView.↩ getTableContent(), and ene.views.gui.partial.AbstractTrackListView.getTableRowSorter().

Referenced by ene.views.gui.partial.PlaylistView.mousePressed(), ene.views.gui.partial.AbstractTrackListView.↩ mousePressed(), ene.views.gui.partial.PlaylistView.render(), and ene.views.gui.partial.LibraryView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.6.2.3 getTable()

```
JTable ene.views.gui.partial.AbstractTrackListView.getTable ( )  [protected]
```

Returns the table instance.

Returns

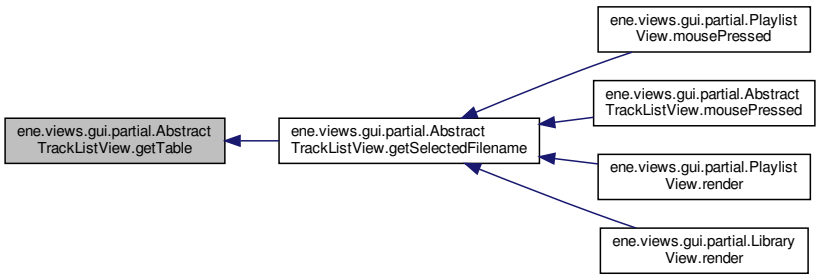
Table instance.

Definition at line 69 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.table.

Referenced by ene.views.gui.partial.AbstractTrackListView.getSelectedFilename().

Here is the caller graph for this function:



7.6.2.4 getTableContent()

```
DefaultTableModel ene.views.gui.partial.AbstractTrackListView.getTableContent ( )  [protected]
```

Returns the table content instance.

Returns

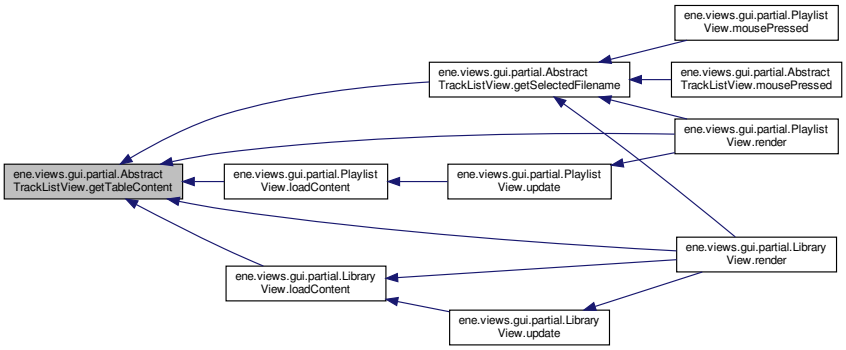
Table content instance.

Definition at line 85 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.tableContent.

Referenced by ene.views.gui.partial.AbstractTrackListView.getSelectedFilename(), ene.views.gui.partial.PlaylistView.loadContent(), ene.views.gui.partial.LibraryView.loadContent(), ene.views.gui.partial.PlaylistView.render(), and ene.views.gui.partial.LibraryView.render().

Here is the caller graph for this function:



7.6.2.5 getTableRowSorter()

```
TableRowSorter<DefaultTableModel> ene.views.gui.partial.AbstractTrackListView.getTableRow↩
Sorter ( )  [protected]
```

Returns the table row sorter instance.

Returns

Table row sorter instance.

Since

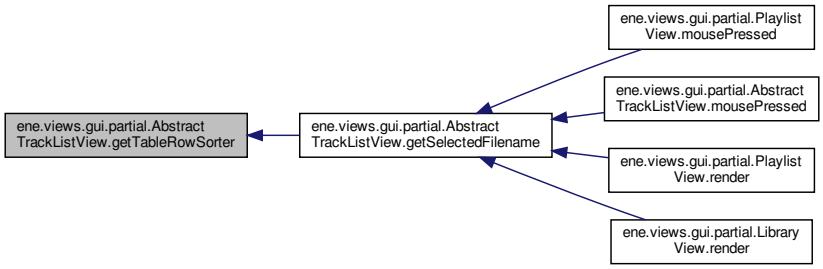
0.18.0

Definition at line 103 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.tableRowSorter.

Referenced by ene.views.gui.partial.AbstractTrackListView.getSelectedFilename().

Here is the caller graph for this function:



7.6.2.6 hideColumn()

```
void ene.views.gui.partial.AbstractTrackListView.hideColumn (
            JTable table,
            int columnIndex )  [protected]
```

Hide table column.

Parameters

table	Table instance.
columnIndex	Column index.

Version

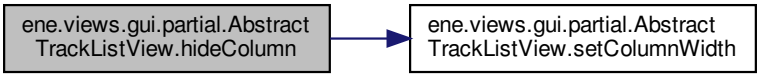
1.1.0

Definition at line 128 of file AbstractTrackListView.java.

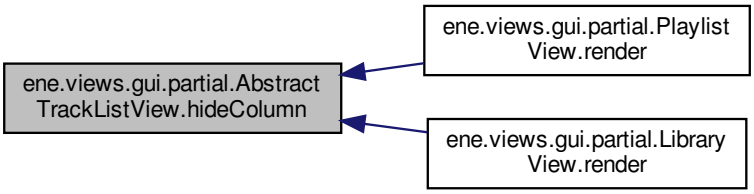
References ene.views.gui.partial.AbstractTrackListView.setColumnWidth().

Referenced by ene.views.gui.partial.PlaylistView.render(), and ene.views.gui.partial.LibraryView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.6.2.7 mouseClicked()

```
void ene.views.gui.partial.AbstractTrackListView.mouseClicked (
            MouseEvent event )
```

Definition at line 173 of file AbstractTrackListView.java.

7.6.2.8 mouseEntered()

```
void ene.views.gui.partial.AbstractTrackListView.mouseEntered (
            MouseEvent event )
```

Definition at line 189 of file AbstractTrackListView.java.

7.6.2.9 mouseExited()

```
void ene.views.gui.partial.AbstractTrackListView.mouseExited (
            MouseEvent event )
```

Definition at line 192 of file AbstractTrackListView.java.

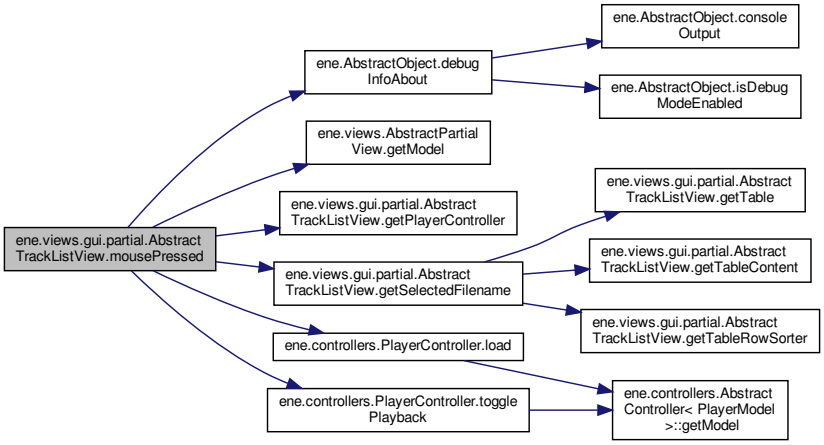
7.6.2.10 mousePressed()

```
void ene.views.gui.partial.AbstractTrackListView.mousePressed (
            MouseEvent event )
```

Definition at line 176 of file AbstractTrackListView.java.

References ene.AbstractObject.debugInfoAbout(), ene.views.AbstractPartialView< CoreComponentType, Model↩ Type >.getModel(), ene.views.gui.partial.AbstractTrackListView.getPlayerController(), ene.views.gui.partial.↩ AbstractTrackListView.getSelectedFilename(), ene.controllers.PlayerController.load(), and ene.controllers.Player↩ Controller.togglePlayback().

Here is the call graph for this function:



7.6.2.11 mouseReleased()

```
void ene.views.gui.partial.AbstractTrackListView.mouseReleased (
            MouseEvent event )
```

Definition at line 186 of file AbstractTrackListView.java.

7.6.2.12 setColumnWidth()

```
void ene.views.gui.partial.AbstractTrackListView.setColumnWidth (
            JTable table,
            int columnIndex,
            int width )  [protected]
```

Sets table column width.

Parameters

table	Table instance.
columnIndex	Column index.
width	Column width.

Since

1.0.0

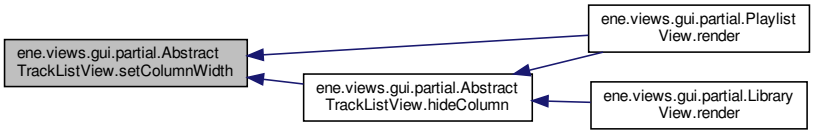
Version

1.0.0

Definition at line 140 of file AbstractTrackListView.java.

Referenced by ene.views.gui.partial.AbstractTrackListView.hideColumn(), and ene.views.gui.partial.PlaylistView.↩ render().

Here is the caller graph for this function:



7.6.2.13 setPlayerController()

```
void ene.views.gui.partial.AbstractTrackListView.setPlayerController (
            Controller<?> playerController ) [protected]
```

Sets the player controller instance.

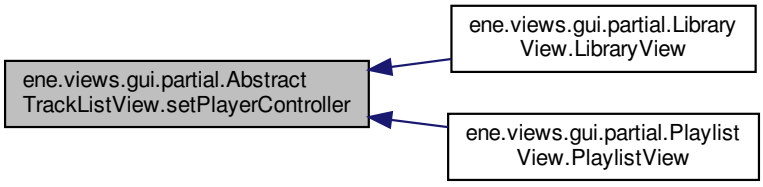
Parameters

playerController	Player controller instance.

Definition at line 110 of file AbstractTrackListView.java.

Referenced by ene.views.gui.partial.LibraryView.LibraryView(), and ene.views.gui.partial.PlaylistView.Playlist↩ View().

Here is the caller graph for this function:



7.6.2.14 setTable()

```
void ene.views.gui.partial.AbstractTrackListView.setTable (
            JTable table )  [protected]
```

Sets the table instance.

Parameters

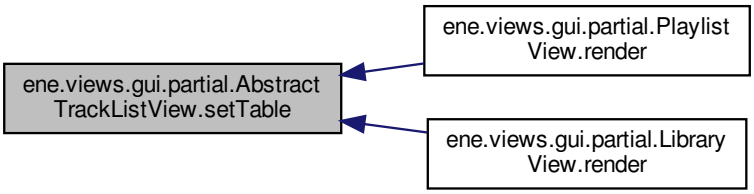
table	Table instance.

Definition at line 61 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.table.

Referenced by ene.views.gui.partial.PlaylistView.render(), and ene.views.gui.partial.LibraryView.render().

Here is the caller graph for this function:



7.6.2.15 setTableContent()

```
void ene.views.gui.partial.AbstractTrackListView.setTableContent (
            DefaultTableModel tableContent )  [protected]
```

Sets the table content instance.

Parameters

tableContent	Table content instance.

Definition at line 77 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.tableContent.

7.6.2.16 setTableRowSorter()

```
void ene.views.gui.partial.AbstractTrackListView.setTableRowSorter (
            TableRowSorter< DefaultTableModel > tableRowSorter )  [protected]
```

Sets the table row sorter instance.

Parameters

tableRowSorter	Table row sorter instance.

Since

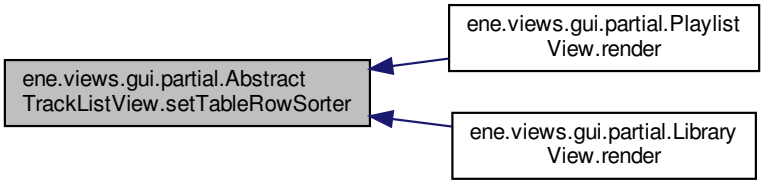
0.18.0

Definition at line 94 of file AbstractTrackListView.java.

References ene.views.gui.partial.AbstractTrackListView.tableRowSorter.

Referenced by ene.views.gui.partial.PlaylistView.render(), and ene.views.gui.partial.LibraryView.render().

Here is the caller graph for this function:



7.6.2.17 valueChanged()

```
void ene.views.gui.partial.AbstractTrackListView.valueChanged (
            ListSelectionEvent event )
```

Definition at line 195 of file AbstractTrackListView.java.

References ene.AbstractObject.debugInfoAbout().

Here is the call graph for this function:

7.6.3 Member Data Documentation

7.6.3.1 playerController

```
PlayerController ene.views.gui.partial.AbstractTrackListView.playerController  [protected]
```

Player controller instance.

Definition at line 55 of file AbstractTrackListView.java.

Referenced by ene.views.gui.partial.AbstractTrackListView.getPlayerController(), and ene.views.gui.partial.↩ PlaylistView.mousePressed().

7.6.3.2 table

```
JTable ene.views.gui.partial.AbstractTrackListView.table  [protected]
```

Table instance.

Definition at line 30 of file AbstractTrackListView.java.

Referenced by ene.views.gui.partial.AbstractTrackListView.getTable(), ene.views.gui.partial.PlaylistView.render(), ene.views.gui.partial.LibraryView.render(), and ene.views.gui.partial.AbstractTrackListView.setTable().

7.6.3.3 TABLE_COLUMN_FILENAME

```
final int ene.views.gui.partial.AbstractTrackListView.TABLE_COLUMN_FILENAME = 0  [static],
[protected]
```

File path table column.

Definition at line 25 of file AbstractTrackListView.java.

Referenced by ene.views.gui.partial.PlaylistView.render(), and ene.views.gui.partial.LibraryView.render().

7.6.3.4 tableContent

```
DefaultTableModel ene.views.gui.partial.AbstractTrackListView.tableContent  [protected]
```

Initial value:

```
= new DefaultTableModel() {

        private static final long serialVersionUID = 1L;

        @Override
        public boolean isCellEditable(int row, int column) {
            return false;
        }
    }
```

Table content instance.

Definition at line 40 of file AbstractTrackListView.java.

Referenced by ene.views.gui.partial.AbstractTrackListView.getTableContent(), ene.views.gui.partial.PlaylistView.↩ loadContent(), ene.views.gui.partial.LibraryView.loadContent(), ene.views.gui.partial.PlaylistView.render(), ene.↩ views.gui.partial.LibraryView.render(), and ene.views.gui.partial.AbstractTrackListView.setTableContent().

7.6.3.5 tableRowSorter

```
TableRowSorter<DefaultTableModel> ene.views.gui.partial.AbstractTrackListView.tableRowSorter
[protected]
```

Table row sorter instance.

Definition at line 35 of file AbstractTrackListView.java.

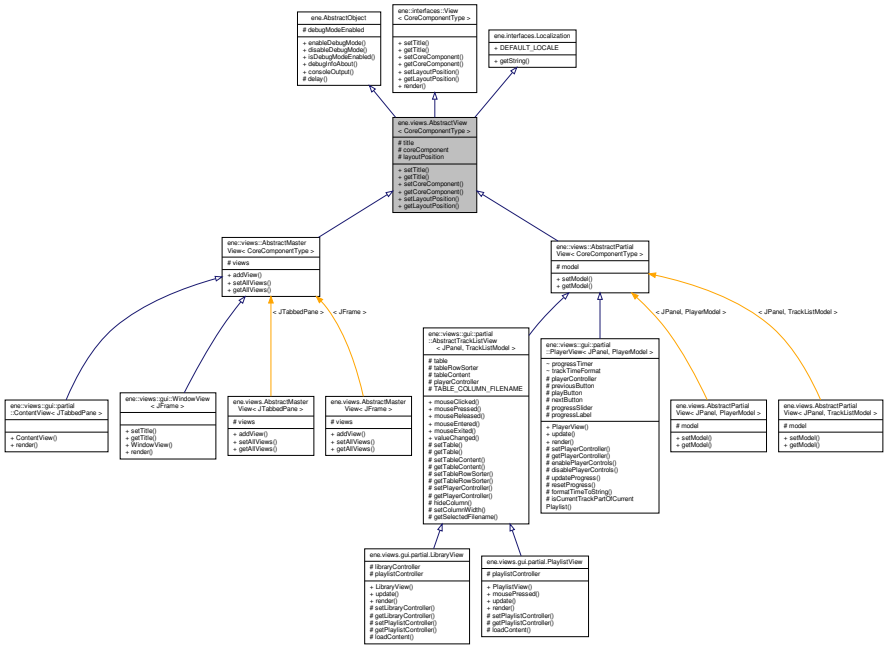
Referenced by ene.views.gui.partial.AbstractTrackListView.getTableRowSorter(), ene.views.gui.partial.Playlist↩ View.render(), ene.views.gui.partial.LibraryView.render(), and ene.views.gui.partial.AbstractTrackListView.set↩ TableRowSorter().

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

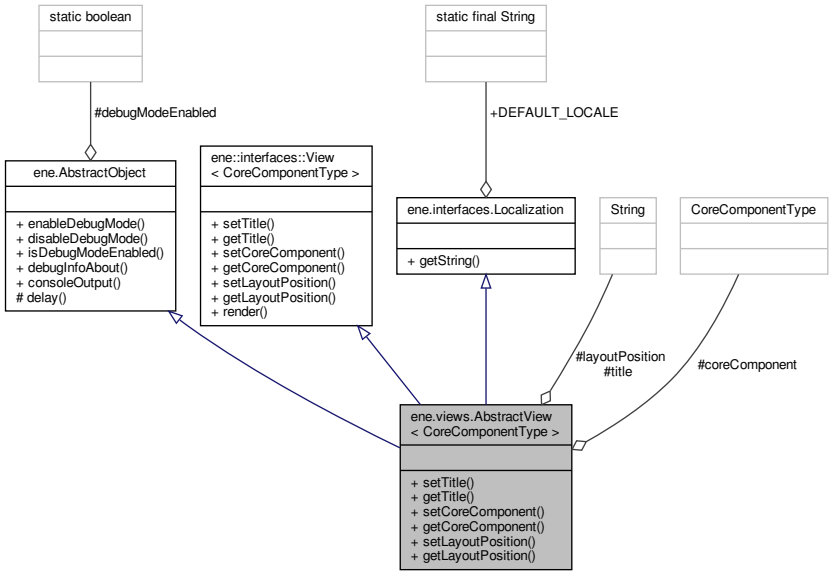
- src/ene/views/gui/partial/AbstractTrackListView.java

7.7 ene.views.AbstractView< CoreComponentType > Class Template Reference

Inheritance diagram for ene.views.AbstractView< CoreComponentType >:



Collaboration diagram for ene.views.AbstractView< CoreComponentType >:



Public Member Functions

- void setTitle (String title)

- String getTitle ()
- void setCoreComponent (CoreComponentType coreComponent)
- CoreComponentType getCoreComponent ()
- void setLayoutPosition (String layoutPosition)
- String getLayoutPosition ()

Protected Attributes

- String title = ""
- CoreComponentType coreComponent
- String layoutPosition

Additional Inherited Members

7.7.1 Detailed Description

Abstract view.

Version

1.1.0

Definition at line 11 of file AbstractView.java.

7.7.2 Member Function Documentation

7.7.2.1 getCoreComponent()

```
CoreComponentType ene.views.AbstractView< CoreComponentType >.getCoreComponent ( )
```

Returns the core component instance.

Returns

Core component instance.

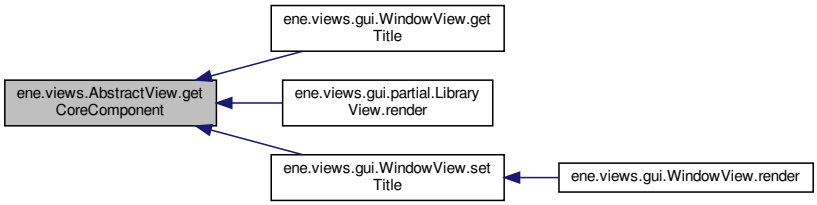
Implements ene.interfaces.View< CoreComponentType >.

Definition at line 43 of file AbstractView.java.

References ene.views.AbstractView< CoreComponentType >.coreComponent.

Referenced by ene.views.gui.WindowView.getTitle(), ene.views.gui.partial.LibraryView.render(), and ene.views.gui.WindowView.setTitle().

Here is the caller graph for this function:



7.7.2.2 getLayoutPosition()

```
String ene.views.AbstractView< CoreComponentType >.getLayoutPosition ( )
```

Returns the layout position.

Returns

Layout position.

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 53 of file AbstractView.java.

References ene.views.AbstractView< CoreComponentType >.layoutPosition.

7.7.2.3 getTitle()

```
String ene.views.AbstractView< CoreComponentType >.getTitle ( )
```

Returns the title.

Returns

Title.

Since

0.13.0

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 33 of file AbstractView.java.

References ene.views.AbstractView< CoreComponentType >.title.

7.7.2.4 setCoreComponent()

```
void ene.views.AbstractView< CoreComponentType >.setCoreComponent (
            CoreComponentType coreComponent )
```

Sets the core component instance.

Parameters

coreComponent	Core component instance.

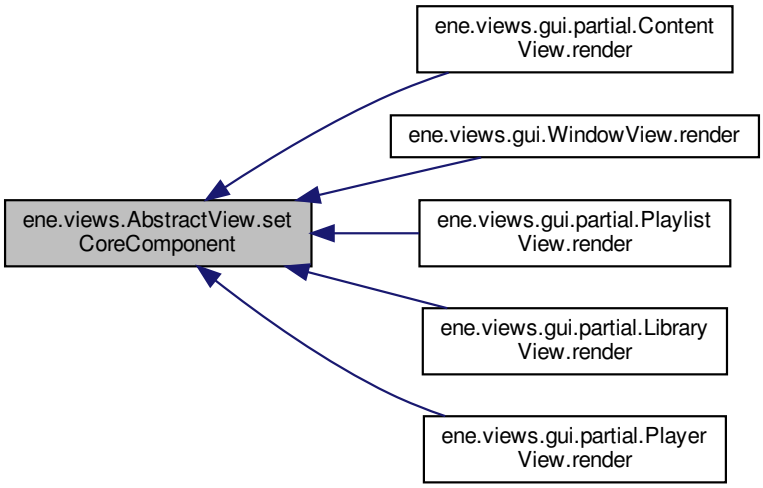
Implements ene.interfaces.View< CoreComponentType >.

Definition at line 38 of file AbstractView.java.

References ene.views.AbstractView< CoreComponentType >.coreComponent.

Referenced by ene.views.gui.partial.ContentView.render(), ene.views.gui.WindowView.render(), ene.views.gui.↩ partial.PlaylistView.render(), ene.views.gui.partial.LibraryView.render(), and ene.views.gui.partial.PlayerView.↩ render().

Here is the caller graph for this function:



7.7.2.5 setLayoutPosition()

```
void ene.views.AbstractView< CoreComponentType >.setLayoutPosition (
            String layoutPosition )
```

Sets the layout position.

Parameters

layoutPosition	Layout position.

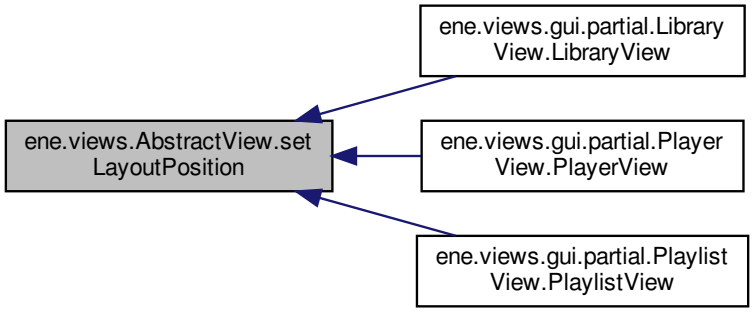
Implements ene.interfaces.View< CoreComponentType >.

Definition at line 48 of file AbstractView.java.

References ene.views.AbstractView< CoreComponentType >.layoutPosition.

Referenced by ene.views.gui.partial.LibraryView.LibraryView(), ene.views.gui.partial.PlayerView.PlayerView(), and ene.views.gui.partial.PlaylistView.PlaylistView().

Here is the caller graph for this function:



7.7.2.6 setTitle()

```
void ene.views.AbstractView< CoreComponentType >.setTitle (
            String title )
```

Sets the title.

Parameters

title	Title.

Since

0.13.0

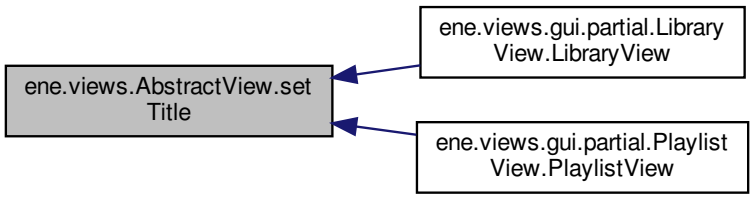
Implements ene.interfaces.View< CoreComponentType >.

Definition at line 28 of file AbstractView.java.

References ene.views.AbstractView< CoreComponentType >.title.

Referenced by ene.views.gui.partial.LibraryView.LibraryView(), and ene.views.gui.partial.PlaylistView.Playlist↩ View().

Here is the caller graph for this function:



7.7.3 Member Data Documentation

7.7.3.1 coreComponent

```
CoreComponentType ene.views.AbstractView< CoreComponentType >.coreComponent  [protected]
```

Core component instance.

Definition at line 20 of file AbstractView.java.

Referenced by ene.views.AbstractView< CoreComponentType >.getCoreComponent(), and ene.views.Abstract↩ View< CoreComponentType >.setCoreComponent().

7.7.3.2 layoutPosition

```
String ene.views.AbstractView< CoreComponentType >.layoutPosition  [protected]
```

Layout position.

Definition at line 25 of file AbstractView.java.

Referenced by ene.views.AbstractView< CoreComponentType >.getLayoutPosition(), and ene.views.Abstract↩ View< CoreComponentType >.setLayoutPosition().

7.7.3.3 title

```
String ene.views.AbstractView< CoreComponentType >.title = ""  [protected]
```

Title.

Definition at line 15 of file AbstractView.java.

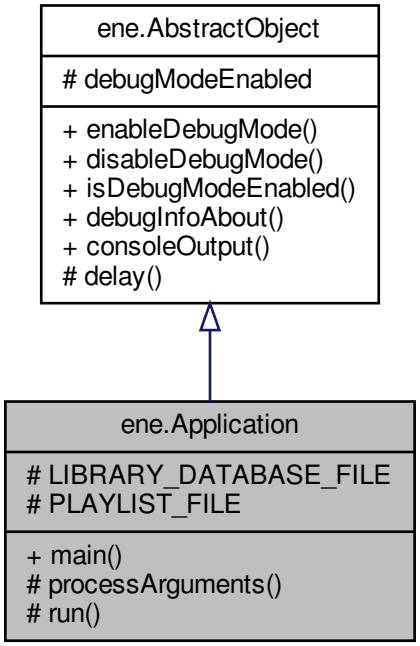
Referenced by ene.views.AbstractView< CoreComponentType >.getTitle(), ene.views.gui.partial.LibraryView.↩ render(), and ene.views.AbstractView< CoreComponentType >.setTitle().

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

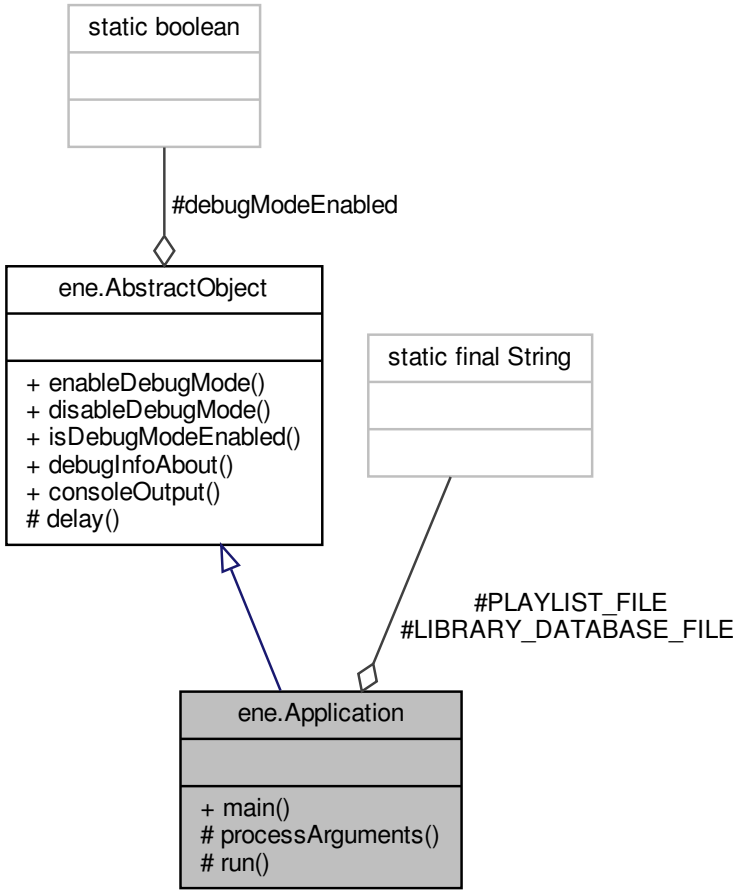
- src/ene/views/AbstractView.java

7.8 ene.Application Class Reference

Inheritance diagram for ene.Application:



Collaboration diagram for ene.Application:



Static Public Member Functions

- static void main (String args[ ])

Static Protected Member Functions

- static void processArguments (String arguments[ ])
- static void run ()

Static Protected Attributes

- static final String LIBRARY_DATABASE_FILE = "library.db"
- static final String PLAYLIST_FILE = "playlist.m3u"

Additional Inherited Members

7.8.1 Detailed Description

Bootstrap class.

Since

0.8.0

Version

1.3.0

Definition at line 24 of file Application.java.

7.8.2 Member Function Documentation

7.8.2.1 main()

```
static void ene.Application.main (
            String args[] )  [static]
```

Entry point.

Parameters

args	Arguments.

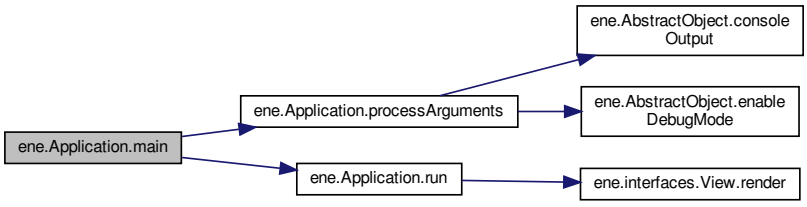
Version

1.0.0

Definition at line 41 of file Application.java.

References ene.Application.processArguments(), and ene.Application.run().

Here is the call graph for this function:



7.8.2.2 processArguments()

```
static void ene.Application.processArguments (
            String arguments[] )  [static], [protected]
```

Processes arguments.

Parameters

arguments	Arguments.

Version

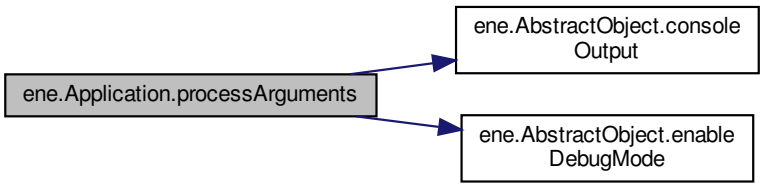
1.0.0

Definition at line 51 of file Application.java.

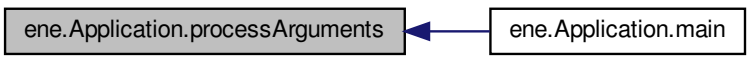
References ene.AbstractObject.consoleOutput(), and ene.AbstractObject.enableDebugMode().

Referenced by ene.Application.main().

Here is the call graph for this function:



Here is the caller graph for this function:



7.8.2.3 run()

```
static void ene.Application.run ( )  [static], [protected]
```

Runs application.

Version

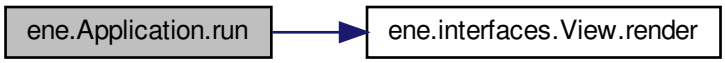
1.2.0

Definition at line 72 of file Application.java.

References ene.interfaces.View< CoreComponentType >.render().

Referenced by ene.Application.main().

Here is the call graph for this function:



Here is the caller graph for this function:

7.8.3 Member Data Documentation

7.8.3.1 LIBRARY_DATABASE_FILE

```
final String ene.Application.LIBRARY_DATABASE_FILE = "library.db"  [static], [protected]
```

Library database file path.

Definition at line 28 of file Application.java.

7.8.3.2 PLAYLIST_FILE

```
final String ene.Application.PLAYLIST_FILE = "playlist.m3u"  [static], [protected]
```

Playlist file path.

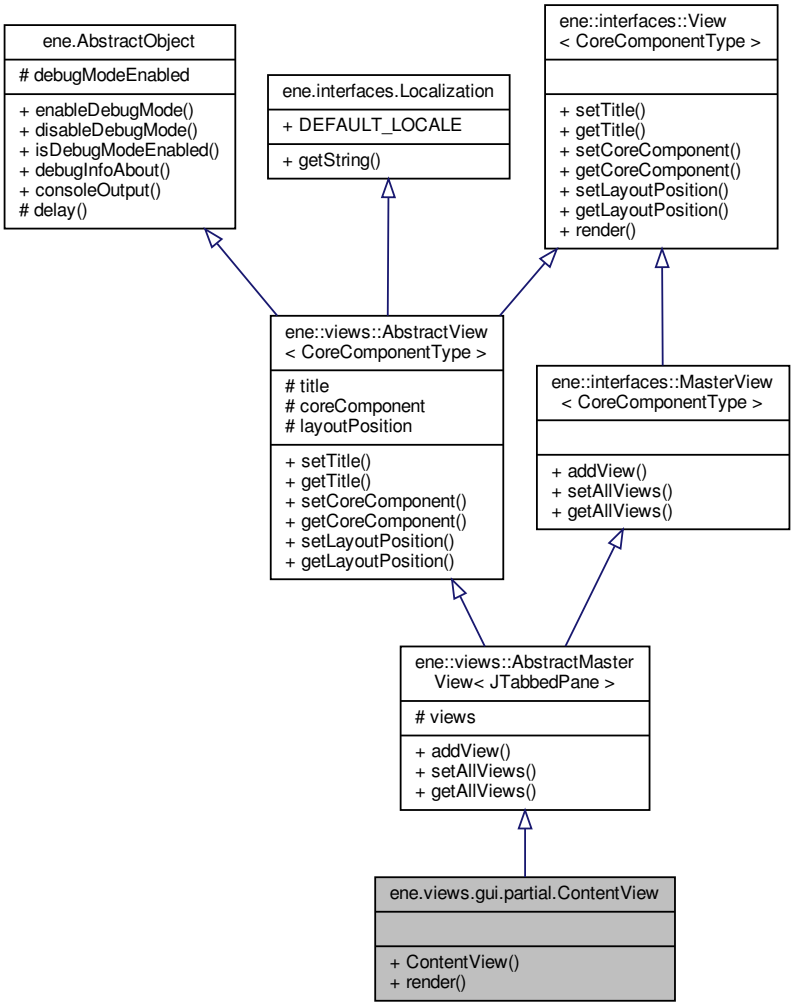
Definition at line 33 of file Application.java.

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

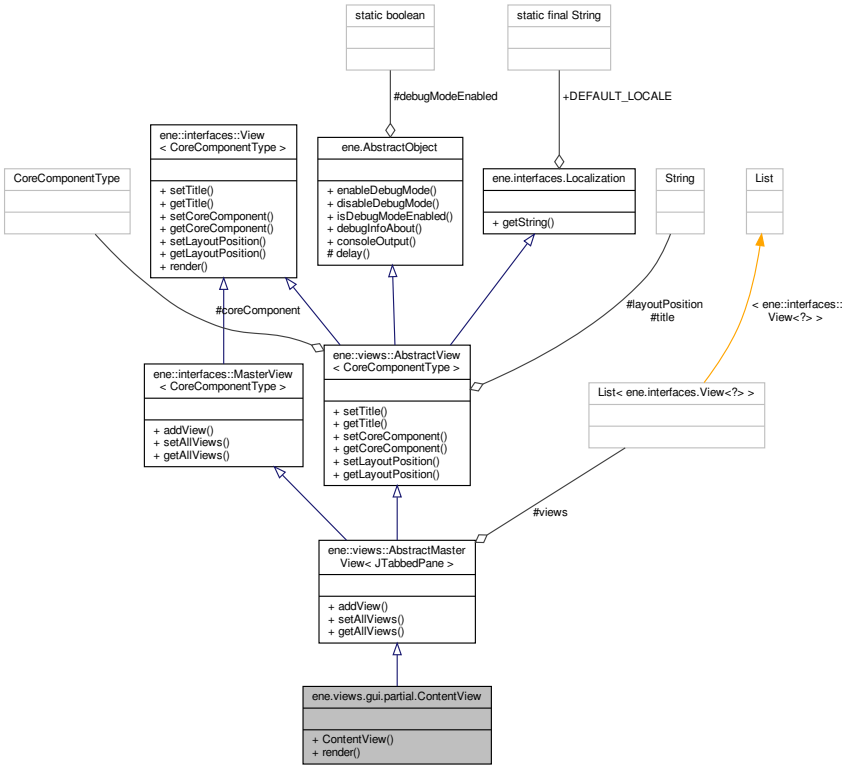
- src/ene/Application.java

7.9 ene.views.gui.partial.ContentView Class Reference

Inheritance diagram for ene.views.gui.partial.ContentView:



Collaboration diagram for ene.views.gui.partial.ContentView:



Public Member Functions

- ContentView (View<?> ... views)
- void render ()

Additional Inherited Members

7.9.1 Detailed Description

Content view.

Version

4.1.0

Since

0.13.0

Definition at line 13 of file ContentView.java.

7.9.2 Constructor & Destructor Documentation

7.9.2.1 ContentView()

```
ene.views.gui.partial.ContentView.ContentView (
            View<?> ...  views )
```

Constructor.

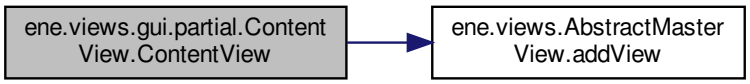
Parameters

views	View instances.

Definition at line 18 of file ContentView.java.

References ene.views.AbstractMasterView< CoreComponentType >.addView().

Here is the call graph for this function:



7.9.3 Member Function Documentation

7.9.3.1 render()

```
void ene.views.gui.partial.ContentView.render ( )
```

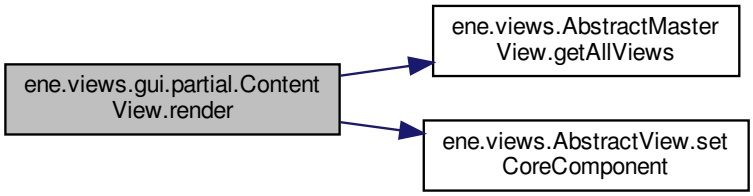
Renders the view.

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 25 of file ContentView.java.

References ene.views.AbstractMasterView< CoreComponentType >.getAllViews(), and ene.views.AbstractView< CoreComponentType >.setCoreComponent().

Here is the call graph for this function:

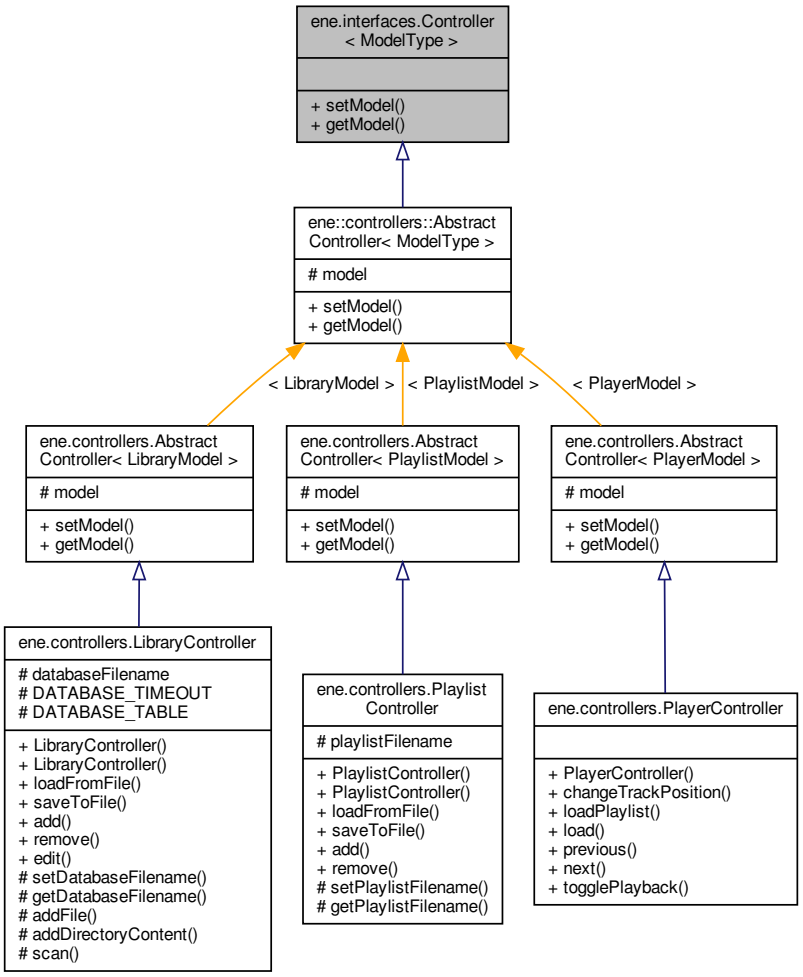


The documentation for this class was generated from the following file:

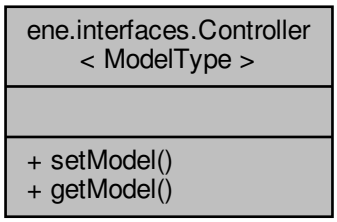
- src/ene/views/gui/partial/ContentView.java

7.10 ene.interfaces.Controller< ModelType > Interface Template Reference

Inheritance diagram for ene.interfaces.Controller< ModelType >:



Collaboration diagram for ene.interfaces.Controller< ModelType >:



Public Member Functions

- void setModel (Model model)
- ModelType getModel ()

7.10.1 Detailed Description

Controller.

Version

1.0.0

Definition at line 9 of file Controller.java.

7.10.2 Member Function Documentation

7.10.2.1 getModel()

```
ModelType ene.interfaces.Controller< ModelType >.getModel ( )
```

Returns the model instance.

Returns

Model instance.

Implemented in ene.controllers.AbstractController< ModelType >.

7.10.2.2 setModel()

```
void ene.interfaces.Controller< ModelType >.setModel (
            Model model )
```

Sets the model instance.

Parameters

model	Model instance.

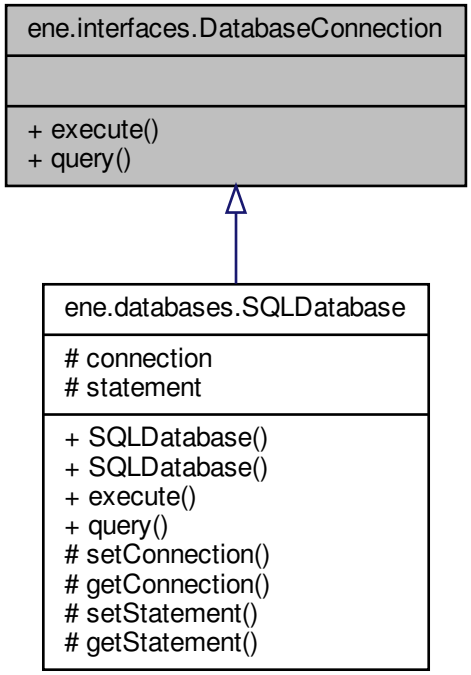
Implemented in ene.controllers.AbstractController< ModelType >.

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

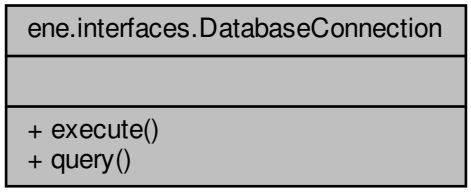
- src/ene/interfaces/Controller.java

7.11 ene.interfaces.DatabaseConnection Interface Reference

Inheritance diagram for ene.interfaces.DatabaseConnection:



Collaboration diagram for ene.interfaces.DatabaseConnection:



Public Member Functions

- int execute (String statement) throws Exception
- List< Map< String, String > > query (String statement) throws Exception

7.11.1 Detailed Description

Database connection.

Since

0.9.0

Version

1.0.0

Definition at line 11 of file DatabaseConnection.java.

7.11.2 Member Function Documentation

7.11.2.1 execute()

```
int ene.interfaces.DatabaseConnection.execute (
            String statement ) throws Exception
```

Executes statement.

Parameters

statement	Statement.

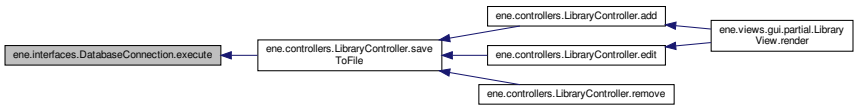
Returns

Number of affected rows.

Implemented in ene.databases.SQLDatabase.

Referenced by ene.controllers.LibraryController.saveToFile().

Here is the caller graph for this function:



7.11.2.2 query()

```
List<Map<String,String> > ene.interfaces.DatabaseConnection.query (
            String statement ) throws Exception
```

Query statement.

Parameters

statement	Statement.

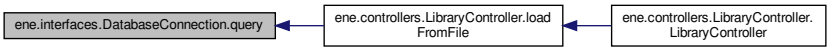
Returns

Returns a list of maps of rows.

Implemented in ene.databases.SQLDatabase.

Referenced by ene.controllers.LibraryController.loadFromFile().

Here is the caller graph for this function:

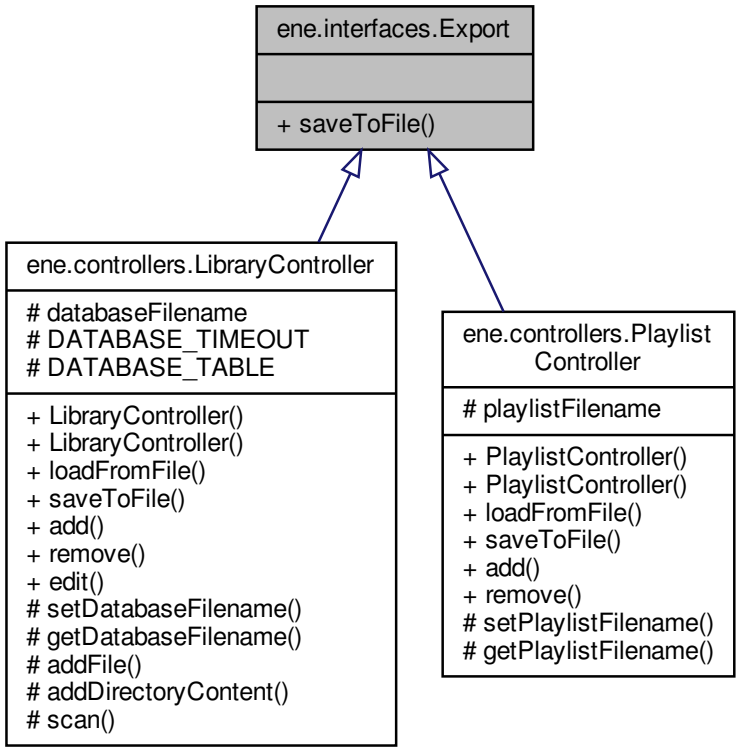


The documentation for this interface was generated from the following file:

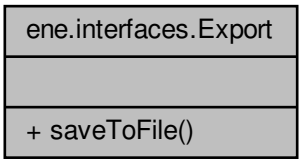
- src/ene/interfaces/DatabaseConnection.java

7.12 ene.interfaces.Export Interface Reference

Inheritance diagram for ene.interfaces.Export:



Collaboration diagram for ene.interfaces.Export:



Public Member Functions

- boolean saveToFile (String filename)

7.12.1 Detailed Description

Export interface.

Since

1.0.0

Version

1.0.0

Definition at line 8 of file Export.java.

7.12.2 Member Function Documentation

7.12.2.1 saveToFile()

```
boolean ene.interfaces.Export.saveToFile (
            String filename )
```

Saves data to a file.

Parameters

filename	File path.

Returns

Returns TRUE if successful. Otherwise FALSE.

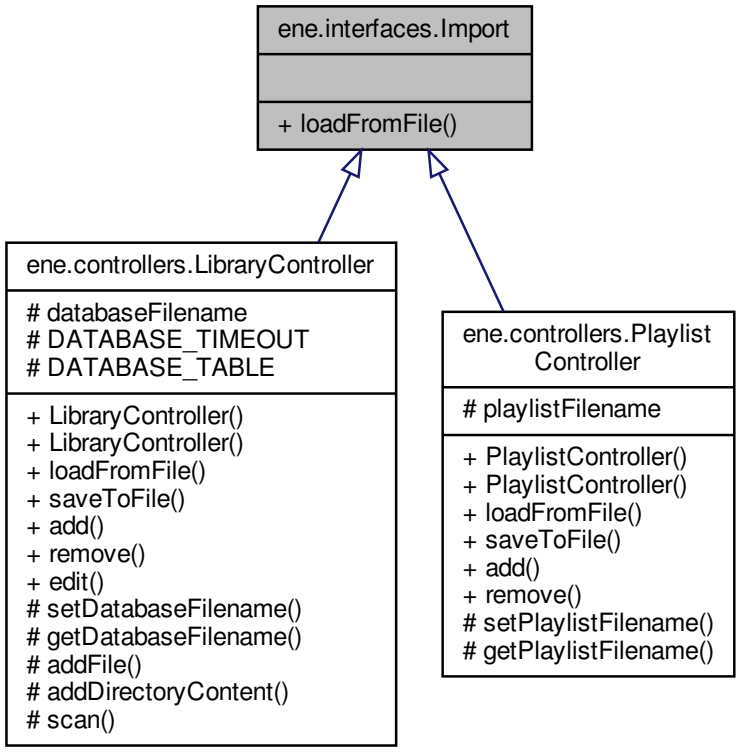
Implemented in ene.controllers.LibraryController, and ene.controllers.PlaylistController.

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

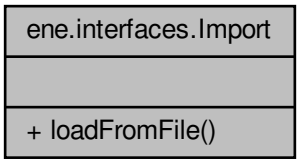
- src/ene/interfaces/Export.java

7.13 ene.interfaces.Import Interface Reference

Inheritance diagram for ene.interfaces.Import:



Collaboration diagram for ene.interfaces.Import:



Public Member Functions

- boolean loadFromFile (String filename)

7.13.1 Detailed Description

Import interface.

Since

1.0.0

Version

1.0.0

Definition at line 8 of file Import.java.

7.13.2 Member Function Documentation

7.13.2.1 loadFromFile()

```
boolean ene.interfaces.Import.loadFromFile (
            String filename )
```

Loads data from a file.

Parameters

filename	File path.

Returns

Returns TRUE if successful. Otherwise FALSE.

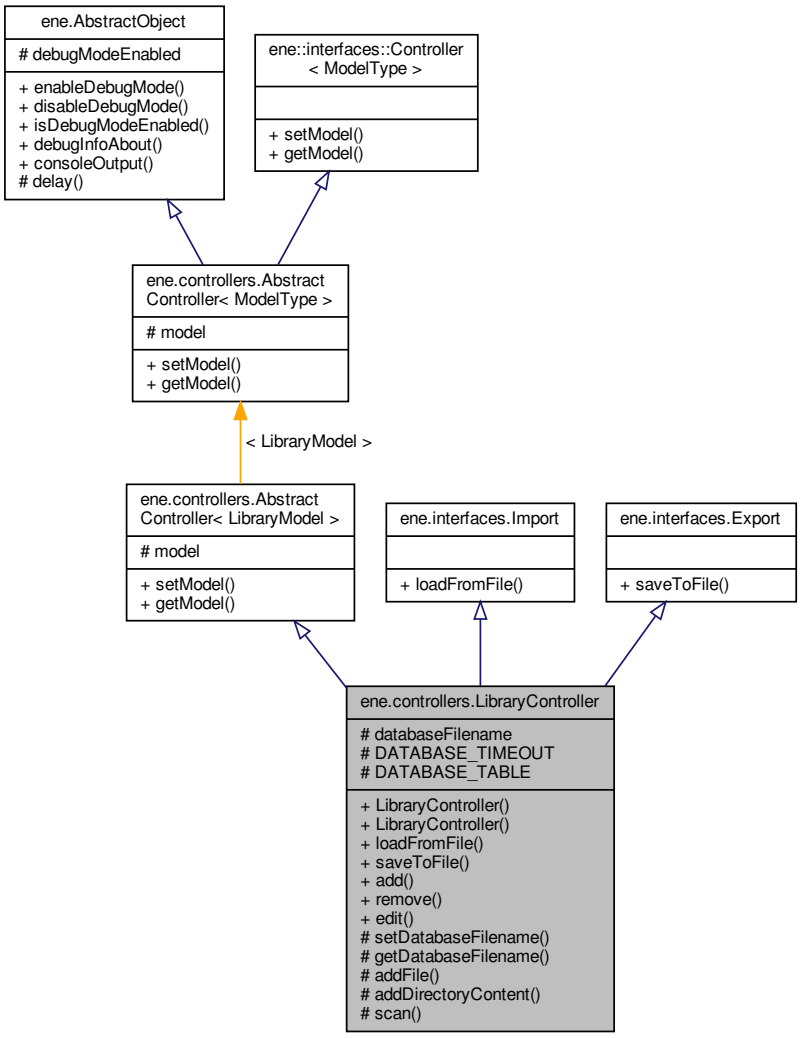
Implemented in ene.controllers.LibraryController, and ene.controllers.PlaylistController.

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

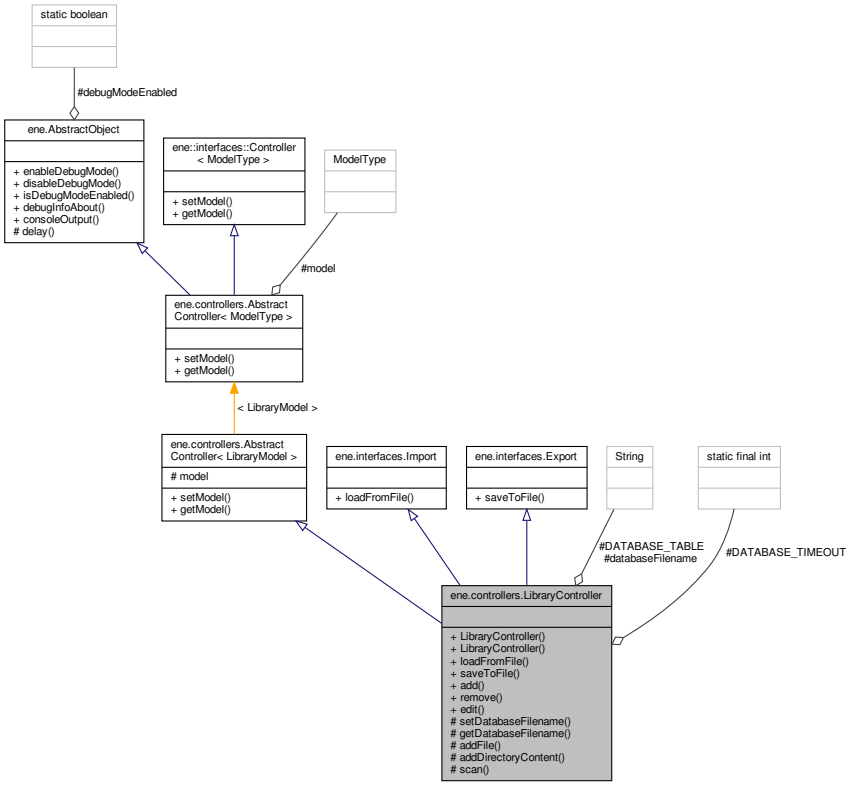
- src/ene/interfaces/Import.java

7.14 ene.controllers.LibraryController Class Reference

Inheritance diagram for ene.controllers.LibraryController:



Collaboration diagram for ene.controllers.LibraryController:



Public Member Functions

- LibraryController (Model model)
- LibraryController (Model model, String databaseFilename)
- boolean loadFromFile (String filename)
- boolean saveToFile (String filename)
- boolean add (String filename)
- boolean remove (String filename)
- boolean edit (TrackModel track)

Protected Member Functions

- void setDatabaseFilename (String filename)
- String getDatabaseFilename ()
- boolean addFile (File file, String ... genre)
- boolean addDirectoryContent (File directory)
- int scan (File path, String ... genre)

Protected Attributes

- String databaseFilename

Static Protected Attributes

- static final int DATABASE_TIMEOUT = 30
- static final String DATABASE_TABLE = "tracks"

7.14.1 Detailed Description

Library controller.

Version

4.0.1

Definition at line 19 of file LibraryController.java.

7.14.2 Constructor & Destructor Documentation

7.14.2.1 LibraryController() [1/2]

```
ene.controllers.LibraryController.LibraryController (
            Model model )
```

Contructor.

Parameters

model	Library model instance.

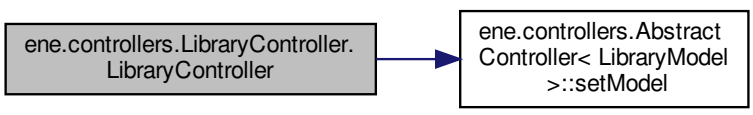
Version

1.0.0

Definition at line 58 of file LibraryController.java.

References ene.controllers.AbstractController< LibraryModel >.setModel().

Here is the call graph for this function:



7.14.2.2 LibraryController() [2/2]

```
ene.controllers.LibraryController.LibraryController (
            Model model,
            String databaseFilename )
```

Contructor.

Parameters

model	Library model instance.
databaseFilename	Database file path.

Since

0.16.0

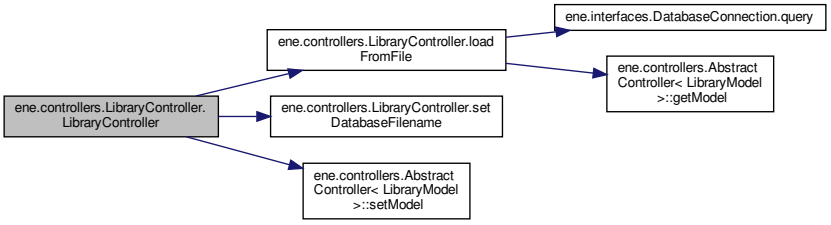
Version

1.0.0

Definition at line 69 of file LibraryController.java.

References ene.controllers.LibraryController.loadFromFile(), ene.controllers.LibraryController.setDatabase↩ Filename(), and ene.controllers.AbstractController< LibraryModel >.setModel().

Here is the call graph for this function:



7.14.3 Member Function Documentation

7.14.3.1 add()

```
boolean ene.controllers.LibraryController.add (
            String filename )
```

Adds a file to the library.

Parameters

filename	File path.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

0.12.0

Version

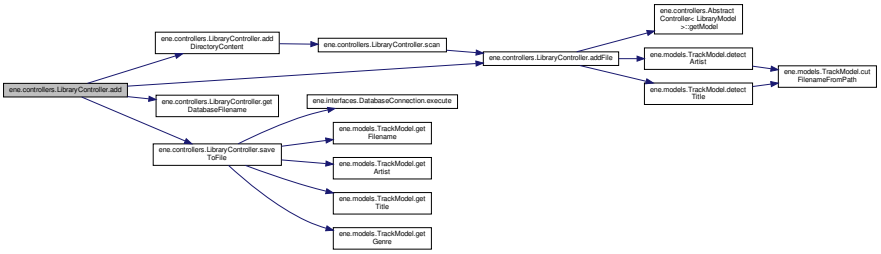
1.1.1

Definition at line 143 of file LibraryController.java.

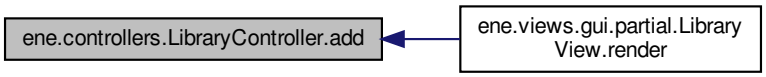
References ene.controllers.LibraryController.addDirectoryContent(), ene.controllers.LibraryController.addFile(), ene.controllers.LibraryController.getDatabaseFilename(), and ene.controllers.LibraryController.saveToFile().

Referenced by ene.views.gui.partial.LibraryView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.14.3.2 addDirectoryContent()

```
boolean ene.controllers.LibraryController.addDirectoryContent (
            File directory )  [protected]
```

Adds the files of a whole directory to the library.

Parameters

directory	File instance of the directory.

Returns

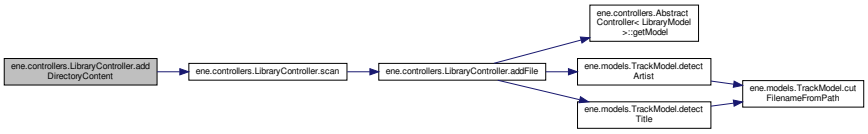
Returns TRUE, if successful. Otherwise FALSE.

Definition at line 212 of file LibraryController.java.

References ene.controllers.LibraryController.scan().

Referenced by ene.controllers.LibraryController.add().

Here is the call graph for this function:



Here is the caller graph for this function:

7.14.3.3 addFile()

```
boolean ene.controllers.LibraryController.addFile (
            File file,
            String ...  genre )  [protected]
```

Adds a file to the library.

Parameters

file	File instance.
genre	Given track genre (Optional, for internal usage only).

Returns

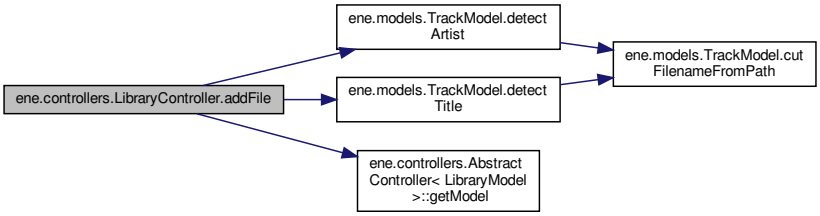
Returns TRUE, if successful. Otherwise FALSE.

Definition at line 191 of file LibraryController.java.

References ene.models.TrackModel.detectArtist(), ene.models.TrackModel.detectTitle(), and ene.controllers.↩ AbstractController< LibraryModel >.getModel().

Referenced by ene.controllers.LibraryController.add(), and ene.controllers.LibraryController.scan().

Here is the call graph for this function:



Here is the caller graph for this function:

7.14.3.4 edit()

```
boolean ene.controllers.LibraryController.edit (
            TrackModel track )
```

Edits a track in the library.

Parameters

track	Updated track model instance.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

0.20.0

Version

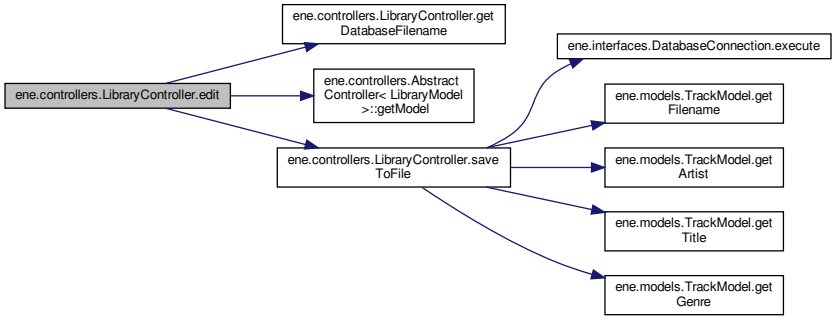
1.0.1

Definition at line 180 of file LibraryController.java.

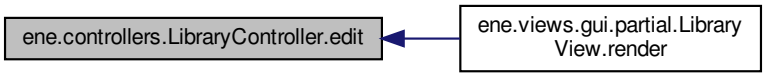
References ene.controllers.LibraryController.getDatabaseFilename(), ene.controllers.AbstractController< Library↩ Model >.getModel(), and ene.controllers.LibraryController.saveToFile().

Referenced by ene.views.gui.partial.LibraryView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.14.3.5 getDatabaseFilename()

```
String ene.controllers.LibraryController.getDatabaseFilename ( )  [protected]
```

Returns the database file path.

Returns

Database file path.

Since

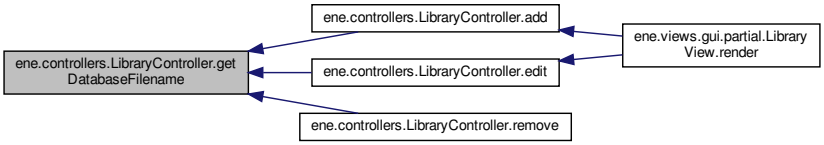
0.16.0

Definition at line 49 of file LibraryController.java.

References ene.controllers.LibraryController.databaseFilename.

Referenced by ene.controllers.LibraryController.add(), ene.controllers.LibraryController.edit(), and ene.↩ controllers.LibraryController.remove().

Here is the caller graph for this function:



7.14.3.6 loadFromFile()

```
boolean ene.controllers.LibraryController.loadFromFile (
            String filename )
```

Loads data from a file.

Parameters

filename	File path.

Returns

Returns TRUE if successful. Otherwise FALSE.

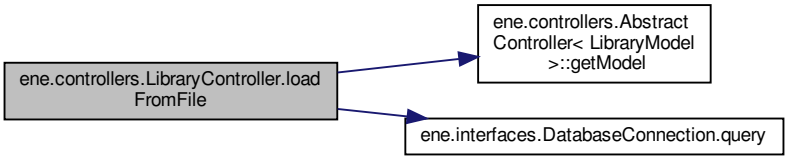
Implements ene.interfaces.Import.

Definition at line 76 of file LibraryController.java.

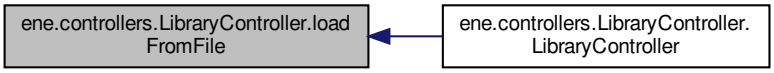
References ene.controllers.AbstractController< LibraryModel >.getModel(), and ene.interfaces.Database↩ Connection.query().

Referenced by ene.controllers.LibraryController.LibraryController().

Here is the call graph for this function:



Here is the caller graph for this function:



7.14.3.7 remove()

```
boolean ene.controllers.LibraryController.remove (
            String filename )
```

Removes a file from the library.

Parameters

filename	File path.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

0.10.0

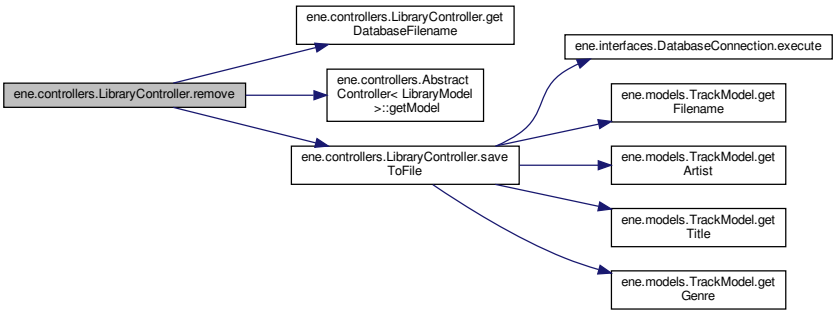
Version

1.1.1

Definition at line 165 of file LibraryController.java.

References ene.controllers.LibraryController.getDatabaseFilename(), ene.controllers.AbstractController< Library↩ Model >.getModel(), and ene.controllers.LibraryController.saveToFile().

Here is the call graph for this function:



7.14.3.8 saveToFile()

```
boolean ene.controllers.LibraryController.saveToFile (
            String filename )
```

Saves data to a file.

Parameters

filename	File path.

Returns

Returns TRUE if successful. Otherwise FALSE.

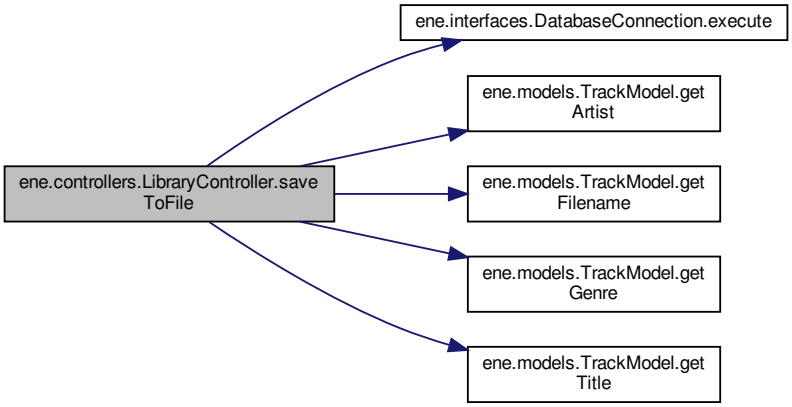
Implements ene.interfaces.Export.

Definition at line 113 of file LibraryController.java.

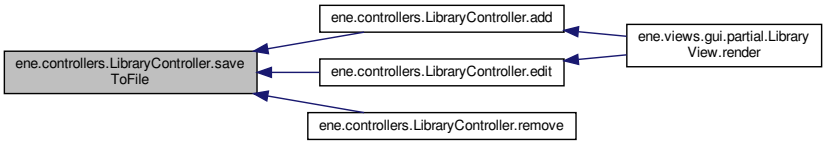
References ene.interfaces.DatabaseConnection.execute(), ene.models.TrackModel.getArtist(), ene.models.Track↩ Model.getFilename(), ene.models.TrackModel.getGenre(), and ene.models.TrackModel.getTitle().

Referenced by ene.controllers.LibraryController.add(), ene.controllers.LibraryController.edit(), and ene.↩ controllers.LibraryController.remove().

Here is the call graph for this function:



Here is the caller graph for this function:



7.14.3.9 scan()

```
int ene.controllers.LibraryController.scan (
            File path,
            String ...  genre )  [protected]
```

Scans and adds files recursively.

Parameters

path	File instance of the path.
genre	Given track genre (Optional, for internal usage only).

Returns

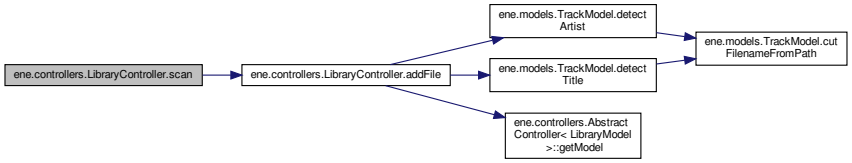
Returns the amount of added files.

Definition at line 226 of file LibraryController.java.

References ene.controllers.LibraryController.addFile().

Referenced by ene.controllers.LibraryController.addDirectoryContent().

Here is the call graph for this function:



Here is the caller graph for this function:

7.14.3.10 setDatabaseFilename()

```
void ene.controllers.LibraryController.setDatabaseFilename (
            String filename )  [protected]
```

Sets the database file path.

Parameters

filename	Database file path.

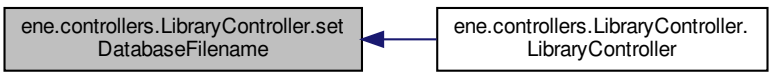
Since

0.16.0

Definition at line 40 of file LibraryController.java.

Referenced by ene.controllers.LibraryController.LibraryController().

Here is the caller graph for this function:



7.14.4 Member Data Documentation

7.14.4.1 DATABASE_TABLE

```
final String ene.controllers.LibraryController.DATABASE_TABLE = "tracks"  [static], [protected]
```

Database table name.

Definition at line 28 of file LibraryController.java.

7.14.4.2 DATABASE_TIMEOUT

```
final int ene.controllers.LibraryController.DATABASE_TIMEOUT = 30  [static], [protected]
```

Database connection timeout in seconds.

Definition at line 23 of file LibraryController.java.

7.14.4.3 databaseFilename

```
String ene.controllers.LibraryController.databaseFilename  [protected]
```

Database file path.

Definition at line 33 of file LibraryController.java.

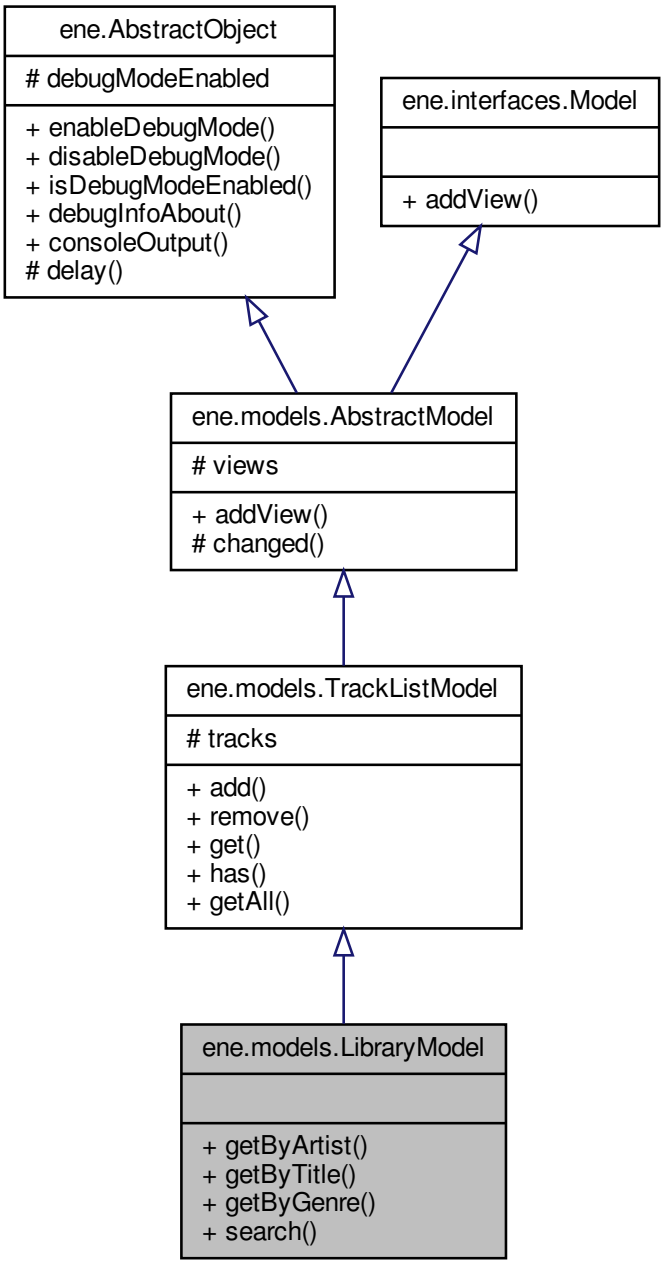
Referenced by ene.controllers.LibraryController.getDatabaseFilename().

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

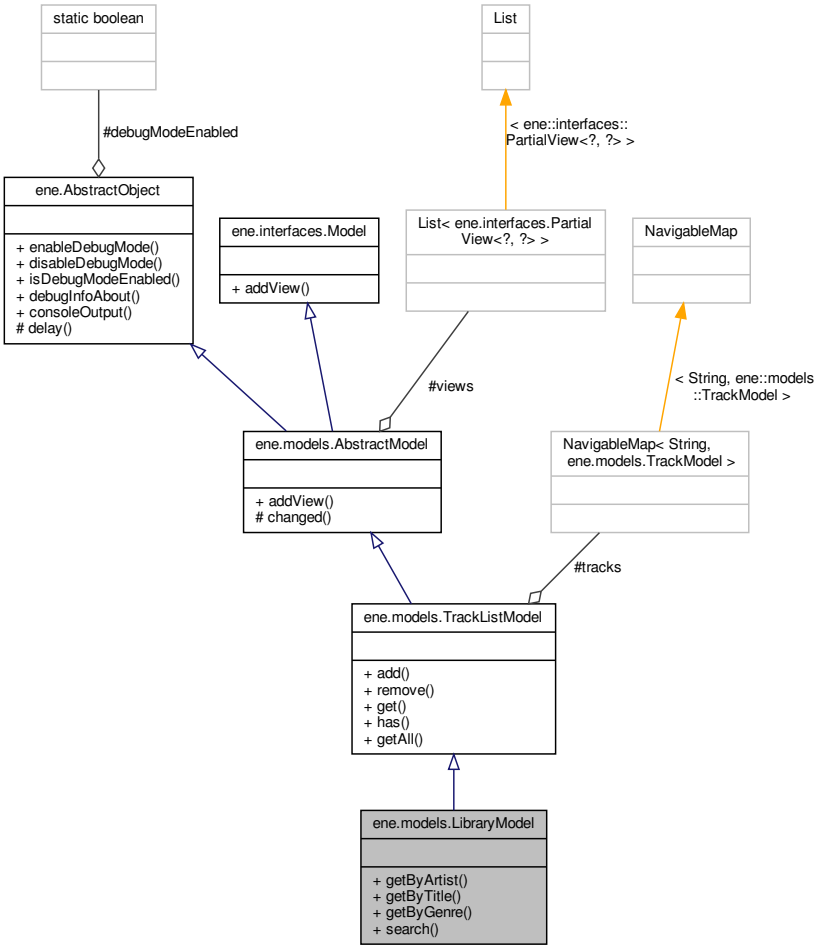
- src/ene/controllers/LibraryController.java

7.15 ene.models.LibraryModel Class Reference

Inheritance diagram for ene.models.LibraryModel:



Collaboration diagram for ene.models.LibraryModel:



Public Member Functions

- Map< String, TrackModel > getByArtist (String artist)
- Map< String, TrackModel > getByTitle (String title)
- Map< String, TrackModel > getByGenre (String genre)
- Map< String, TrackModel > search (String title, String artist, String genre)

Additional Inherited Members

7.15.1 Detailed Description

Library model.

Version

4.1.0

Definition at line 12 of file LibraryModel.java.

7.15.2 Member Function Documentation

7.15.2.1 getByArtist()

```
Map<String, TrackModel> ene.models.LibraryModel.getByArtist (
            String artist )
```

Returns all tracks by an particular artist.

Parameters

artist	Artist.

Returns

Tracks.

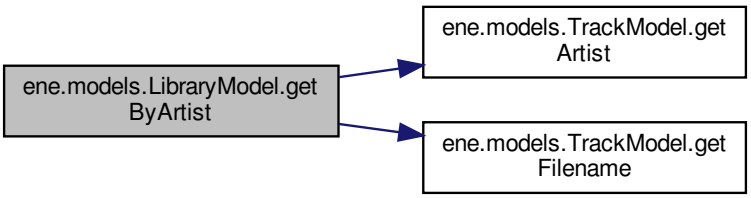
Since

0.10.0

Definition at line 19 of file LibraryModel.java.

References ene.models.TrackModel.getArtist(), ene.models.TrackModel.getFilename(), and ene.models.TrackList↩ Model.tracks.

Here is the call graph for this function:



7.15.2.2 getByGenre()

```
Map<String, TrackModel> ene.models.LibraryModel.getByGenre (
            String genre )
```

Returns all tracks from a particular genre.

Parameters

genre	Genre.

Returns

Tracks.

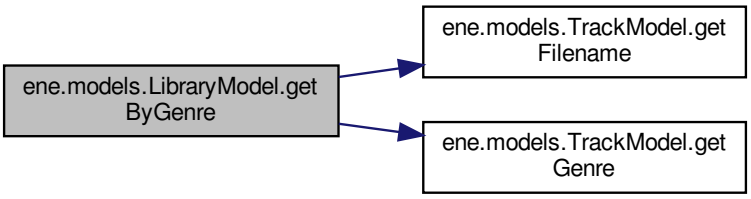
Since

0.10.0

Definition at line 53 of file LibraryModel.java.

References ene.models.TrackModel.getFilename(), ene.models.TrackModel.getGenre(), and ene.models.TrackListModel.tracks.

Here is the call graph for this function:



7.15.2.3 getByTitle()

```
Map<String, TrackModel> ene.models.LibraryModel.getByTitle (
            String title )
```

Returns all tracks with a particular title.

Parameters

title	Title.

Returns

Tracks.

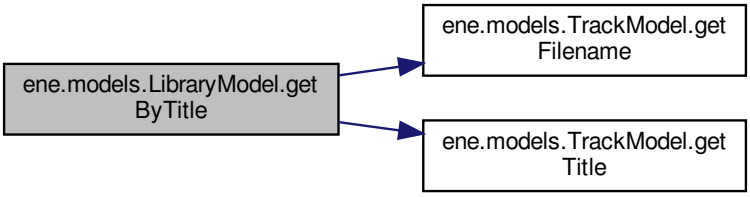
Since

0.10.0

Definition at line 36 of file LibraryModel.java.

References ene.models.TrackModel.getFilename(), ene.models.TrackModel.getTitle(), and ene.models.TrackList↩ Model.tracks.

Here is the call graph for this function:



7.15.2.4 search()

```
Map<String, TrackModel> ene.models.LibraryModel.search (
            String title,
            String artist,
            String genre )
```

Returns all matching tracks.

Parameters

title	Title.
artist	Artist.
genre	Genre.

Returns

Map of tracks and it's absolute file path.

Since

0.15.0

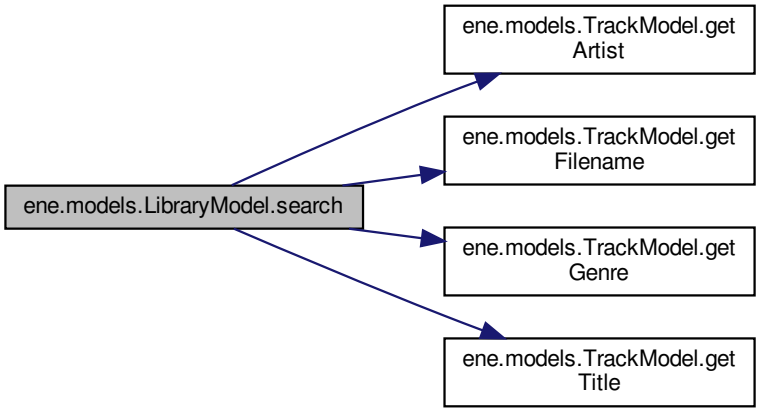
Version

1.0.0

Definition at line 73 of file LibraryModel.java.

References ene.models.TrackModel.getArtist(), ene.models.TrackModel.getFilename(), ene.models.TrackModel.↩ getGenre(), ene.models.TrackModel.getTitle(), and ene.models.TrackListModel.tracks.

Here is the call graph for this function:

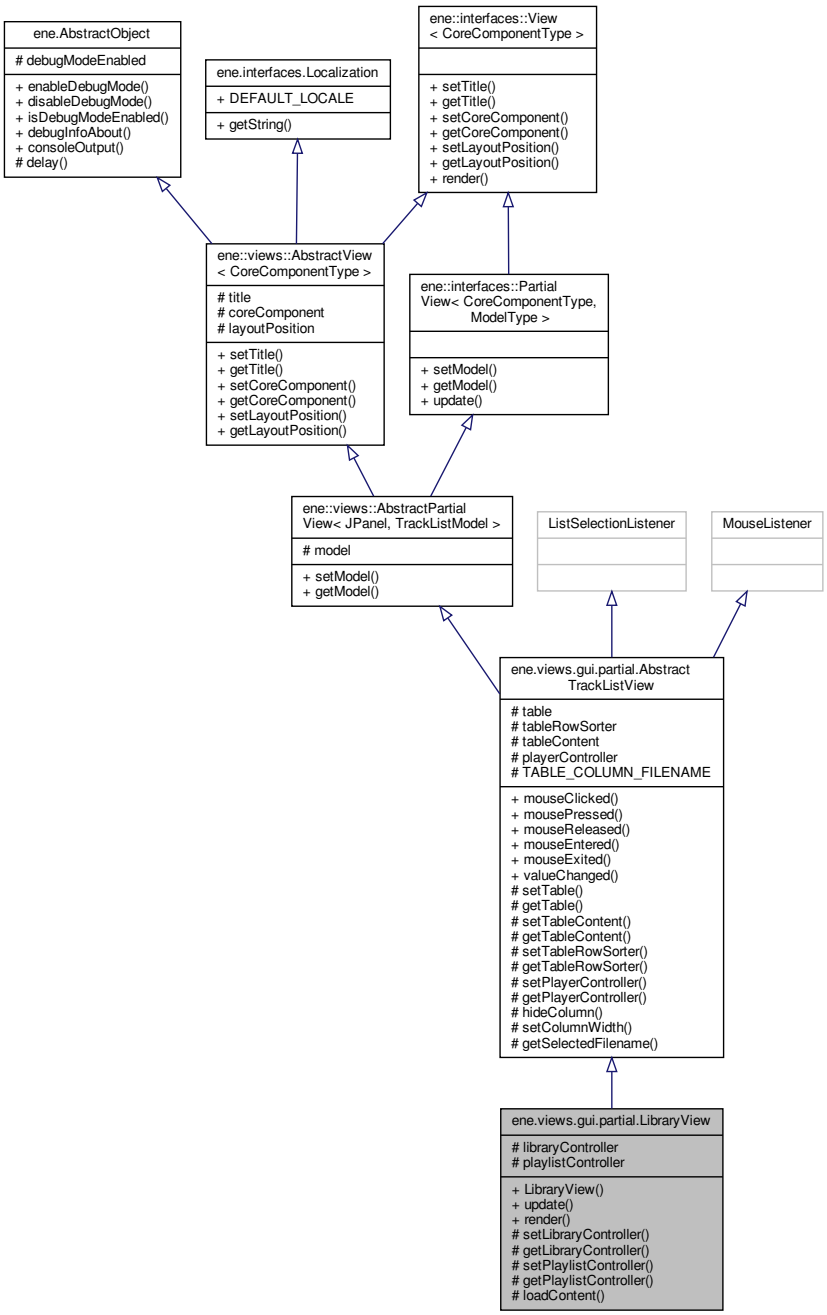


The documentation for this class was generated from the following file:

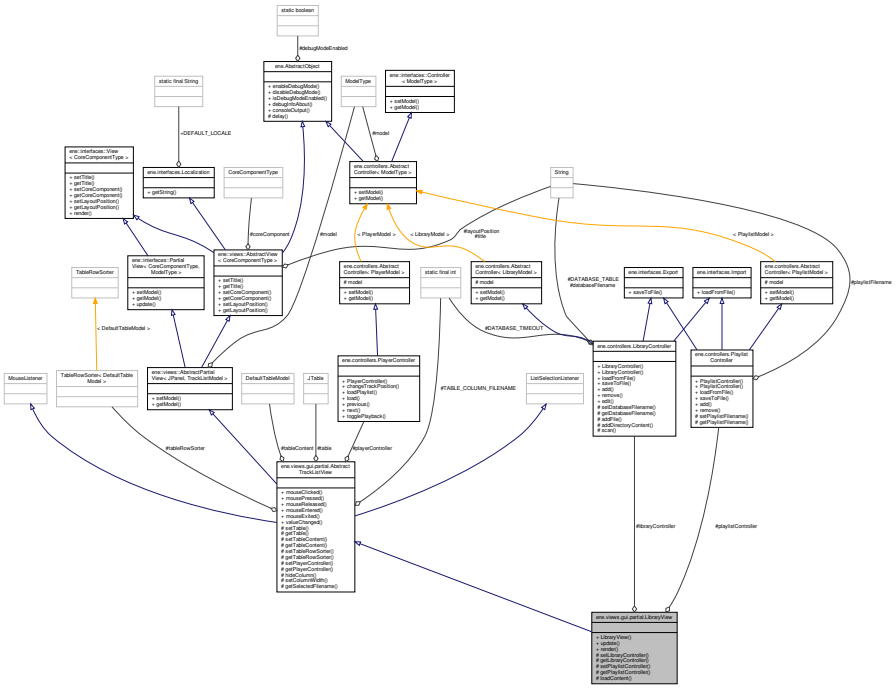
- src/ene/models/LibraryModel.java

7.16 ene.views.gui.partial.LibraryView Class Reference

Inheritance diagram for ene.views.gui.partial.LibraryView:



Collaboration diagram for ene.views.gui.partial.LibraryView:



Public Member Functions

- LibraryView (Model model, Controller<?> libraryController, Controller<?> playlistController, Controller<?> playerController)
- void update ()
- void render ()

Protected Member Functions

- void setLibraryController (Controller<?> libraryController)
- LibraryController getLibraryController ()
- void setPlaylistController (Controller<?> playlistController)
- PlaylistController getPlaylistController ()
- void loadContent (Map< String, TrackModel > tracks)

Protected Attributes

- LibraryController libraryController
- PlaylistController playlistController

Additional Inherited Members

7.16.1 Detailed Description

Library view.

Version

2.6.0

Since

0.13.0

Definition at line 34 of file LibraryView.java.

7.16.2 Constructor & Destructor Documentation

7.16.2.1 LibraryView()

```
ene.views.gui.partial.LibraryView.LibraryView (
            Model model,
            Controller<?> libraryController,
            Controller<?> playlistController,
            Controller<?> playerController )
```

Constructor.

Parameters

model	Library model instance.
libraryController	Library controller instance.
playlistController	Playlist controller instance.
playerController	Player controller instance.

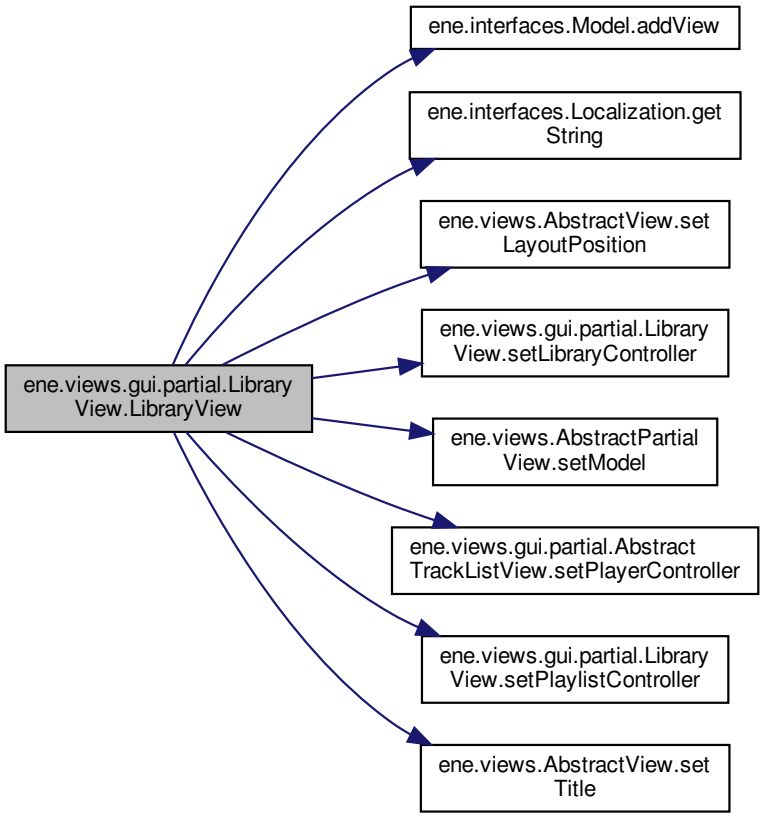
Version

2.0.0

Definition at line 85 of file LibraryView.java.

References ene.interfaces.Model.addView(), ene.interfaces.Localization.getString(), ene.views.AbstractView< CoreComponentType >.setLayoutPosition(), ene.views.gui.partial.LibraryView.setLibraryController(), ene.views.↩ AbstractPartialView< CoreComponentType, ModelType >.setModel(), ene.views.gui.partial.AbstractTrackList↩ View.setPlayerController(), ene.views.gui.partial.LibraryView.setPlaylistController(), and ene.views.AbstractView< CoreComponentType >.setTitle().

Here is the call graph for this function:



7.16.3 Member Function Documentation

7.16.3.1 getLibraryController()

```
LibraryController ene.views.gui.partial.LibraryView.getLibraryController ( )  [protected]
```

Returns the library controller instance.

Returns

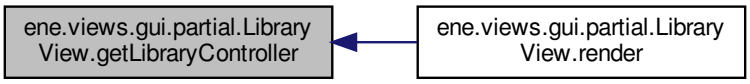
Library controller instance.

Definition at line 57 of file LibraryView.java.

References ene.views.gui.partial.LibraryView.libraryController.

Referenced by ene.views.gui.partial.LibraryView.render().

Here is the caller graph for this function:



7.16.3.2 getPlaylistController()

```
PlaylistController ene.views.gui.partial.LibraryView.getPlaylistController ( )  [protected]
```

Returns the playlist controller instance.

Returns

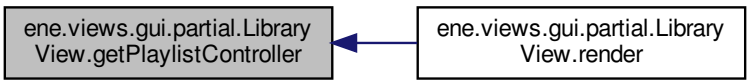
Playlist controller instance.

Definition at line 73 of file LibraryView.java.

References ene.views.gui.partial.LibraryView.playlistController.

Referenced by ene.views.gui.partial.LibraryView.render().

Here is the caller graph for this function:



7.16.3.3 loadContent()

```
void ene.views.gui.partial.LibraryView.loadContent (
            Map< String, TrackModel > tracks )  [protected]
```

Loads the table content from the model.

Parameters

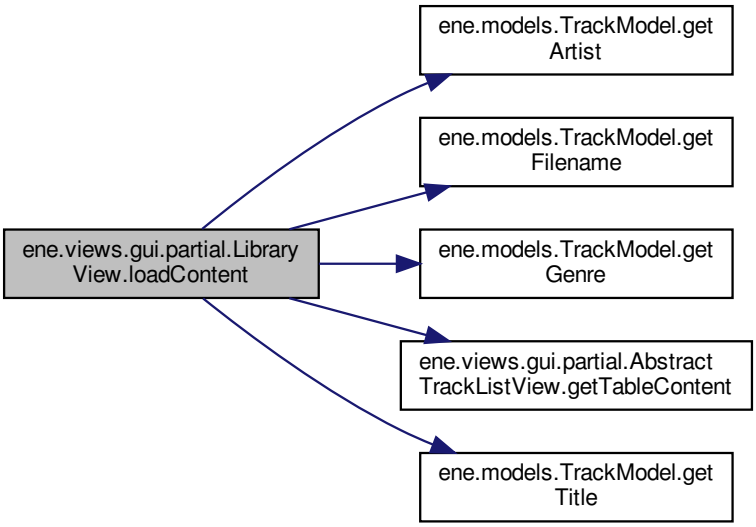
tracks	Map of Tracks.

Definition at line 99 of file LibraryView.java.

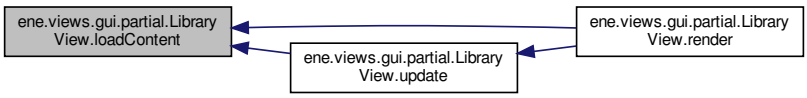
References ene.models.TrackModel.getArtist(), ene.models.TrackModel.getFilename(), ene.models.TrackModel.getGenre(), ene.views.gui.partial.AbstractTrackListView.getTableContent(), ene.models.TrackModel.getTitle(), and ene.views.gui.partial.AbstractTrackListView.tableContent.

Referenced by ene.views.gui.partial.LibraryView.render(), and ene.views.gui.partial.LibraryView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.16.3.4 render()

```
void ene.views.gui.partial.LibraryView.render ( )
```

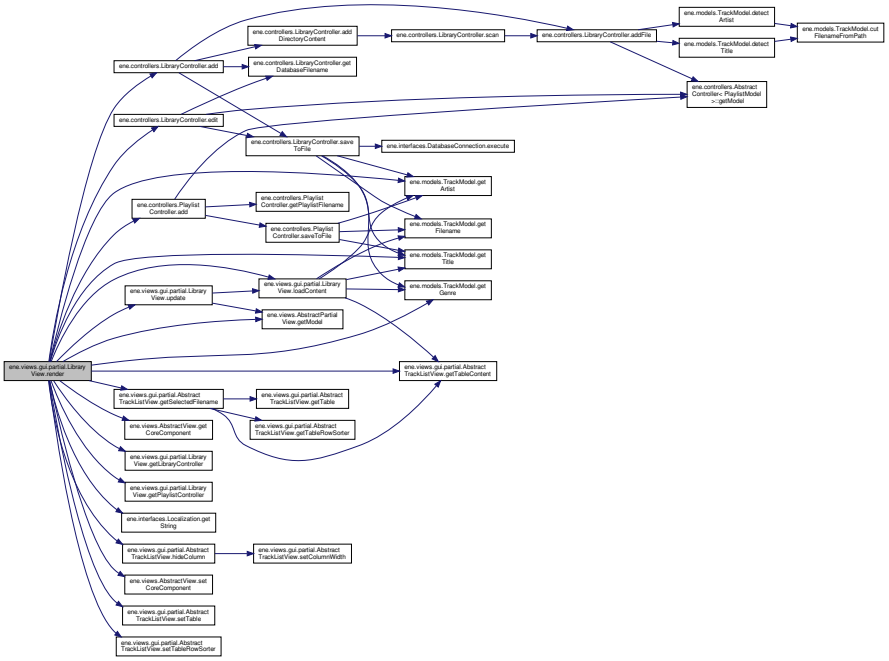
Renders the view.

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 114 of file LibraryView.java.

References ene.controllers.PlaylistController.add(), ene.controllers.LibraryController.add(), ene.controllers.↩ LibraryController.edit(), ene.models.TrackModel.getArtist(), ene.views.AbstractView< CoreComponentType >.↩ getCoreComponent(), ene.models.TrackModel.getGenre(), ene.views.gui.partial.LibraryView.getLibraryController(), ene.views.AbstractPartialView< CoreComponentType, ModelType >.getModel(), ene.views.gui.partial.Library↩ View.getPlaylistController(), ene.views.gui.partial.AbstractTrackListView.getSelectedFilename(), ene.interfaces.↩ Localization.getString(), ene.views.gui.partial.AbstractTrackListView.getTableContent(), ene.models.TrackModel.↩ getTitle(), ene.views.gui.partial.AbstractTrackListView.hideColumn(), ene.views.gui.partial.LibraryView.load↩ Content(), ene.views.AbstractView< CoreComponentType >.setCoreComponent(), ene.views.gui.partial.↩ AbstractTrackListView.setTable(), ene.views.gui.partial.AbstractTrackListView.setTableRowSorter(), ene.views.↩ gui.partial.AbstractTrackListView.table, ene.views.gui.partial.AbstractTrackListView.TABLE_COLUMN_FILENAME, ene.views.gui.partial.AbstractTrackListView.tableContent, ene.views.gui.partial.AbstractTrackListView.tableRow↩ Sorter, ene.views.AbstractView< CoreComponentType >.title, and ene.views.gui.partial.LibraryView.update().

Here is the call graph for this function:



7.16.3.5 setLibraryController()

```
void ene.views.gui.partial.LibraryView.setLibraryController (
            Controller<?> libraryController ) [protected]
```

Sets the library controller instance.

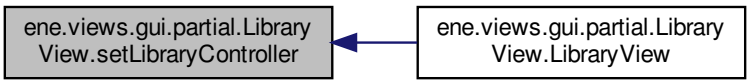
Parameters

libraryController	Library controller instance.

Definition at line 49 of file LibraryView.java.

Referenced by ene.views.gui.partial.LibraryView.LibraryView().

Here is the caller graph for this function:



7.16.3.6 setPlaylistController()

```
void ene.views.gui.partial.LibraryView.setPlaylistController (
            Controller<?> playlistController ) [protected]
```

Sets the playlist controller instance.

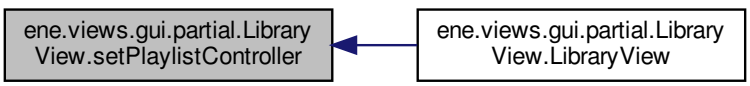
Parameters

playlistController	Playlist controller instance.

Definition at line 65 of file LibraryView.java.

Referenced by ene.views.gui.partial.LibraryView.LibraryView().

Here is the caller graph for this function:



7.16.3.7 update()

```
void ene.views.gui.partial.LibraryView.update ( )
```

Request update.

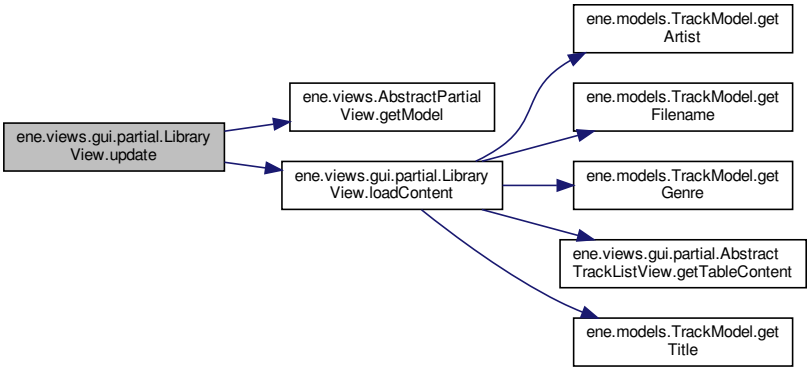
Implements ene.interfaces.PartialView< CoreComponentType, ModelType >.

Definition at line 109 of file LibraryView.java.

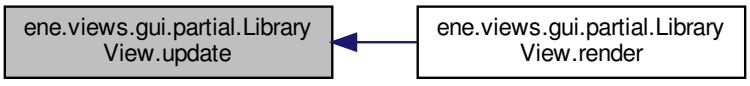
References ene.views.AbstractPartialView< CoreComponentType, ModelType >.getModel(), and ene.views.gui.↩ partial.LibraryView.loadContent().

Referenced by ene.views.gui.partial.LibraryView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.16.4 Member Data Documentation

7.16.4.1 libraryController

`LibraryController ene.views.gui.partial.LibraryView.libraryController [protected]`

Library controller instance.

Definition at line 38 of file LibraryView.java.

Referenced by ene.views.gui.partial.LibraryView.getLibraryController().

7.16.4.2 playlistController

`PlaylistController ene.views.gui.partial.LibraryView.playlistController [protected]`

Playlist controller instance.

Definition at line 43 of file LibraryView.java.

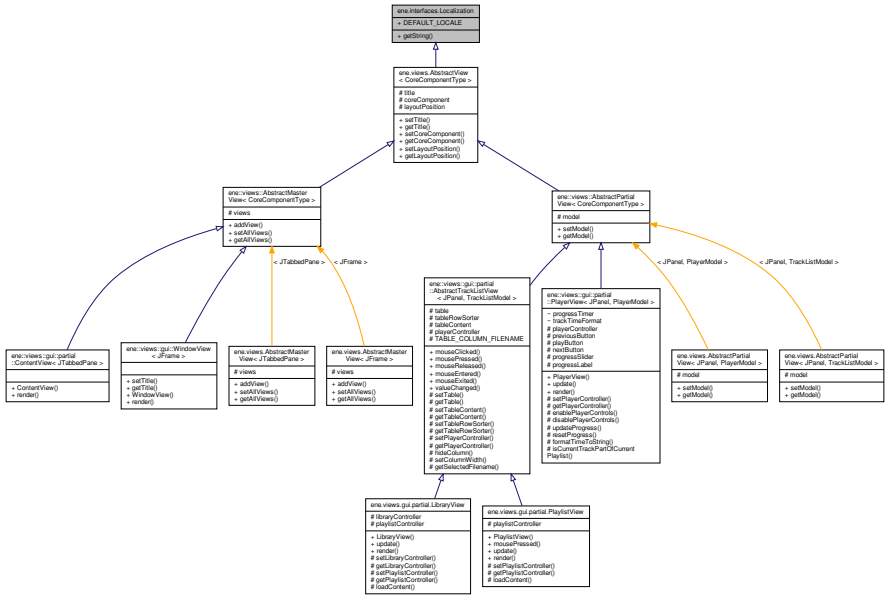
Referenced by ene.views.gui.partial.LibraryView.getPlaylistController().

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

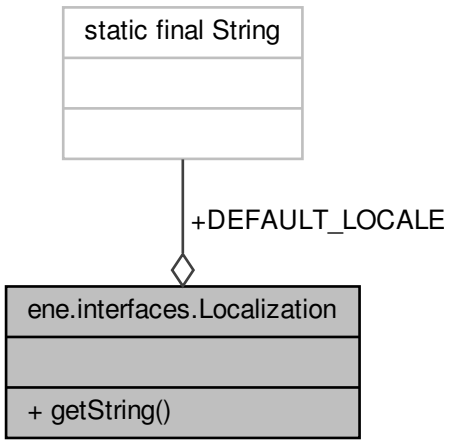
- src/ene/views/gui/partial/LibraryView.java

7.17 ene.interfaces.Localization Interface Reference

Inheritance diagram for ene.interfaces.Localization:



Collaboration diagram for ene.interfaces.Localization:



Public Member Functions

- default String getString (String stringName)

Static Public Attributes

- static final String DEFAULT_LOCALE = "en_US"

7.17.1 Detailed Description

Localization.

Version

1.0.1

Definition at line 10 of file Localization.java.

7.17.2 Member Function Documentation

7.17.2.1 getString()

```
default String ene.interfaces.Localization.getString (
            String stringName )
```

Get the localized string.

Parameters

stringName	String name.

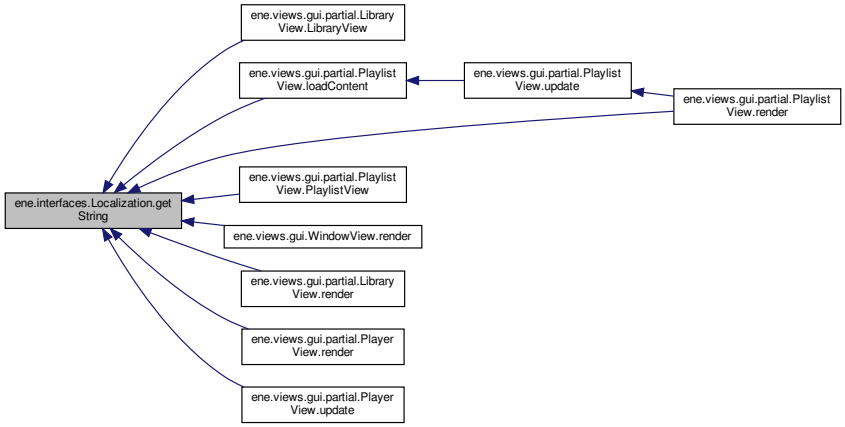
Returns

Localized string.

Definition at line 21 of file Localization.java.

Referenced by ene.views.gui.partial.LibraryView.LibraryView(), ene.views.gui.partial.PlaylistView.loadContent(), ene.views.gui.partial.PlaylistView.PlaylistView(), ene.views.gui.WindowView.render(), ene.views.gui.partial.↩ PlaylistView.render(), ene.views.gui.partial.LibraryView.render(), ene.views.gui.partial.PlayerView.render(), and ene.views.gui.partial.PlayerView.update().

Here is the caller graph for this function:



7.17.3 Member Data Documentation

7.17.3.1 DEFAULT_LOCALE

```
final String ene.interfaces.Localization.DEFAULT_LOCALE = "en_US"  [static]
```

Default locale.

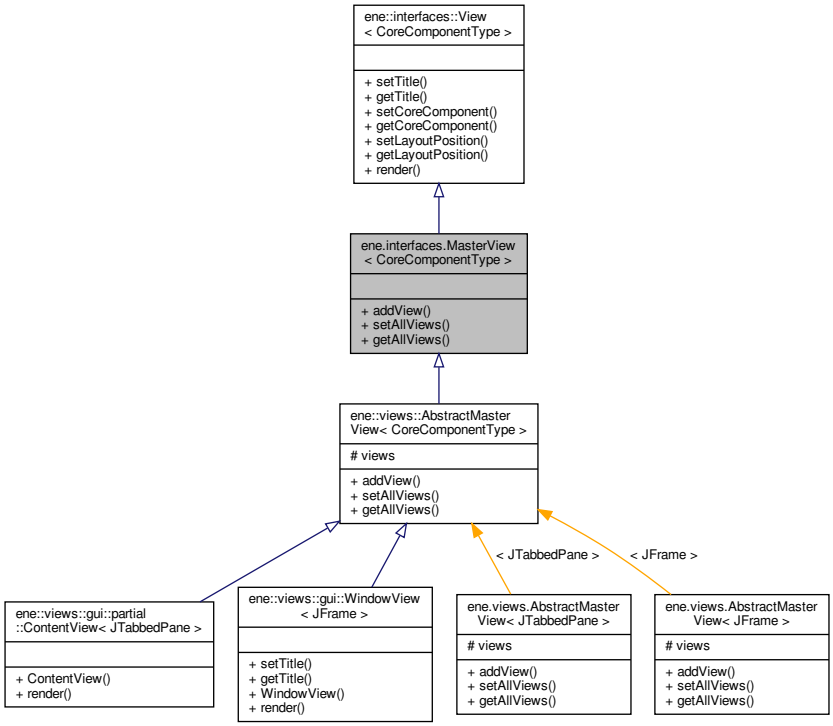
Definition at line 14 of file Localization.java.

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

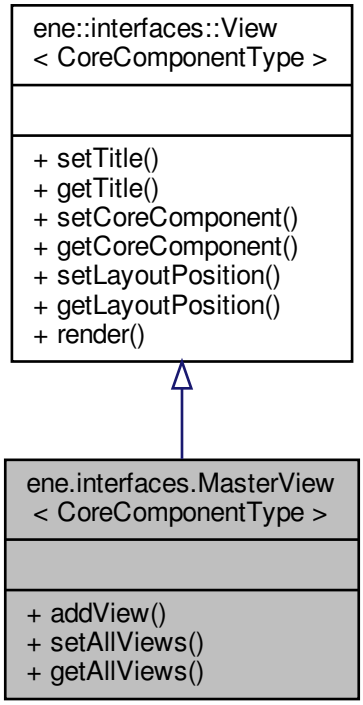
- src/ene/interfaces/Localization.java

7.18 ene.interfaces.MasterView< CoreComponentType > Interface Template Reference

Inheritance diagram for ene.interfaces.MasterView< CoreComponentType >:



Collaboration diagram for ene.interfaces.MasterView< CoreComponentType >:



Public Member Functions

- void addView (View<?> view)
- void setAllViews (List< View<?>> views)
- List< View<?> > getAllViews ()

7.18.1 Detailed Description

Master view.

Since

0.3.0

Version

2.0.0

Definition at line 11 of file MasterView.java.

7.18.2 Member Function Documentation

7.18.2.1 addView()

```
void ene.interfaces.MasterView< CoreComponentType >.addView (
            View<?> view )
```

Adds view instance.

Parameters

view	View instance.

Implemented in ene.views.AbstractMasterView< CoreComponentType >.

7.18.2.2 getAllViews()

```
List<View<?> > ene.interfaces.MasterView< CoreComponentType >.getAllViews ( )
```

Returns all contained view instances.

Returns

List of view instaces.

Implemented in ene.views.AbstractMasterView< CoreComponentType >.

7.18.2.3 setAllViews()

```
void ene.interfaces.MasterView< CoreComponentType >.setAllViews (
            List< View<?>> views )
```

Sets all contained view instances.

Parameters

views	List of view instaces.

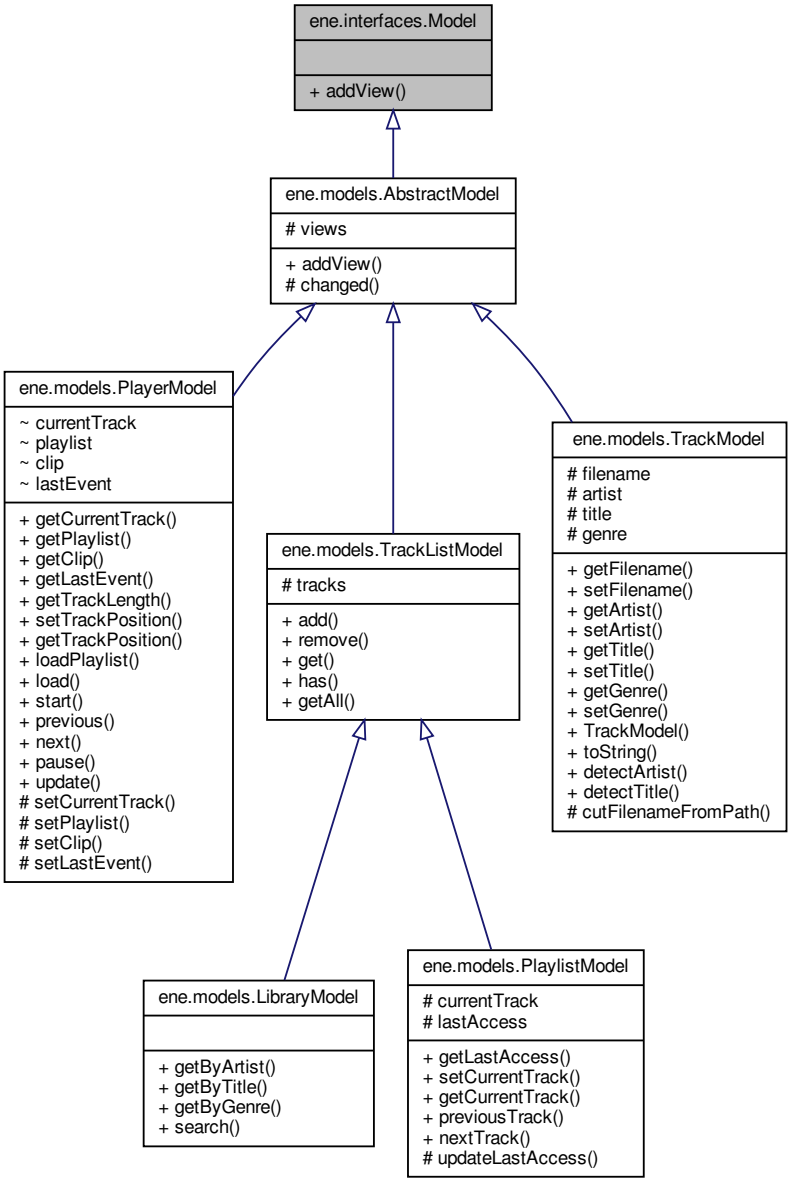
Implemented in ene.views.AbstractMasterView< CoreComponentType >.

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

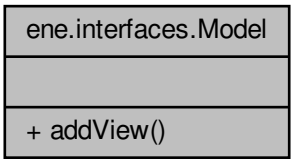
- src/ene/interfaces/MasterView.java

7.19 ene.interfaces.Model Interface Reference

Inheritance diagram for ene.interfaces.Model:



Collaboration diagram for ene.interfaces.Model:



Public Member Functions

- void addView (PartialView<?, ?> view)

7.19.1 Detailed Description

Model.

Version

2.0.0

Definition at line 9 of file Model.java.

7.19.2 Member Function Documentation

7.19.2.1 addView()

```
void ene.interfaces.Model.addView (
            PartialView<?, ?> view )
```

Add related view.

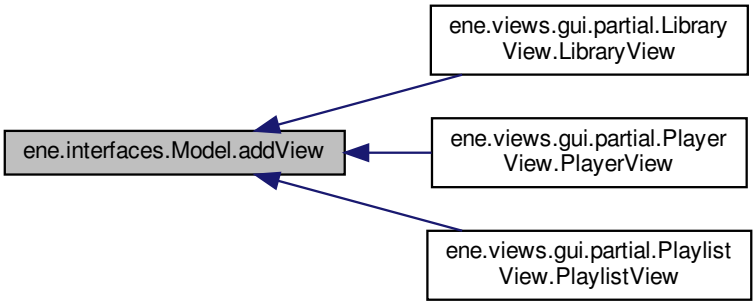
Parameters

view	View.

Implemented in ene.models.AbstractModel.

Referenced by ene.views.gui.partial.LibraryView.LibraryView(), ene.views.gui.partial.PlayerView.PlayerView(), and ene.views.gui.partial.PlaylistView.PlaylistView().

Here is the caller graph for this function:

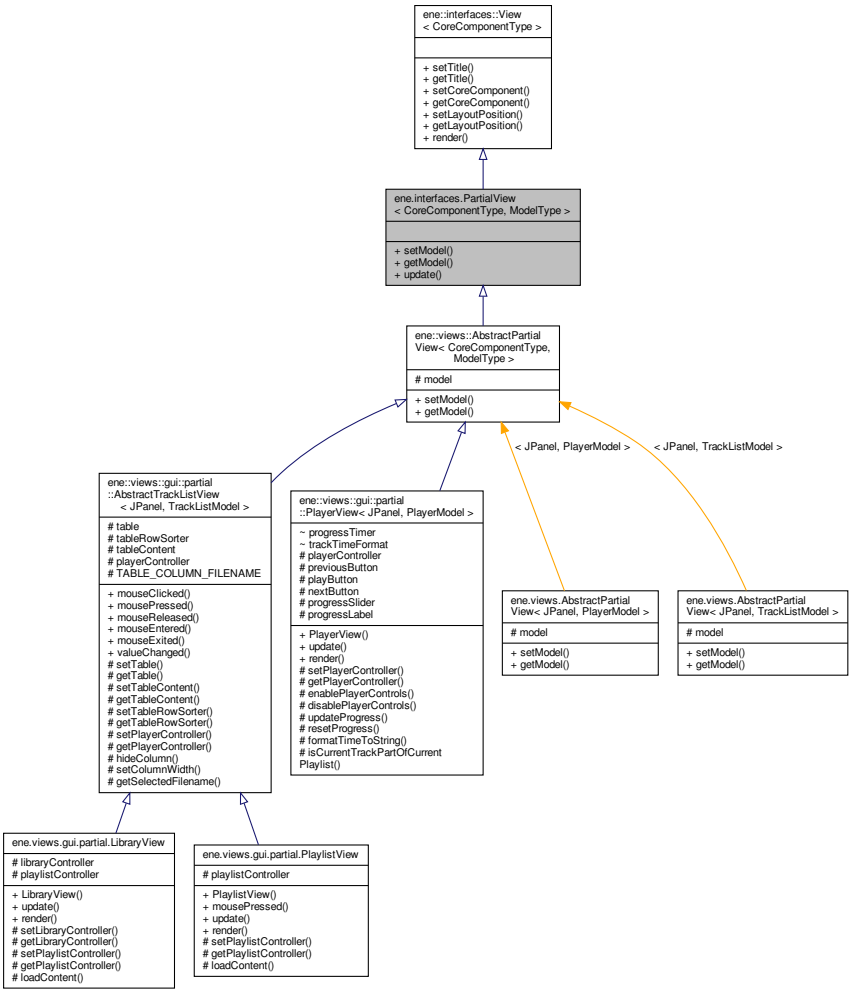


The documentation for this interface was generated from the following file:

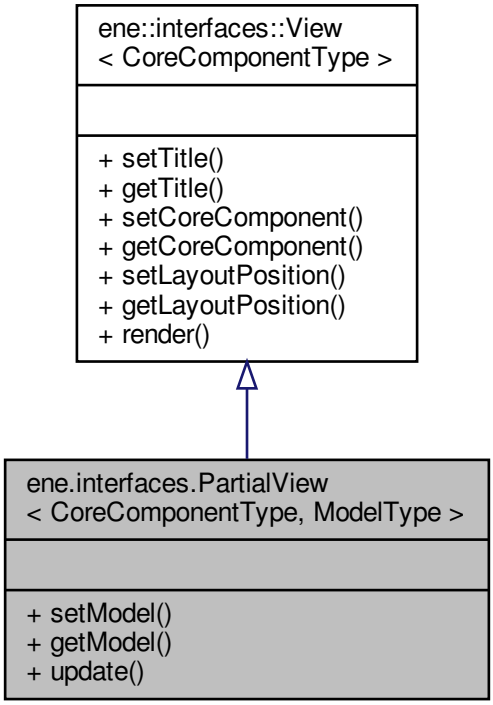
- src/ene/interfaces/Model.java

7.20 ene.interfaces.PartialView< CoreComponentType, ModelType > Interface Template Reference

Inheritance diagram for ene.interfaces.PartialView< CoreComponentType, ModelType >:



Collaboration diagram for ene.interfaces.PartialView< CoreComponentType, ModelType >:



Public Member Functions

- void setModel (Model model)
- ModelType getModel ()
- void update ()

7.20.1 Detailed Description

Partial view.

Since

0.11.0

Version

1.0.0

Definition at line 11 of file PartialView.java.

7.20.2 Member Function Documentation

7.20.2.1 getModel()

```
ModelType ene.interfaces.PartialView< CoreComponentType, ModelType >.getModel ( )
```

Returns the model instance.

Returns

Model instance.

Implemented in ene.views.AbstractPartialView< CoreComponentType, ModelType >.

7.20.2.2 setModel()

```
void ene.interfaces.PartialView< CoreComponentType, ModelType >.setModel (
            Model model )
```

Sets the model instance.

Parameters

model	Model instance.

Implemented in ene.views.AbstractPartialView< CoreComponentType, ModelType >.

7.20.2.3 update()

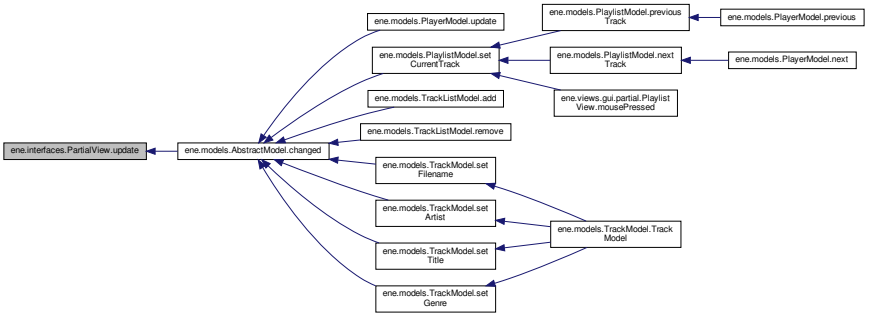
```
void ene.interfaces.PartialView< CoreComponentType, ModelType >.update ( )
```

Request update.

Implemented in ene.views.gui.partial.PlayerView, ene.views.gui.partial.LibraryView, and ene.views.gui.partial.↩ PlaylistView.

Referenced by ene.models.AbstractModel.changed().

Here is the caller graph for this function:

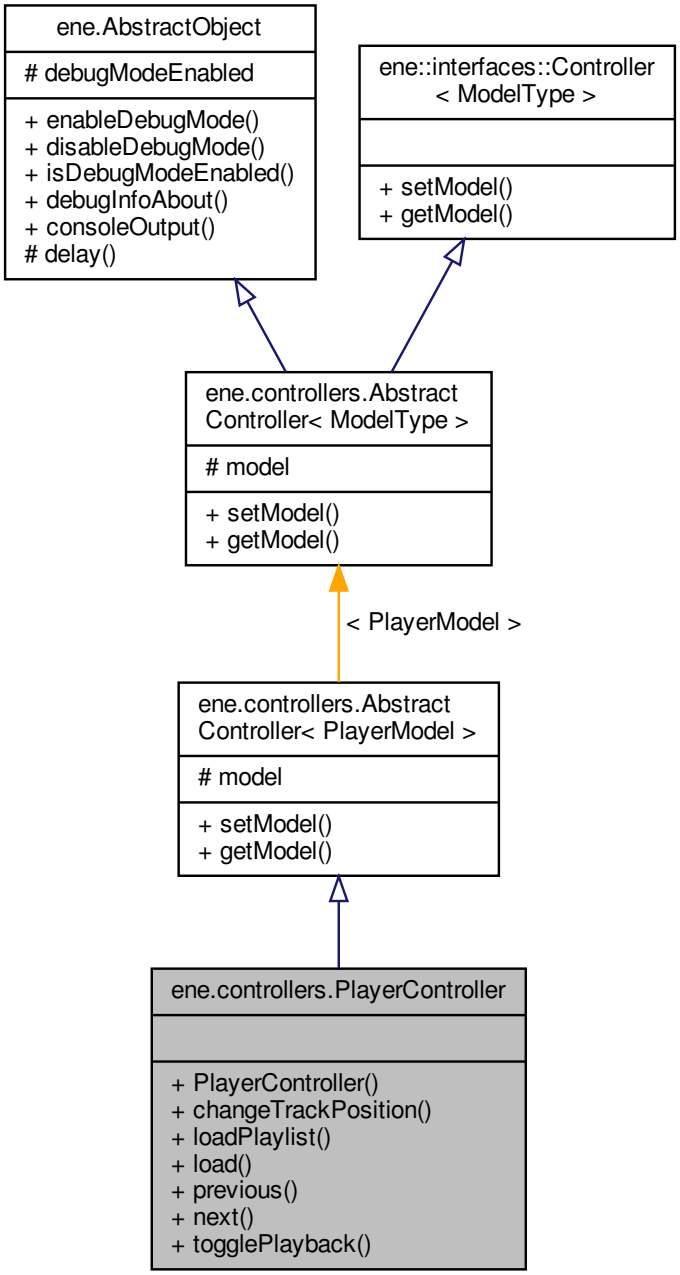


The documentation for this interface was generated from the following file:

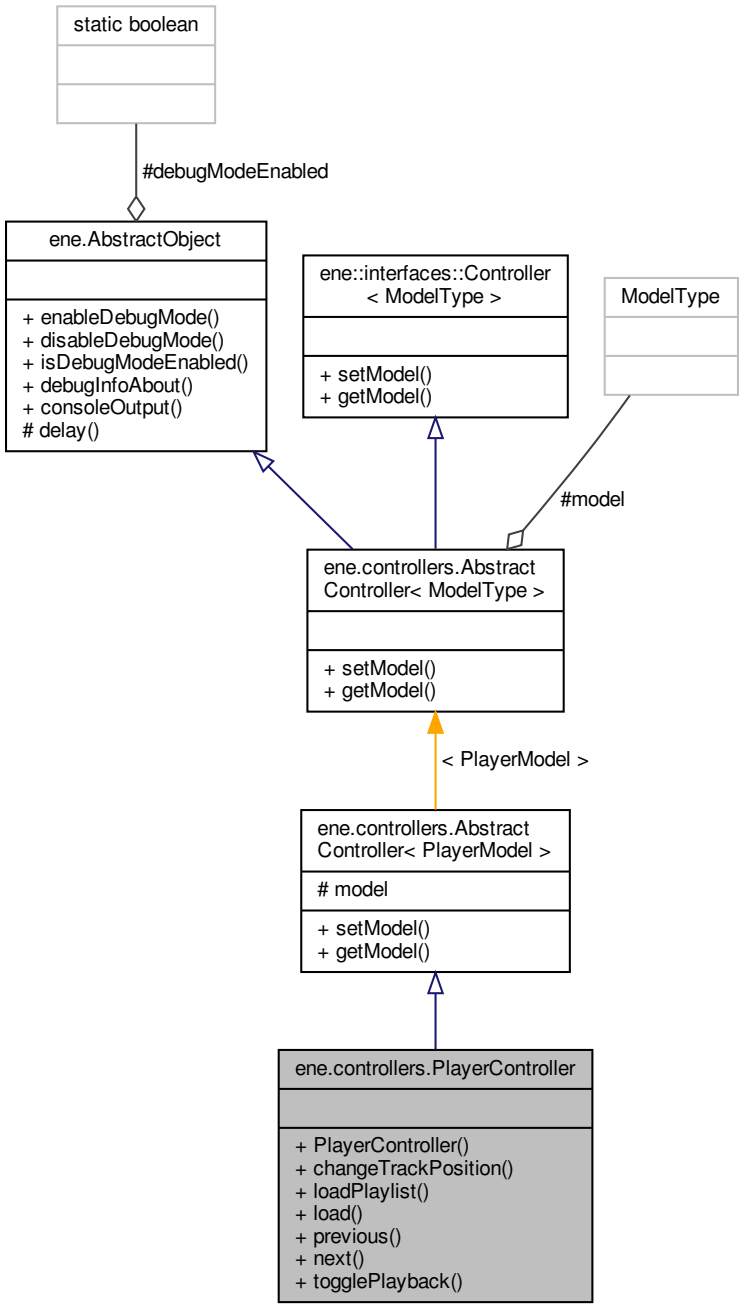
- src/ene/interfaces/PartialView.java

7.21 ene.controllers.PlayerController Class Reference

Inheritance diagram for ene.controllers.PlayerController:



Collaboration diagram for ene.controllers.PlayerController:



Public Member Functions

- PlayerController (Model model)
- void changeTrackPosition (int newPosition)
- boolean loadPlaylist (PlaylistModel playlist)
- boolean load (TrackModel track)
- boolean previous ()
- boolean next ()
- void togglePlayback ()

Additional Inherited Members

7.21.1 Detailed Description

Player controller.

Version

1.1.0

Definition at line 14 of file PlayerController.java.

7.21.2 Constructor & Destructor Documentation

7.21.2.1 PlayerController()

```
ene.controllers.PlayerController.PlayerController (
            Model model )
```

Constructor.

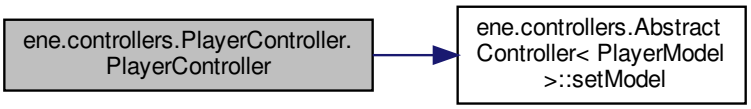
Parameters

model	Player model instance.

Definition at line 19 of file PlayerController.java.

References ene.controllers.AbstractController< PlayerModel >.setModel().

Here is the call graph for this function:



7.21.3 Member Function Documentation

7.21.3.1 changeTrackPosition()

```
void ene.controllers.PlayerController.changeTrackPosition (
            int newPosition )
```

Changes the current track position.

Parameters

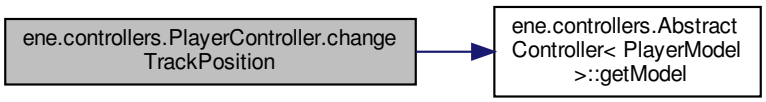
newPosition	New track position in seconds.

Definition at line 27 of file PlayerController.java.

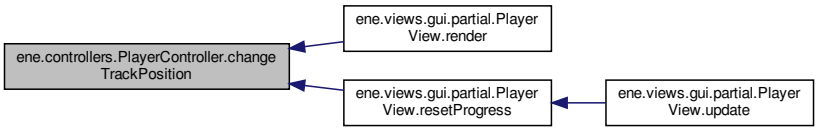
References ene.controllers.AbstractController< PlayerModel >.getModel().

Referenced by ene.views.gui.partial.PlayerView.render(), and ene.views.gui.partial.PlayerView.resetProgress().

Here is the call graph for this function:



Here is the caller graph for this function:



7.21.3.2 load()

```
boolean ene.controllers.PlayerController.load (
            TrackModel track )
```

Load track.

Parameters

track	Track model instance.

Returns

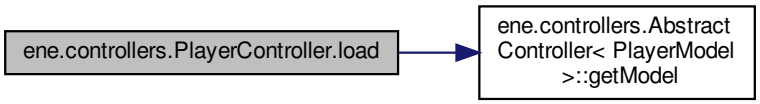
Returns TRUE, if successful. Otherwise FALSE.

Definition at line 47 of file PlayerController.java.

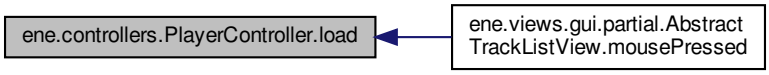
References ene.controllers.AbstractController< PlayerModel >.getModel().

Referenced by ene.views.gui.partial.AbstractTrackListView.mousePressed().

Here is the call graph for this function:



Here is the caller graph for this function:



7.21.3.3 loadPlaylist()

```
boolean ene.controllers.PlayerController.loadPlaylist (
            PlaylistModel playlist )
```

Load playlist.

Parameters

playlist	Playlist model instance.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

1.0.0

Version

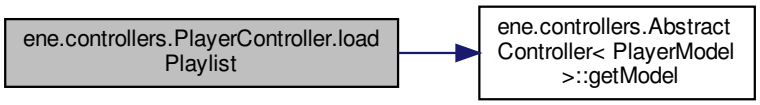
1.0.0

Definition at line 38 of file PlayerController.java.

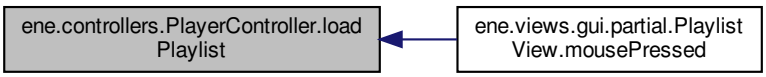
References ene.controllers.AbstractController< PlayerModel >.getModel().

Referenced by ene.views.gui.partial.PlaylistView.mousePressed().

Here is the call graph for this function:



Here is the caller graph for this function:



7.21.3.4 next()

```
boolean ene.controllers.PlayerController.next ( )
```

Jumps to the next track in the current playlist.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

1.0.0

Version

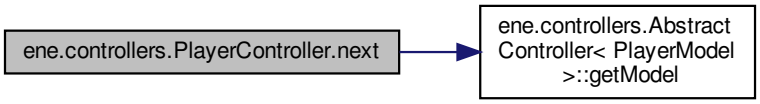
1.0.0

Definition at line 67 of file PlayerController.java.

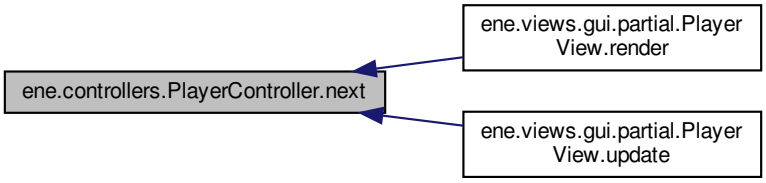
References ene.controllers.AbstractController< PlayerModel >.getModel().

Referenced by ene.views.gui.partial.PlayerView.render(), and ene.views.gui.partial.PlayerView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.21.3.5 previous()

```
boolean ene.controllers.PlayerController.previous ( )
```

Jumps to the previous track in the current playlist.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

1.0.0

Version

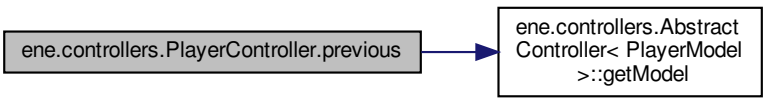
1.0.0

Definition at line 57 of file PlayerController.java.

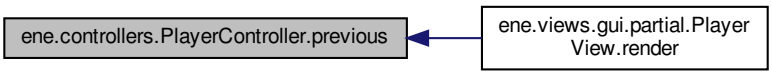
References ene.controllers.AbstractController< PlayerModel >.getModel().

Referenced by ene.views.gui.partial.PlayerView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.21.3.6 togglePlayback()

```
void ene.controllers.PlayerController.togglePlayback ( )
```

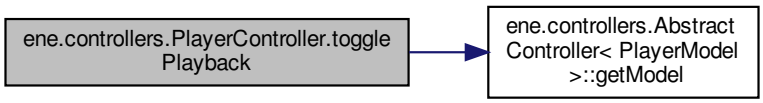
Toggle playback.

Definition at line 74 of file PlayerController.java.

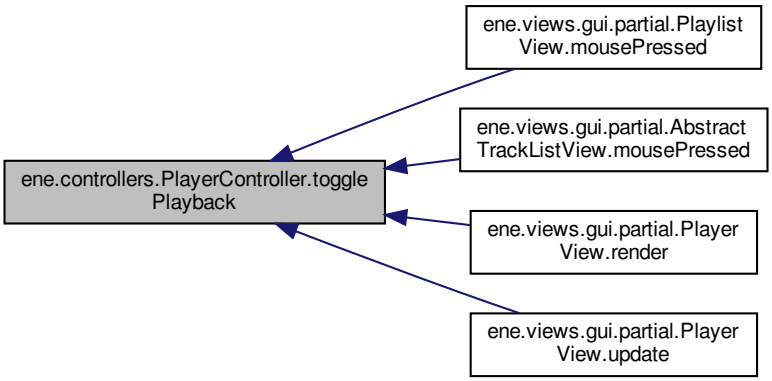
References ene.controllers.AbstractController< PlayerModel >.getModel().

Referenced by ene.views.gui.partial.PlaylistView.mousePressed(), ene.views.gui.partial.AbstractTrackListView.↩ mousePressed(), ene.views.gui.partial.PlayerView.render(), and ene.views.gui.partial.PlayerView.update().

Here is the call graph for this function:



Here is the caller graph for this function:

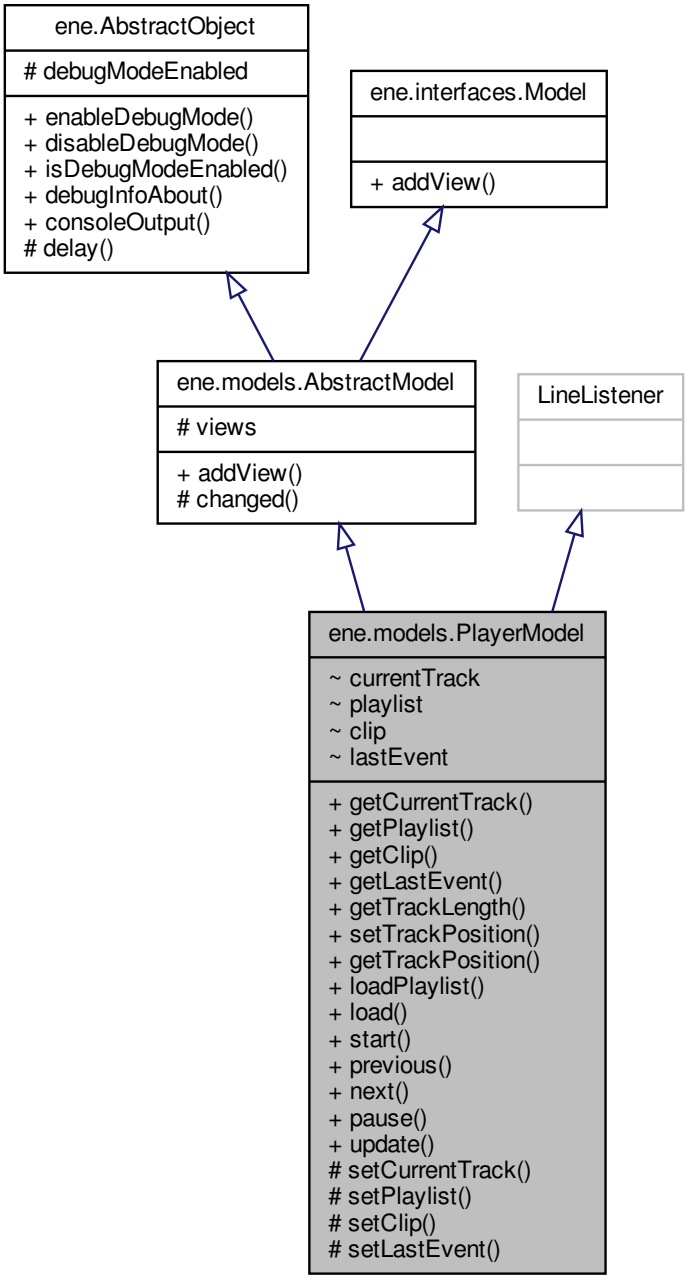


The documentation for this class was generated from the following file:

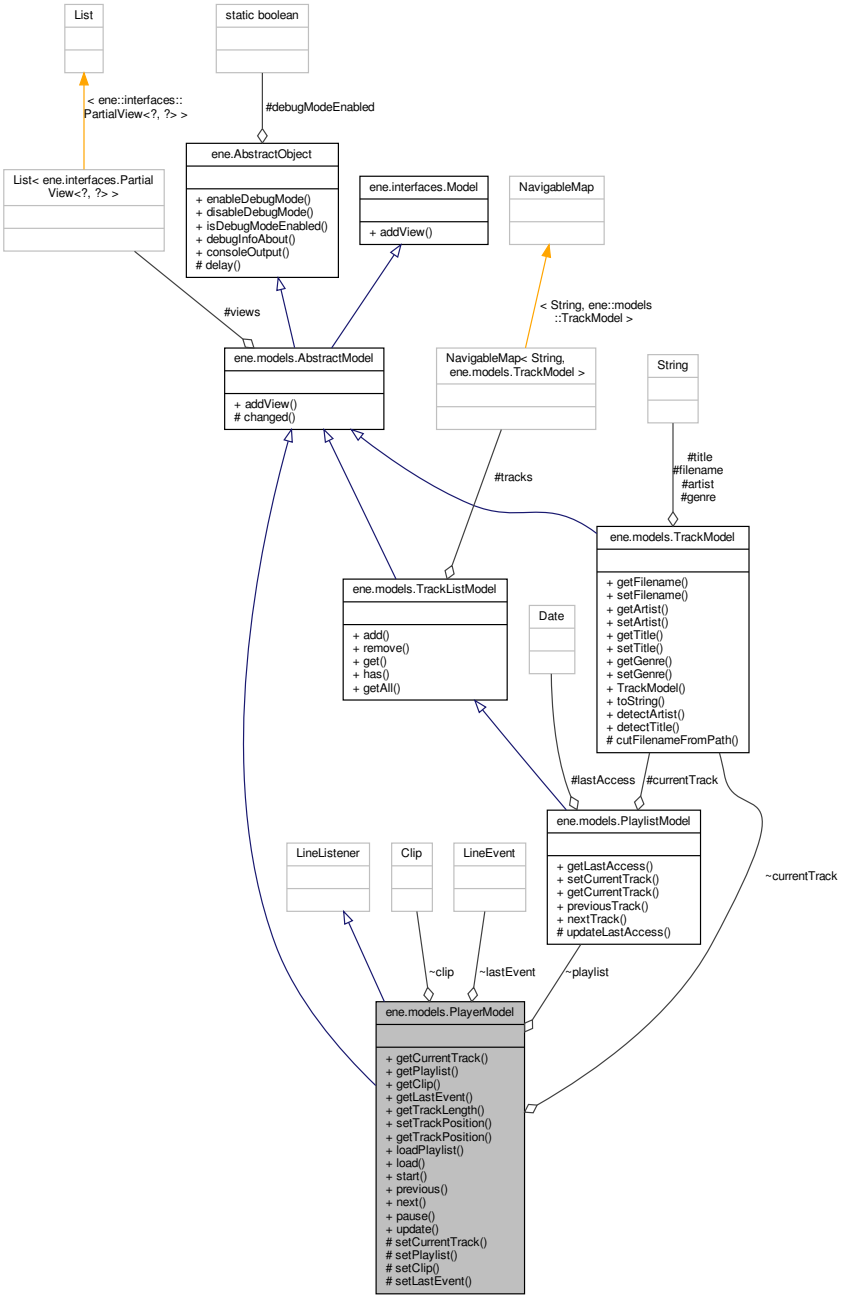
- src/ene/controllers/PlayerController.java

7.22 ene.models.PlayerModel Class Reference

Inheritance diagram for ene.models.PlayerModel:



Collaboration diagram for ene.models.PlayerModel:



Public Member Functions

- TrackModel getCurrentTrack ()
- PlaylistModel getPlaylist ()
- Clip getClip ()
- LineEvent getLastEvent ()
- int getTrackLength ()
- void setTrackPosition (int position)
- int getTrackPosition ()

- boolean loadPlaylist (PlaylistModel playlist)
- boolean load (TrackModel track)
- boolean start ()
- boolean previous ()
- boolean next ()
- boolean pause ()
- void update (LineEvent event)

Protected Member Functions

- void setCurrentTrack (TrackModel track)
- void setPlaylist (PlaylistModel playlist)
- void setClip (Clip clip)
- void setLastEvent (LineEvent event)

Package Attributes

- TrackModel currentTrack
- PlaylistModel playlist
- Clip clip
- LineEvent lastEvent

Additional Inherited Members

7.22.1 Detailed Description

Player model.

Version

1.1.1

Definition at line 19 of file PlayerModel.java.

7.22.2 Member Function Documentation

7.22.2.1 getClip()

```
Clip ene.models.PlayerModel.getClip ( )
```

Returns the clip.

Returns

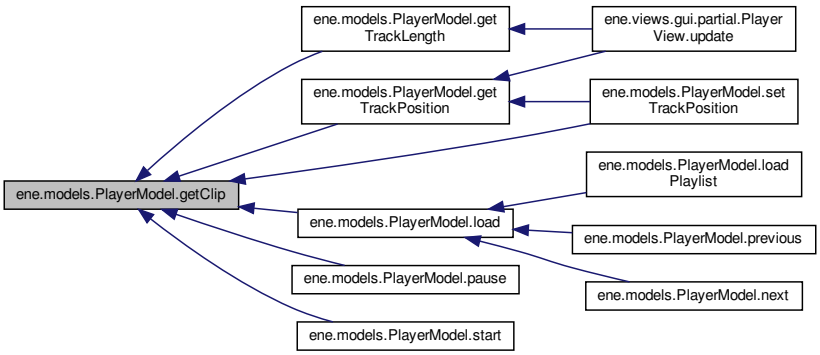
Clip instance.

Definition at line 86 of file PlayerModel.java.

References ene.models.PlayerModel.clip.

Referenced by ene.models.PlayerModel.getTrackLength(), ene.models.PlayerModel.getTrackPosition(), ene.↩ models.PlayerModel.load(), ene.models.PlayerModel.pause(), ene.models.PlayerModel.setTrackPosition(), and ene.models.PlayerModel.start().

Here is the caller graph for this function:



7.22.2.2 getCurrentTrack()

```
TrackModel ene.models.PlayerModel.getCurrentTrack ( )
```

Returns the current track model instance.

Returns

Track model instance.

Since

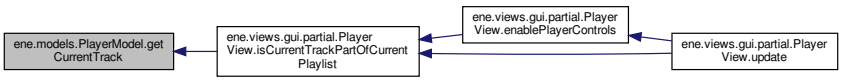
1.0.0

Definition at line 53 of file PlayerModel.java.

References ene.models.PlayerModel.currentTrack.

Referenced by ene.views.gui.partial.PlayerView.isCurrentTrackPartOfCurrentPlaylist().

Here is the caller graph for this function:



7.22.2.3 getLastEvent()

```
LineEvent ene.models.PlayerModel.getLastEvent ( )
```

Returns the last event.

Returns

Line event instance.

Definition at line 102 of file PlayerModel.java.

References ene.models.PlayerModel.lastEvent.

7.22.2.4 getPlaylist()

```
PlaylistModel ene.models.PlayerModel.getPlaylist ( )
```

Returns the playlist model instance.

Returns

Playlist model instance.

Since

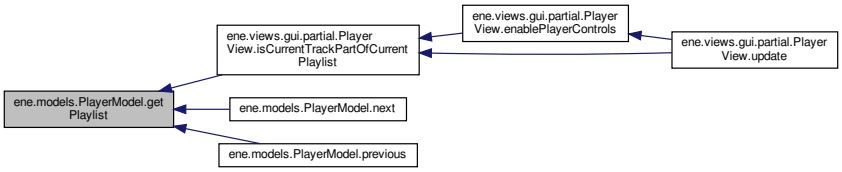
1.0.0

Definition at line 70 of file PlayerModel.java.

References ene.models.PlayerModel.playlist.

Referenced by ene.views.gui.partial.PlayerView.isCurrentTrackPartOfCurrentPlaylist(), ene.models.PlayerModel.next(), and ene.models.PlayerModel.previous().

Here is the caller graph for this function:



7.22.2.5 getTrackLength()

```
int ene.models.PlayerModel.getTrackLength ( )
```

Returns the track length.

Returns

Track length in seconds.

Version

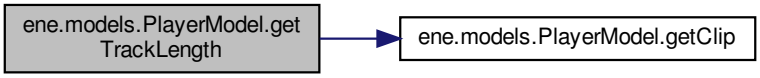
1.0.1

Definition at line 111 of file PlayerModel.java.

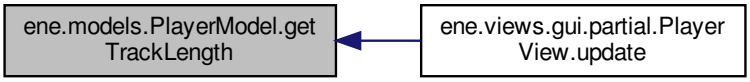
References ene.models.PlayerModel.getClip().

Referenced by ene.views.gui.partial.PlayerView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.22.2.6 getTrackPosition()

```
int ene.models.PlayerModel.getTrackPosition ( )
```

Returns the current track position.

Returns

Current track position in seconds.

Version

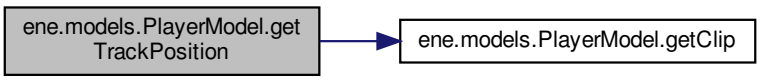
1.0.1

Definition at line 128 of file PlayerModel.java.

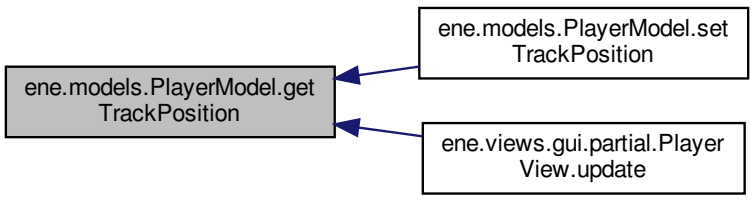
References ene.models.PlayerModel.getClip().

Referenced by ene.models.PlayerModel.setTrackPosition(), and ene.views.gui.partial.PlayerView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.22.2.7 load()

```
boolean ene.models.PlayerModel.load (
            TrackModel track )
```

Load track. Implementation inpired by: https://www.tutorials.de/threads/kontinuierlich-laufende-hinte
359029

Parameters

track	Track model instance.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Version

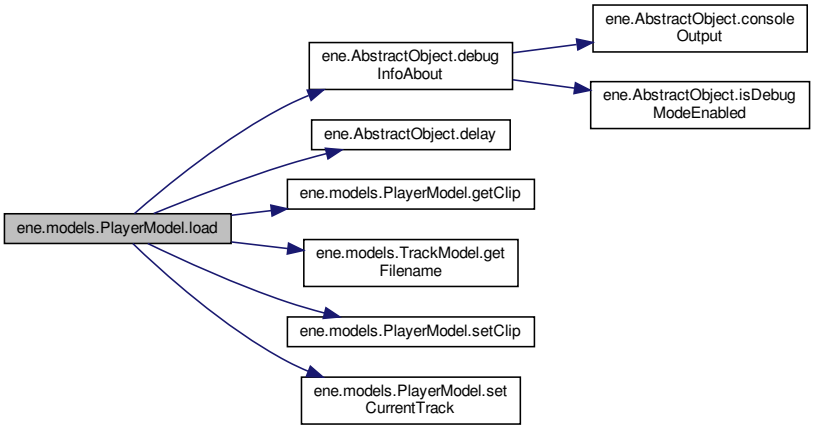
1.0.1

Definition at line 151 of file PlayerModel.java.

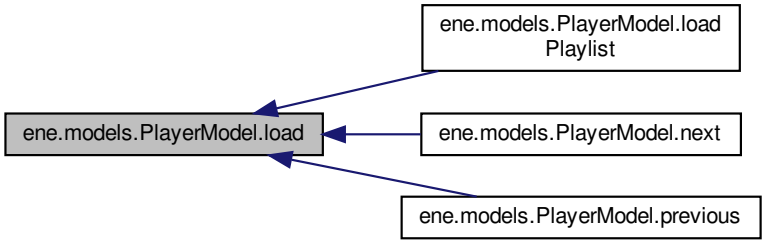
References ene.AbstractObject.debugInfoAbout(), ene.AbstractObject.delay(), ene.models.PlayerModel.getClip(), ene.models.TrackModel.getFilename(), ene.models.PlayerModel.setClip(), and ene.models.PlayerModel.set↩CurrentTrack().

Referenced by ene.models.PlayerModel.loadPlaylist(), ene.models.PlayerModel.next(), and ene.models.Player↩Model.previous().

Here is the call graph for this function:



Here is the caller graph for this function:



7.22.2.8 loadPlaylist()

```
boolean ene.models.PlayerModel.loadPlaylist (
            PlaylistModel playlist )
```

Loads playlist.

Parameters

playlist	Playlist model instance.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

1.0.0

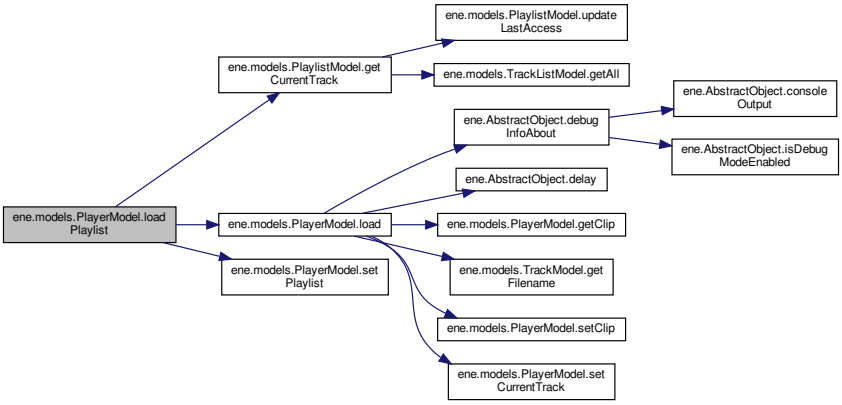
Version

1.0.0

Definition at line 139 of file PlayerModel.java.

References ene.models.PlaylistModel.getCurrentTrack(), ene.models.PlayerModel.load(), and ene.models.Player↩ Model.setPlaylist().

Here is the call graph for this function:



7.22.2.9 next()

```
boolean ene.models.PlayerModel.next ( )
```

Jumps to the next track.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

1.0.0

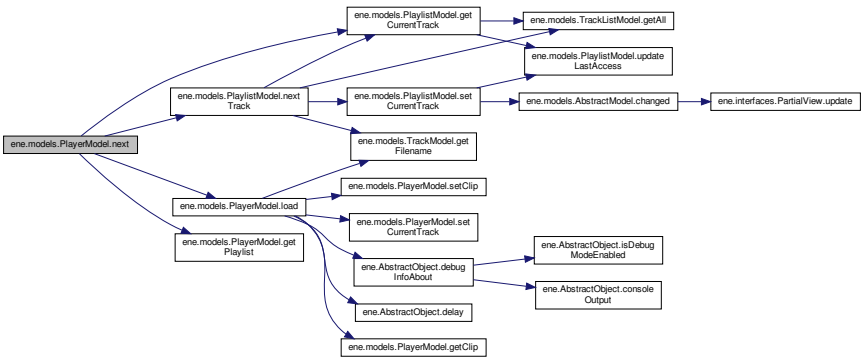
Version

1.0.0

Definition at line 213 of file PlayerModel.java.

References ene.models.PlaylistModel.getCurrentTrack(), ene.models.PlayerModel.getPlaylist(), ene.models.↩ PlayerModel.load(), and ene.models.PlaylistModel.nextTrack().

Here is the call graph for this function:



7.22.2.10 pause()

```
boolean ene.models.PlayerModel.pause ( )
```

Pause playing.

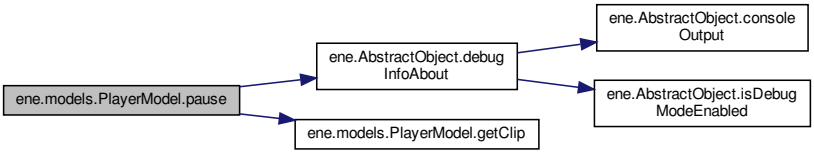
Returns

Returns TRUE, if successful. Otherwise FALSE.

Definition at line 227 of file PlayerModel.java.

References ene.AbstractObject.debugInfoAbout(), and ene.models.PlayerModel.getClip().

Here is the call graph for this function:



7.22.2.11 previous()

```
boolean ene.models.PlayerModel.previous ( )
```

Jumps to the previous track.

Returns

Returns TRUE, if successful. Otherwise FALSE.

Since

1.0.0

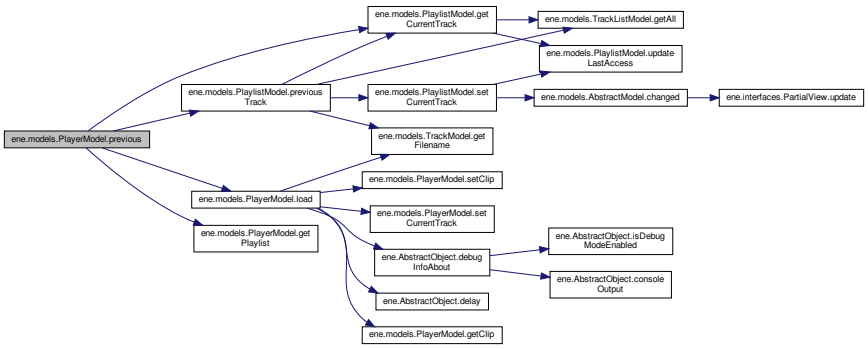
Version

1.0.0

Definition at line 197 of file PlayerModel.java.

References ene.models.PlaylistModel.getCurrentTrack(), ene.models.PlayerModel.getPlaylist(), ene.models.↩ PlayerModel.load(), and ene.models.PlaylistModel.previousTrack().

Here is the call graph for this function:



7.22.2.12 setClip()

```
void ene.models.PlayerModel.setClip (
            Clip clip )  [protected]
```

Sets the clip.

Parameters

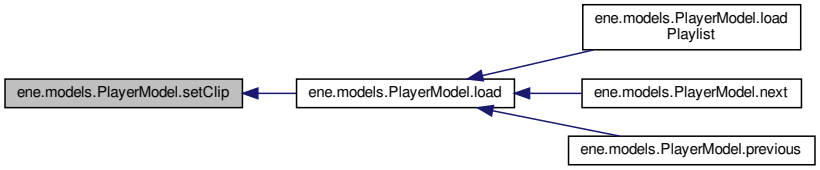
clip	Clip instance.

Definition at line 78 of file PlayerModel.java.

References ene.models.PlayerModel.clip.

Referenced by ene.models.PlayerModel.load().

Here is the caller graph for this function:



7.22.2.13 setCurrentTrack()

```
void ene.models.PlayerModel.setCurrentTrack (
            TrackModel track )  [protected]
```

Sets the current track model instance.

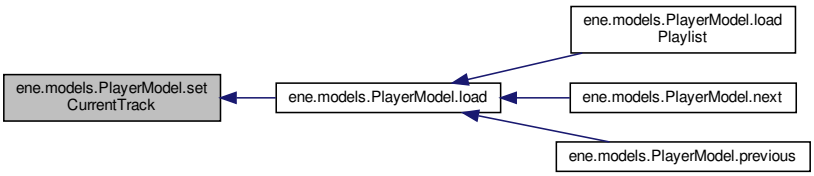
Parameters

track	Track model instance.

Definition at line 44 of file PlayerModel.java.

Referenced by ene.models.PlayerModel.load().

Here is the caller graph for this function:



7.22.2.14 setLastEvent()

```
void ene.models.PlayerModel.setLastEvent (
            LineEvent event )  [protected]
```

Sets the last event.

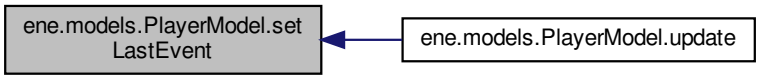
Parameters

event	Line event instance.

Definition at line 94 of file PlayerModel.java.

Referenced by ene.models.PlayerModel.update().

Here is the caller graph for this function:



7.22.2.15 setPlaylist()

```
void ene.models.PlayerModel.setPlaylist (
            PlaylistModel playlist )  [protected]
```

Sets the playlist model instance.

Parameters

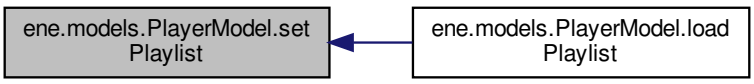
playlist	Playlist model instance.

Definition at line 61 of file PlayerModel.java.

References ene.models.PlayerModel.playlist.

Referenced by ene.models.PlayerModel.loadPlaylist().

Here is the caller graph for this function:



7.22.2.16 setTrackPosition()

```
void ene.models.PlayerModel.setTrackPosition (
            int position )
```

Sets the current track position.

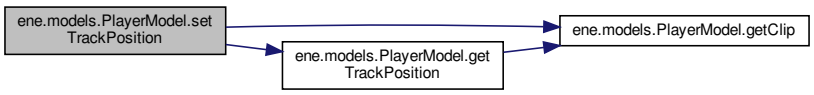
Parameters

position	Track position in seconds.

Definition at line 119 of file PlayerModel.java.

References ene.models.PlayerModel.getClip(), and ene.models.PlayerModel.getTrackPosition().

Here is the call graph for this function:



7.22.2.17 start()

```
boolean ene.models.PlayerModel.start ( )
```

Start playing.

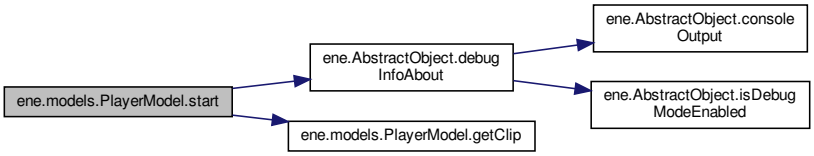
Returns

Returns TRUE, if successful. Otherwise FALSE.

Definition at line 181 of file PlayerModel.java.

References ene.AbstractObject.debugInfoAbout(), and ene.models.PlayerModel.getClip().

Here is the call graph for this function:



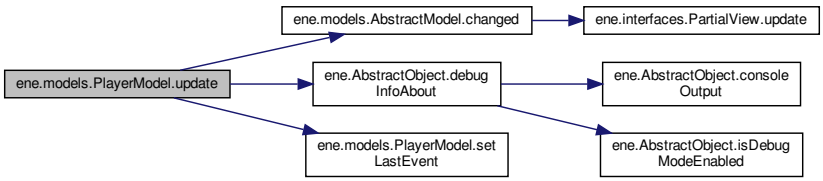
7.22.2.18 update()

```
void ene.models.PlayerModel.update (
            LineEvent event )
```

Definition at line 238 of file PlayerModel.java.

References ene.models.AbstractModel.changed(), ene.AbstractObject.debugInfoAbout(), and ene.models.PlayerModel.setLastEvent().

Here is the call graph for this function:



7.22.3 Member Data Documentation

7.22.3.1 clip

```
Clip ene.models.PlayerModel.clip  [package]
```

Clip instance.

Definition at line 33 of file PlayerModel.java.

Referenced by ene.models.PlayerModel.getClip(), and ene.models.PlayerModel.setClip().

7.22.3.2 currentTrack

```
TrackModel ene.models.PlayerModel.currentTrack  [package]
```

Current track instance.

Definition at line 23 of file PlayerModel.java.

Referenced by ene.models.PlayerModel.getCurrentTrack().

7.22.3.3 lastEvent

```
LineEvent ene.models.PlayerModel.lastEvent  [package]
```

Line event instance.

Definition at line 38 of file PlayerModel.java.

Referenced by ene.models.PlayerModel.getLastEvent().

7.22.3.4 playlist

```
PlaylistModel ene.models.PlayerModel.playlist  [package]
```

Playlist model instance.

Definition at line 28 of file PlayerModel.java.

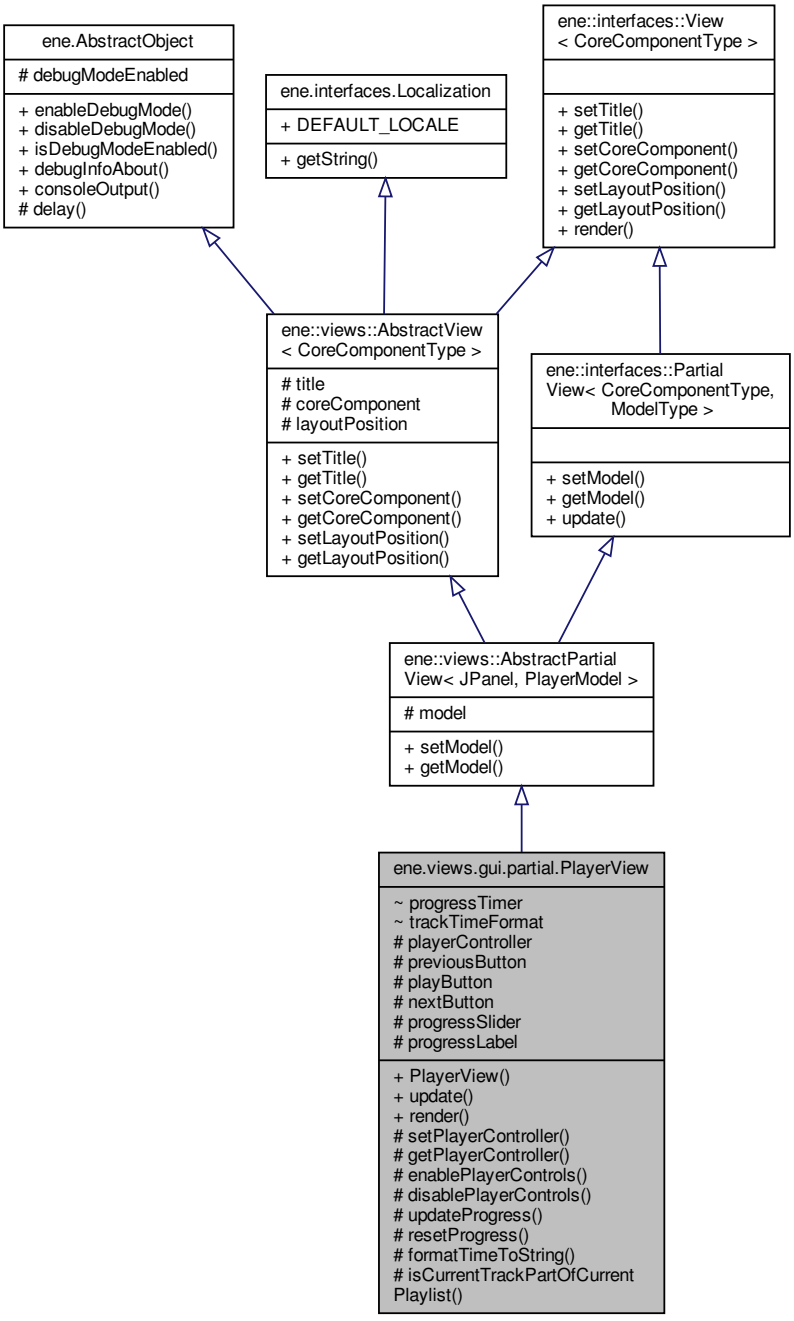
Referenced by ene.models.PlayerModel.getPlaylist(), and ene.models.PlayerModel.setPlaylist().

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

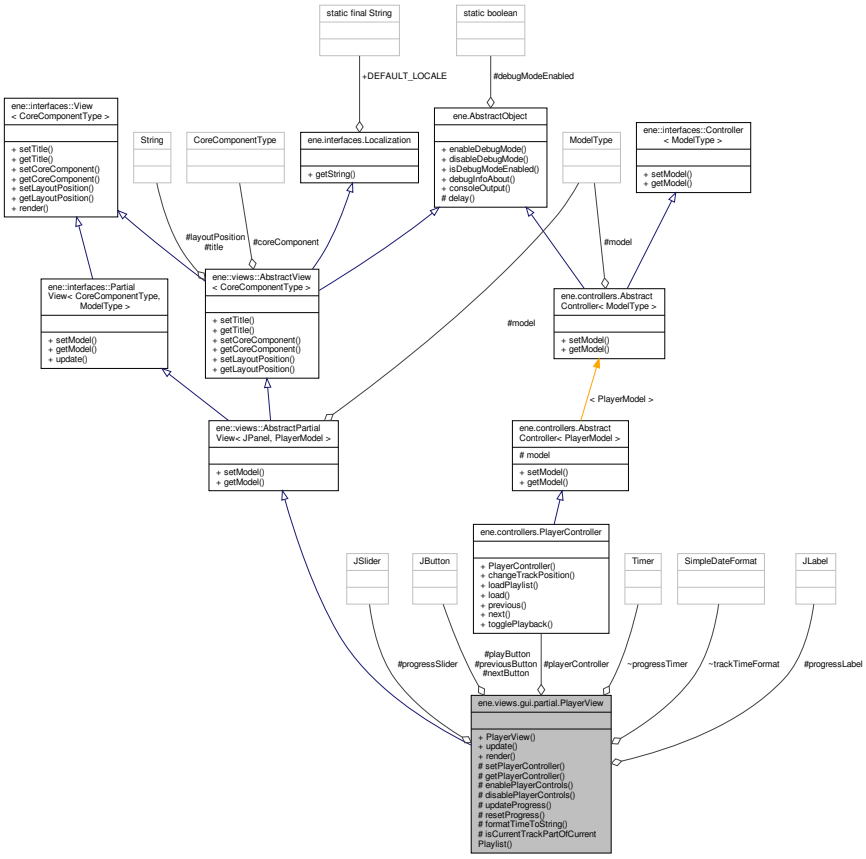
- src/ene/models/PlayerModel.java

7.23 ene.views.gui.partial.PlayerView Class Reference

Inheritance diagram for ene.views.gui.partial.PlayerView:



Collaboration diagram for ene.views.gui.partial.PlayerView:



Public Member Functions

- PlayerView (Model model, Controller<?> playerController)
- void update ()
- void render ()

Protected Member Functions

- void setPlayerController (Controller<?> playerController)
- PlayerController getPlayerController ()
- void enablePlayerControls ()
- void disablePlayerControls ()
- void updateProgress ()
- void resetProgress ()
- String formatTimeToString (int timeInSeconds)
- boolean isCurrentTrackPartOfCurrentPlaylist (PlayerModel player)

Protected Attributes

- PlayerController playerController
- JButton previousButton
- JButton playButton
- JButton nextButton
- JSlider progressSlider
- JLabel progressLabel

Package Attributes

- Timer progressTimer
- SimpleDateFormat trackTimeFormat

Additional Inherited Members

7.23.1 Detailed Description

Player view.

Version

2.2.2

Definition at line 26 of file PlayerView.java.

7.23.2 Constructor & Destructor Documentation

7.23.2.1 PlayerView()

```
ene.views.gui.partial.PlayerView.PlayerView (
            Model model,
            Controller<?> playerController )
```

Constructor.

Parameters

model	Player model instance.
playerController	Player controller instance.

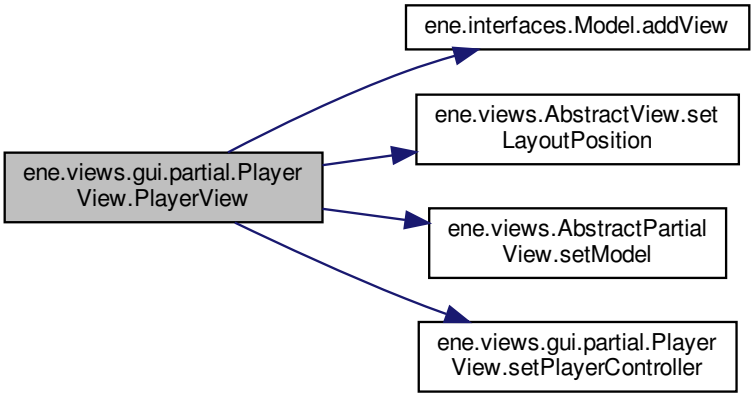
Version

1.1.0

Definition at line 89 of file PlayerView.java.

References ene.interfaces.Model.addView(), ene.views.AbstractView< CoreComponentType >.setLayout↩ Position(), ene.views.AbstractPartialView< CoreComponentType, ModelType >.setModel(), and ene.views.↩ gui.partial.PlayerView.setPlayerController().

Here is the call graph for this function:



7.23.3 Member Function Documentation

7.23.3.1 disablePlayerControls()

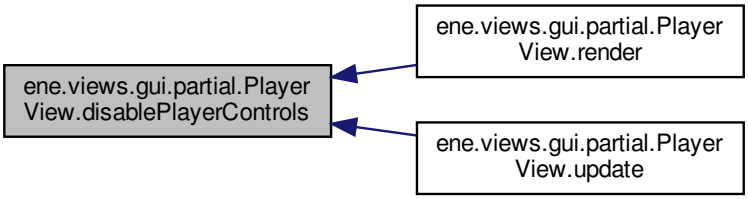
```
void ene.views.gui.partial.PlayerView.disablePlayerControls ( )  [protected]
```

Disables player controls.

Definition at line 112 of file PlayerView.java.

Referenced by ene.views.gui.partial.PlayerView.render(), and ene.views.gui.partial.PlayerView.update().

Here is the caller graph for this function:



7.23.3.2 enablePlayerControls()

```
void ene.views.gui.partial.PlayerView.enablePlayerControls ( )  [protected]
```

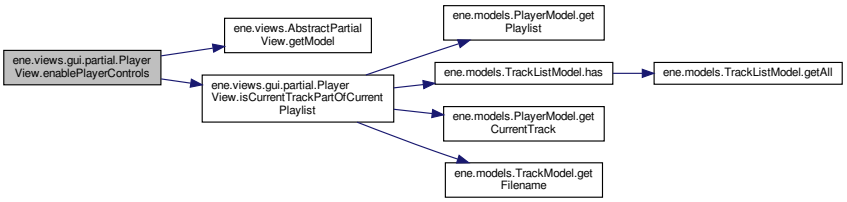
Enables player controls.

Definition at line 99 of file PlayerView.java.

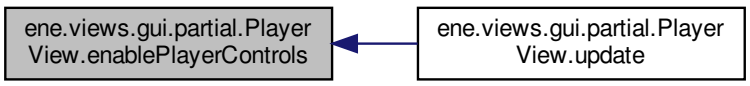
References ene.views.AbstractPartialView< CoreComponentType, ModelType >.getModel(), and ene.views.gui.↩ partial.PlayerView.isCurrentTrackPartOfCurrentPlaylist().

Referenced by ene.views.gui.partial.PlayerView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.23.3.3 formatTimeToString()

```
String ene.views.gui.partial.PlayerView.formatTimeToString (
            int timeInSeconds )  [protected]
```

Returns a string representation of the time.

Parameters

timeInSeconds	Time in seconds.

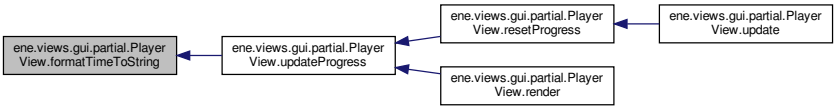
Returns

String representation of the time.

Definition at line 148 of file PlayerView.java.

Referenced by ene.views.gui.partial.PlayerView.updateProgress().

Here is the caller graph for this function:



7.23.3.4 getPlayerController()

```
PlayerController ene.views.gui.partial.PlayerView.getPlayerController ( )  [protected]
```

Returns the player controller instance.

Returns

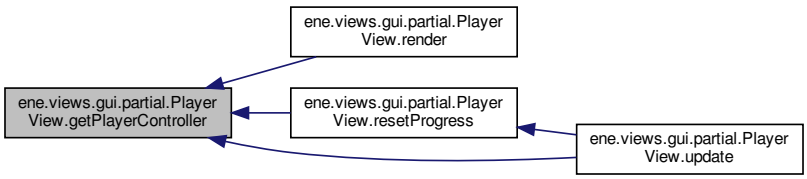
Player controller instance.

Definition at line 79 of file PlayerView.java.

References ene.views.gui.partial.PlayerView.playerController.

Referenced by ene.views.gui.partial.PlayerView.render(), ene.views.gui.partial.PlayerView.resetProgress(), and ene.views.gui.partial.PlayerView.update().

Here is the caller graph for this function:



7.23.3.5 isCurrentTrackPartOfCurrentPlaylist()

```
boolean ene.views.gui.partial.PlayerView.isCurrentTrackPartOfCurrentPlaylist (
            PlayerModel player )  [protected]
```

Checks, if the current track a part of the current playlist is.

Returns

Returns TRUE, if it is a part of. Otherwise FALSE.

Since

1.0.0

Version

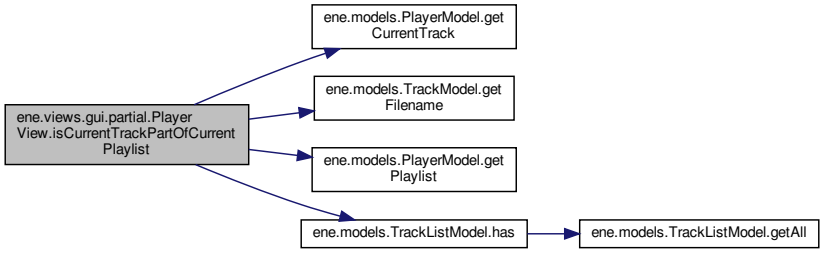
1.0.0

Definition at line 191 of file PlayerView.java.

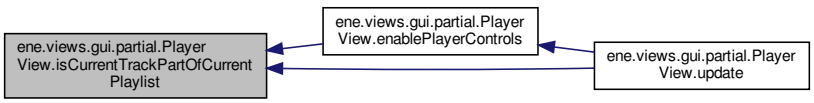
References ene.models.PlayerModel.getCurrentTrack(), ene.models.TrackModel.getFilename(), ene.models.↩ PlayerModel.getPlaylist(), and ene.models.TrackListModel.has().

Referenced by ene.views.gui.partial.PlayerView.enablePlayerControls(), and ene.views.gui.partial.PlayerView.↩ update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.23.3.6 render()

```
void ene.views.gui.partial.PlayerView.render ( )
```

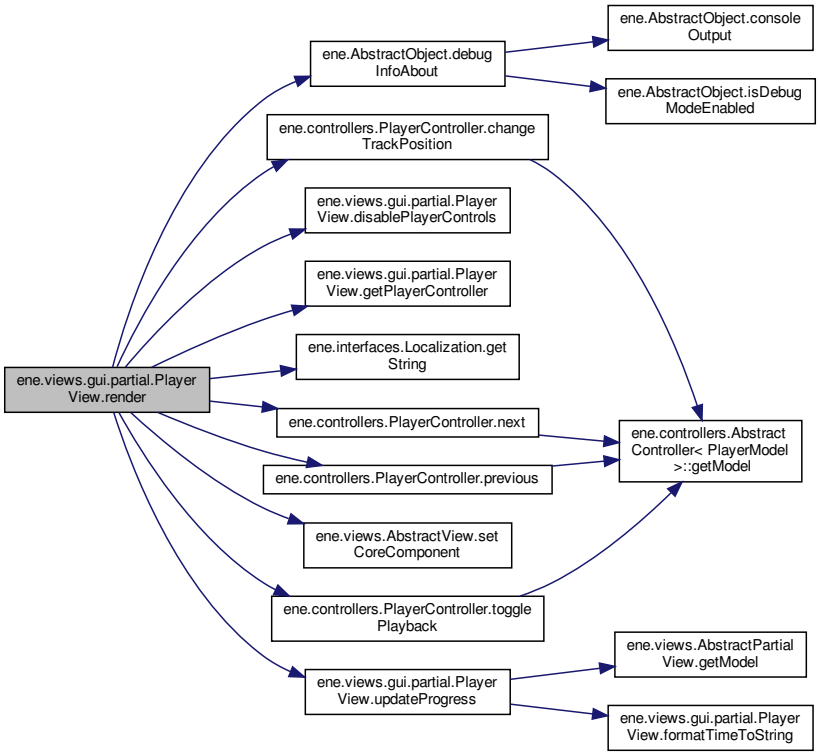
Renders the view.

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 204 of file PlayerView.java.

References ene.controllers.PlayerController.changeTrackPosition(), ene.AbstractObject.debugInfoAbout(), ene.views.gui.partial.PlayerView.disablePlayerControls(), ene.views.gui.partial.PlayerView.getPlayerController(), ene.interfaces.Localization.getString(), ene.controllers.PlayerController.next(), ene.controllers.PlayerController.previous(), ene.views.AbstractView< CoreComponentType >.setCoreComponent(), ene.controllers.PlayerController.togglePlayback(), and ene.views.gui.partial.PlayerView.updateProgress().

Here is the call graph for this function:



7.23.3.7 resetProgress()

```
void ene.views.gui.partial.PlayerView.resetProgress ( )  [protected]
```

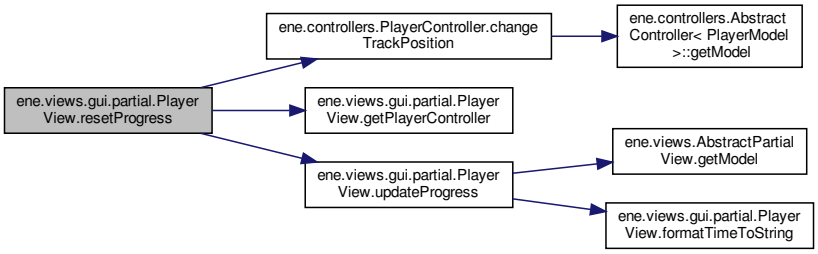
Resets the track progress.

Definition at line 138 of file PlayerView.java.

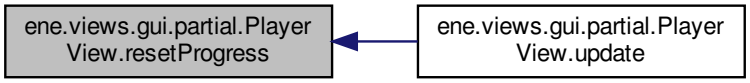
References ene.controllers.PlayerController.changeTrackPosition(), ene.views.gui.partial.PlayerView.getPlayer↩Controller(), and ene.views.gui.partial.PlayerView.updateProgress().

Referenced by ene.views.gui.partial.PlayerView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



7.23.3.8 setPlayerController()

```
void ene.views.gui.partial.PlayerView.setPlayerController (
            Controller<?> playerController )  [protected]
```

Sets the player controller instance.

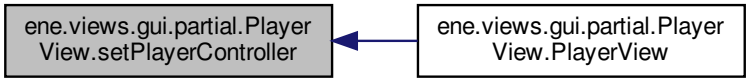
Parameters

playerController	Player controller instance.

Definition at line 71 of file PlayerView.java.

Referenced by ene.views.gui.partial.PlayerView.PlayerView().

Here is the caller graph for this function:



7.23.3.9 update()

```
void ene.views.gui.partial.PlayerView.update ( )
```

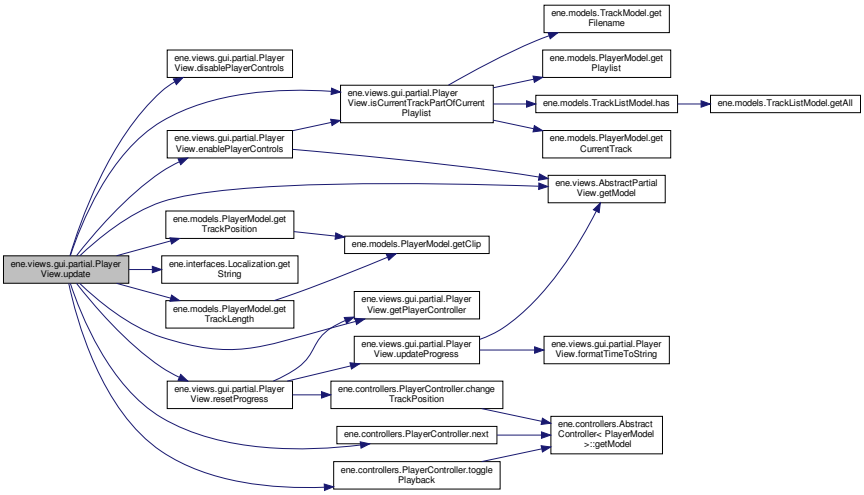
Request update.

Implements ene.interfaces.PartialView< CoreComponentType, ModelType >.

Definition at line 153 of file PlayerView.java.

References ene.views.gui.partial.PlayerView.disablePlayerControls(), ene.views.gui.partial.PlayerView.enable↩ PlayerControls(), ene.views.AbstractPartialView< CoreComponentType, ModelType >.getModel(), ene.views.↩ gui.partial.PlayerView.getPlayerController(), ene.interfaces.Localization.getString(), ene.models.PlayerModel.get↩ TrackLength(), ene.models.PlayerModel.getTrackPosition(), ene.views.gui.partial.PlayerView.isCurrentTrackPart↩ OfCurrentPlaylist(), ene.controllers.PlayerController.next(), ene.views.gui.partial.PlayerView.resetProgress(), and ene.controllers.PlayerController.togglePlayback().

Here is the call graph for this function:



7.23.3.10 updateProgress()

```
void ene.views.gui.partial.PlayerView.updateProgress ( )  [protected]
```

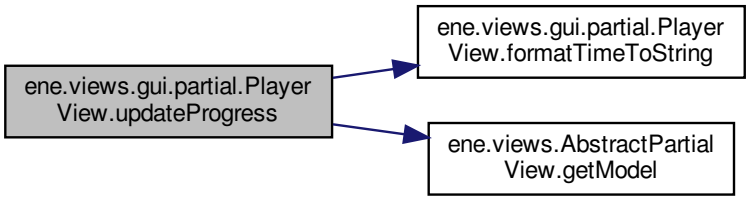
Updates the progress slider and label.

Definition at line 123 of file PlayerView.java.

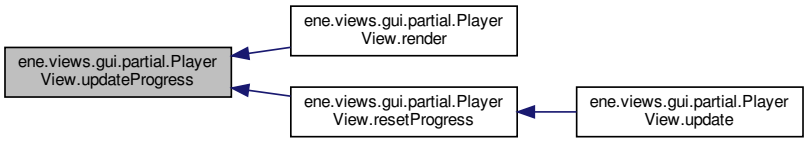
References ene.views.gui.partial.PlayerView.formatTimeToString(), and ene.views.AbstractPartialView< Core↩ ComponentType, ModelType >.getModel().

Referenced by ene.views.gui.partial.PlayerView.render(), and ene.views.gui.partial.PlayerView.resetProgress().

Here is the call graph for this function:



Here is the caller graph for this function:



7.23.4 Member Data Documentation

7.23.4.1 nextButton

```
JButton ene.views.gui.partial.PlayerView.nextButton  [protected]
```

Next button.

Definition at line 45 of file PlayerView.java.

7.23.4.2 playButton

```
JButton ene.views.gui.partial.PlayerView.playButton  [protected]
```

Play/Pause button.

Definition at line 40 of file PlayerView.java.

7.23.4.3 playerController

```
PlayerController ene.views.gui.partial.PlayerView.playerController  [protected]
```

Player controller instance.

Definition at line 30 of file PlayerView.java.

Referenced by ene.views.gui.partial.PlayerView.getPlayerController().

7.23.4.4 previousButton

```
JButton ene.views.gui.partial.PlayerView.previousButton  [protected]
```

Previous button.

Definition at line 35 of file PlayerView.java.

7.23.4.5 progressLabel

```
JLabel ene.views.gui.partial.PlayerView.progressLabel  [protected]
```

Progress label.

Definition at line 55 of file PlayerView.java.

7.23.4.6 progressSlider

```
JSlider ene.views.gui.partial.PlayerView.progressSlider  [protected]
```

Progress slider.

Definition at line 50 of file PlayerView.java.

7.23.4.7 progressTimer

```
Timer ene.views.gui.partial.PlayerView.progressTimer  [package]
```

Progress refresh timer.

Definition at line 60 of file PlayerView.java.

7.23.4.8 trackTimeFormat

```
SimpleDateFormat ene.views.gui.partial.PlayerView.trackTimeFormat  [package]
```

Track time format instance.

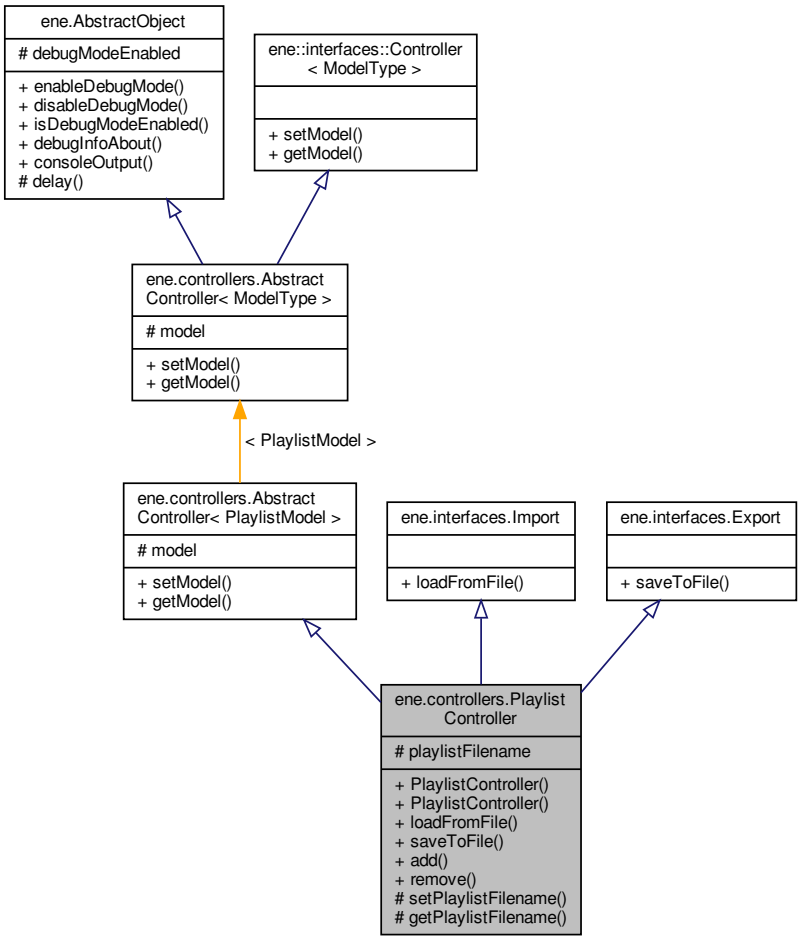
Definition at line 65 of file PlayerView.java.

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

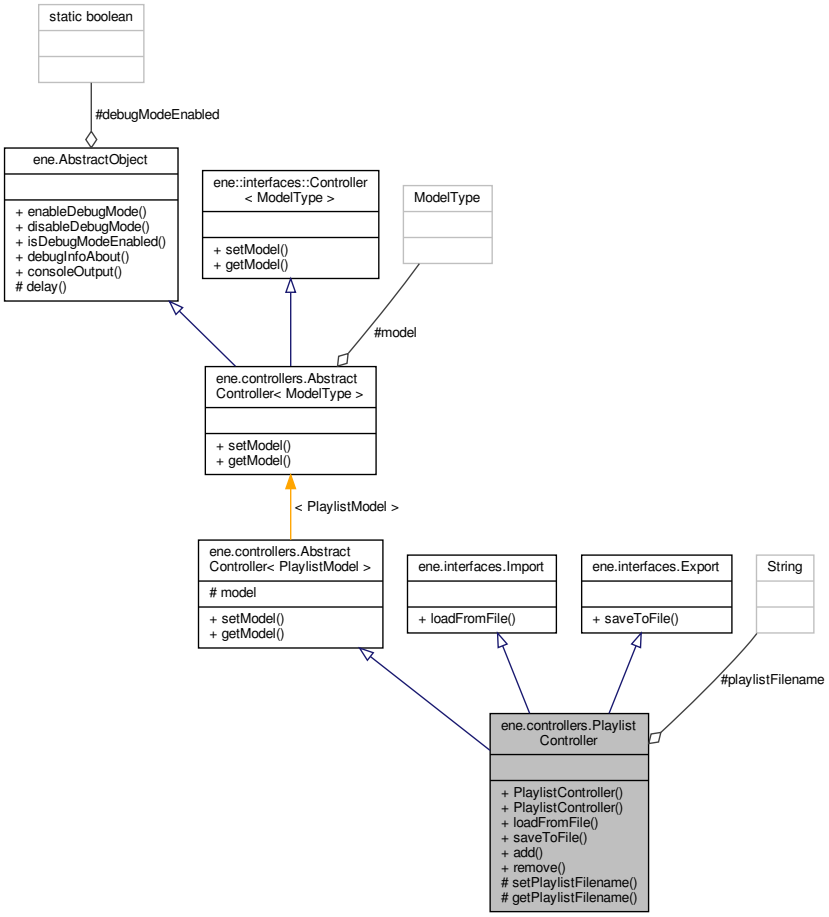
- src/ene/views/gui/partial/PlayerView.java

7.24 ene.controllers.PlaylistController Class Reference

Inheritance diagram for ene.controllers.PlaylistController:



Collaboration diagram for ene.controllers.PlaylistController:



Public Member Functions

- PlaylistController (Model model)
- PlaylistController (Model model, String playlistFilename)
- boolean loadFromFile (String filename)
- boolean saveToFile (String filename)
- boolean add (TrackModel track)
- boolean remove (String filename)

Protected Member Functions

- void setPlaylistFilename (String filename)
- String getPlaylistFilename ()

Protected Attributes

- String playlistFilename

7.24.1 Detailed Description

Playlist controller.

Since

1.0.0

Version

1.0.0

Definition at line 21 of file PlaylistController.java.

7.24.2 Constructor & Destructor Documentation

7.24.2.1 PlaylistController() [1/2]

```
ene.controllers.PlaylistController.PlaylistController (
            Model model )
```

Contructor.

Parameters

model	Playlist model instance.

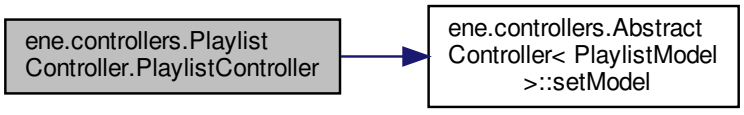
Version

1.0.0

Definition at line 48 of file PlaylistController.java.

References ene.controllers.AbstractController< PlaylistModel >.setModel().

Here is the call graph for this function:



7.24.2.2 PlaylistController() [2/2]

```
ene.controllers.PlaylistController.PlaylistController (
            Model model,
            String playlistFilename )
```

Contructor.

Parameters

model	Playlist model instance.
playlistFilename	Playlist file path.

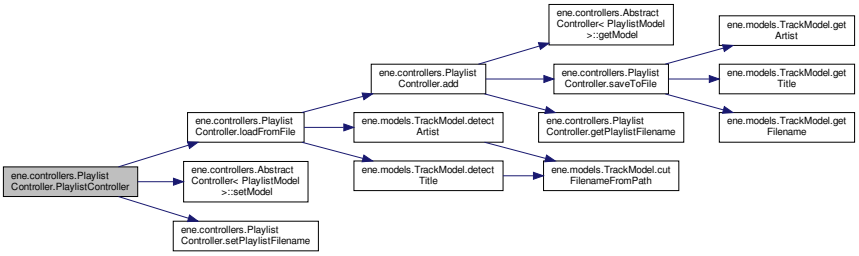
Version

1.0.0

Definition at line 58 of file PlaylistController.java.

References ene.controllers.PlaylistController.loadFromFile(), ene.controllers.AbstractController< PlaylistModel >.setModel(), and ene.controllers.PlaylistController.setPlaylistFilename().

Here is the call graph for this function:



7.24.3 Member Function Documentation

7.24.3.1 add()

```
boolean ene.controllers.PlaylistController.add (
            TrackModel track )
```

Adds a track to the playlist.

Parameters

track	Track model instance.

Returns

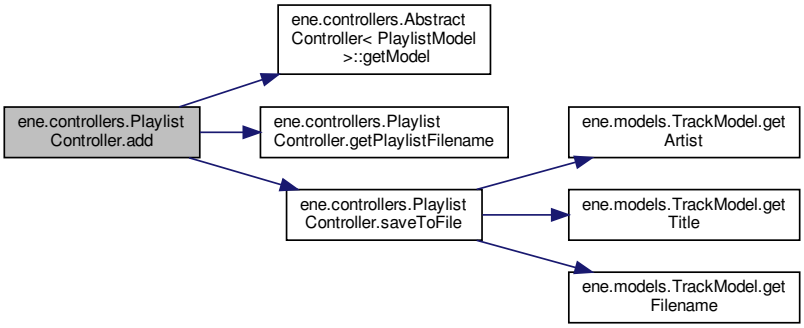
Returns TRUE, if successful. Otherwise FALSE.

Definition at line 123 of file PlaylistController.java.

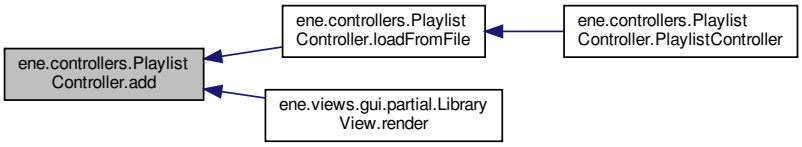
References ene.controllers.AbstractController< PlaylistModel >.getModel(), ene.controllers.PlaylistController.getPlaylistFilename(), and ene.controllers.PlaylistController.saveToFile().

Referenced by ene.controllers.PlaylistController.loadFromFile(), and ene.views.gui.partial.LibraryView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.24.3.2 getPlaylistFilename()

```
String ene.controllers.PlaylistController.getPlaylistFilename ( )  [protected]
```

Returns the playlist file path.

Returns

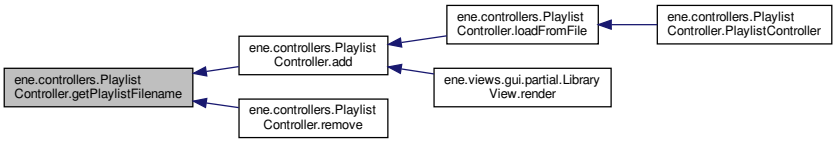
Playlist file path.

Definition at line 39 of file PlaylistController.java.

References ene.controllers.PlaylistController.playlistFilename.

Referenced by ene.controllers.PlaylistController.add(), and ene.controllers.PlaylistController.remove().

Here is the caller graph for this function:



7.24.3.3 loadFromFile()

```
boolean ene.controllers.PlaylistController.loadFromFile (
            String filename )
```

Loads data from a file.

Parameters

filename	File path.

Returns

Returns TRUE if successful. Otherwise FALSE.

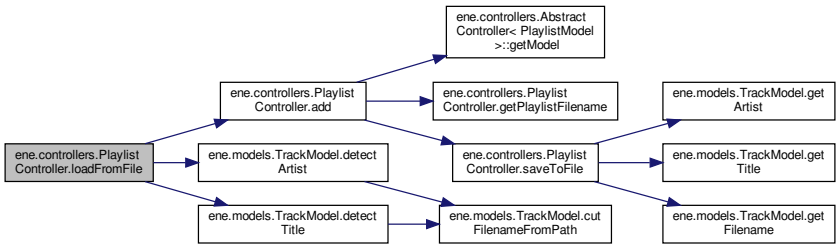
Implements ene.interfaces.Import.

Definition at line 65 of file PlaylistController.java.

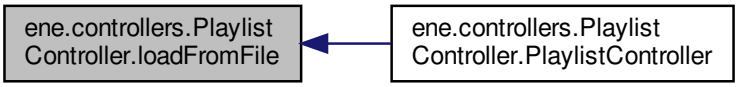
References ene.controllers.PlaylistController.add(), ene.models.TrackModel.detectArtist(), and ene.models.Track↩Model.detectTitle().

Referenced by ene.controllers.PlaylistController.PlaylistController().

Here is the call graph for this function:



Here is the caller graph for this function:



7.24.3.4 remove()

```
boolean ene.controllers.PlaylistController.remove (
            String filename )
```

Removes a track from the playlist.

Parameters

filename	File path.

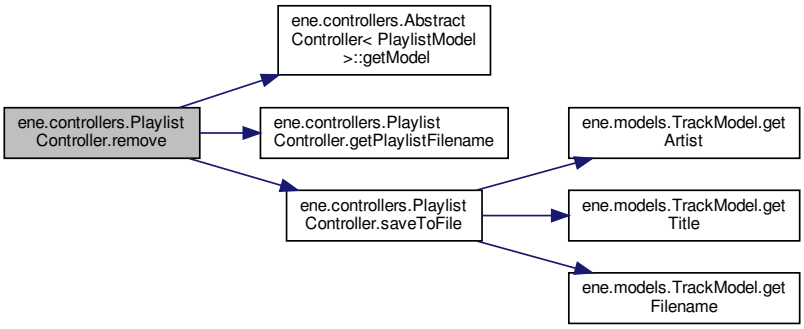
Returns

Returns TRUE, if successful. Otherwise FALSE.

Definition at line 133 of file PlaylistController.java.

References ene.controllers.AbstractController< PlaylistModel >.getModel(), ene.controllers.PlaylistController.get↩ PlaylistFilename(), and ene.controllers.PlaylistController.saveToFile().

Here is the call graph for this function:



7.24.3.5 saveToFile()

```
boolean ene.controllers.PlaylistController.saveToFile (
            String filename )
```

Saves data to a file.

Parameters

filename	File path.

Returns

Returns TRUE if successful. Otherwise FALSE.

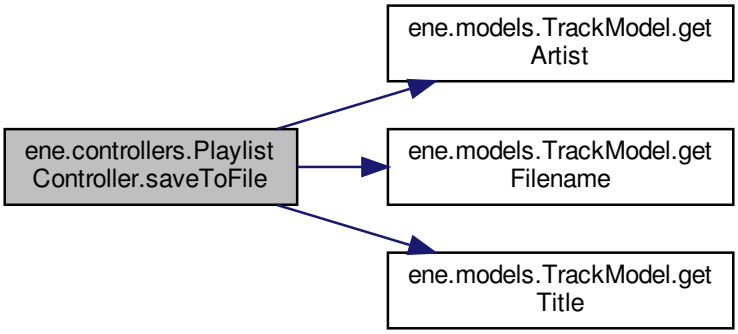
Implements ene.interfaces.Export.

Definition at line 100 of file PlaylistController.java.

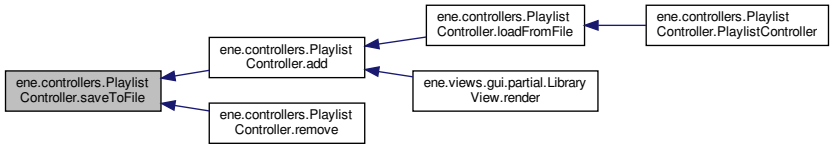
References ene.models.TrackModel.getArtist(), ene.models.TrackModel.getFilename(), and ene.models.Track↩ Model.getTitle().

Referenced by ene.controllers.PlaylistController.add(), and ene.controllers.PlaylistController.remove().

Here is the call graph for this function:



Here is the caller graph for this function:



7.24.3.6 setPlaylistFilename()

```
void ene.controllers.PlaylistController.setPlaylistFilename (
            String filename )  [protected]
```

Sets the playlist file path.

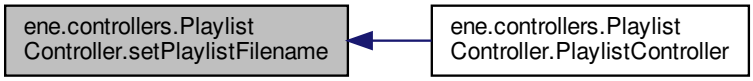
Parameters

filename	Playlist file path.

Definition at line 31 of file PlaylistController.java.

Referenced by ene.controllers.PlaylistController.PlaylistController().

Here is the caller graph for this function:



7.24.4 Member Data Documentation

7.24.4.1 playlistFilename

```
String ene.controllers.PlaylistController.playlistFilename  [protected]
```

Playlist file path.

Definition at line 25 of file PlaylistController.java.

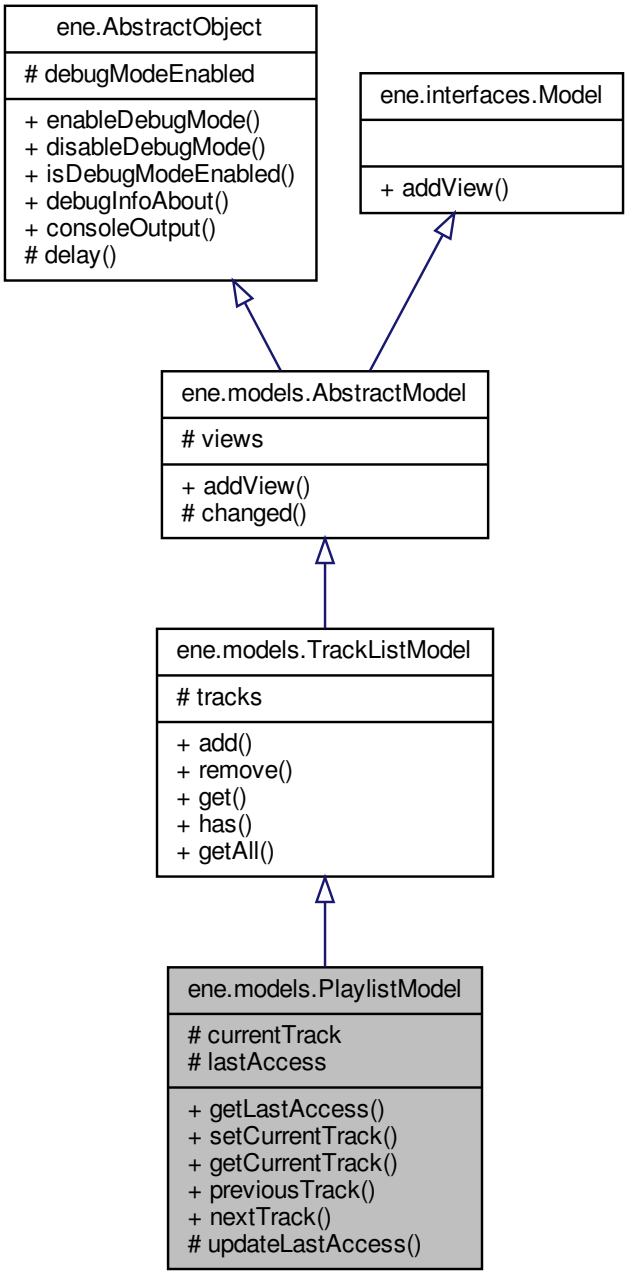
Referenced by ene.controllers.PlaylistController.getPlaylistFilename().

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

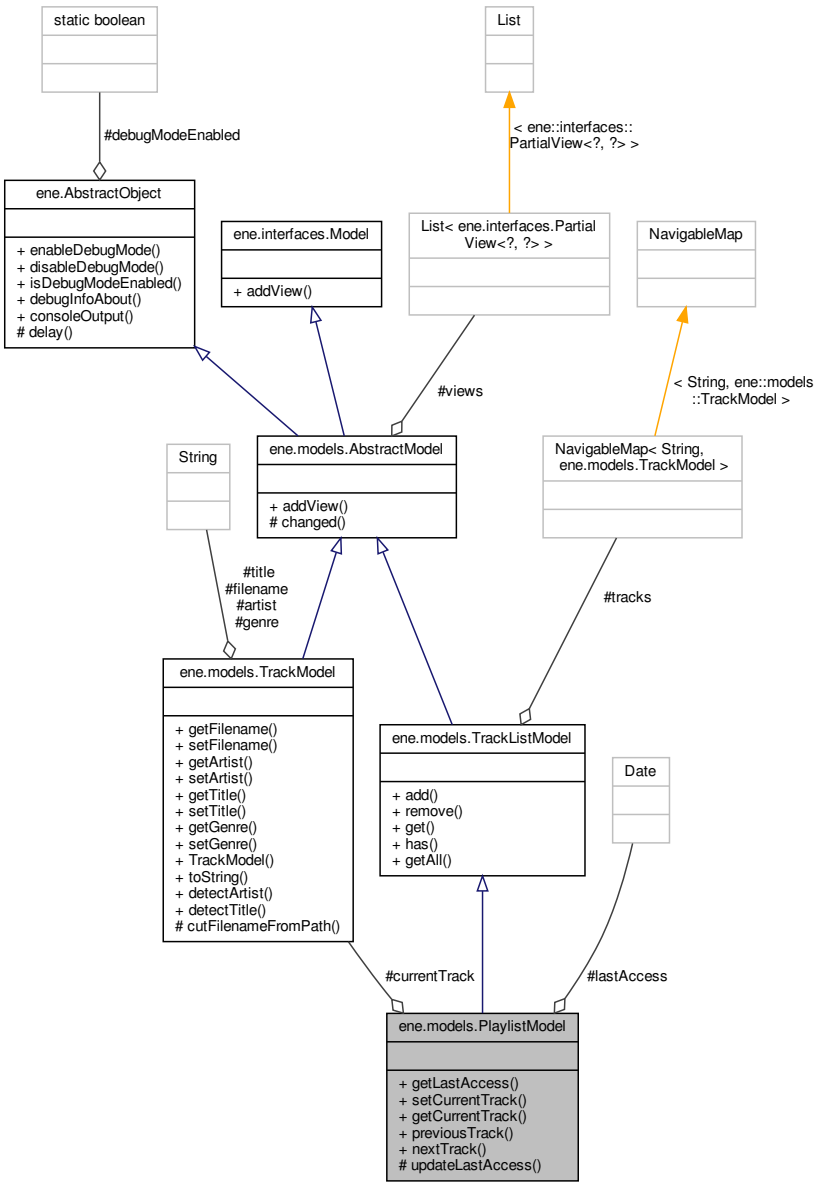
- src/ene/controllers/PlaylistController.java

7.25 ene.models.PlaylistModel Class Reference

Inheritance diagram for ene.models.PlaylistModel:



Collaboration diagram for ene.models.PlaylistModel:



Public Member Functions

- Date getLastAccess ()
- void setCurrentTrack (String filename)
- TrackModel getCurrentTrack ()
- void previousTrack ()
- void nextTrack ()

Protected Member Functions

- void updateLastAccess ()

Protected Attributes

- TrackModel currentTrack = null
- Date lastAccess

Additional Inherited Members

7.25.1 Detailed Description

Playlist model.

Since

0.14.0

Version

2.1.0

Definition at line 11 of file PlaylistModel.java.

7.25.2 Member Function Documentation

7.25.2.1 getCurrentTrack()

```
TrackModel ene.models.PlaylistModel.getCurrentTrack ( )
```

Returns the current track.

Returns

The current track model instance.

Version

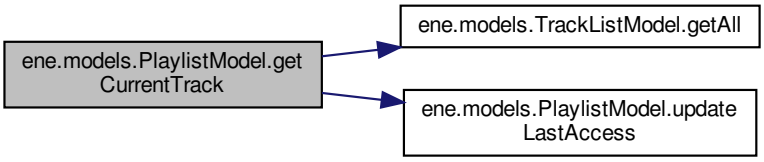
1.1.0

Definition at line 57 of file PlaylistModel.java.

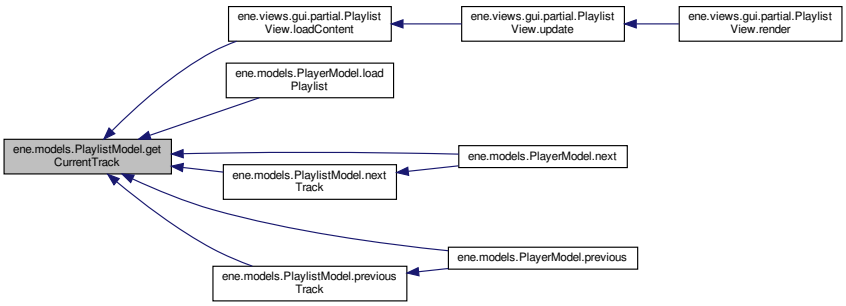
References ene.models.PlaylistModel.currentTrack, ene.models.TrackListModel.getAll(), and ene.models.Playlist↩ Model.updateLastAccess().

Referenced by ene.views.gui.partial.PlaylistView.loadContent(), ene.models.PlayerModel.loadPlaylist(), ene.↩ models.PlayerModel.next(), ene.models.PlaylistModel.nextTrack(), ene.models.PlayerModel.previous(), and ene.↩ models.PlaylistModel.previousTrack().

Here is the call graph for this function:



Here is the caller graph for this function:



7.25.2.2 getLastAccess()

```
Date ene.models.PlaylistModel.getLastAccess ( )
```

Returns the date and time of the last access.

Returns

Date and time of the last access.

Version

1.0.0

Since

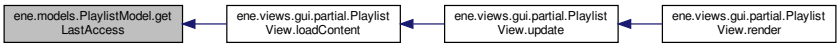
1.0.4

Definition at line 37 of file PlaylistModel.java.

References ene.models.PlaylistModel.lastAccess.

Referenced by ene.views.gui.partial.PlaylistView.loadContent().

Here is the caller graph for this function:



7.25.2.3 nextTrack()

```
void ene.models.PlaylistModel.nextTrack ( )
```

Jumps to the next track.

Version

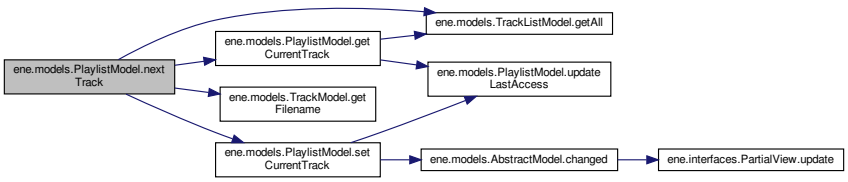
1.0.1

Definition at line 85 of file PlaylistModel.java.

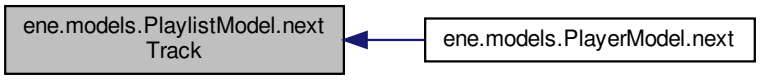
References ene.models.TrackListModel.getAll(), ene.models.PlaylistModel.getCurrentTrack(), ene.models.Track↩ Model.getFilename(), and ene.models.PlaylistModel.setCurrentTrack().

Referenced by ene.models.PlayerModel.next().

Here is the call graph for this function:



Here is the caller graph for this function:



7.25.2.4 previousTrack()

```
void ene.models.PlaylistModel.previousTrack ( )
```

Jumps to the previous track.

Version

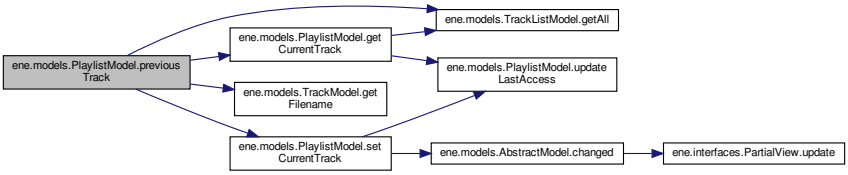
1.0.1

Definition at line 70 of file PlaylistModel.java.

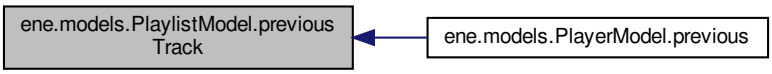
References ene.models.TrackListModel.getAll(), ene.models.PlaylistModel.getCurrentTrack(), ene.models.Track↩ Model.getFilename(), and ene.models.PlaylistModel.setCurrentTrack().

Referenced by ene.models.PlayerModel.previous().

Here is the call graph for this function:



Here is the caller graph for this function:



7.25.2.5 setCurrentTrack()

```
void ene.models.PlaylistModel.setCurrentTrack (
            String filename )
```

Sets the current track.

Parameters

filename	File path.

Version

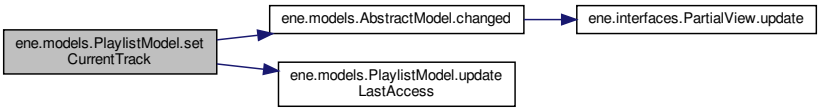
1.1.0

Definition at line 46 of file PlaylistModel.java.

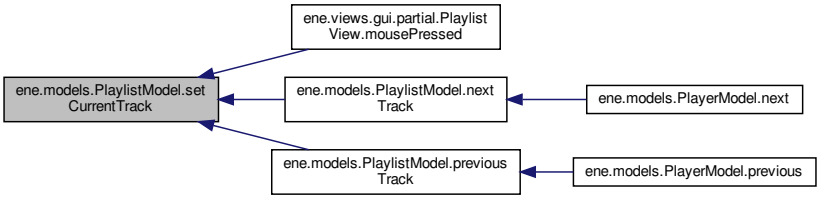
References ene.models.AbstractModel.changed(), and ene.models.PlaylistModel.updateLastAccess().

Referenced by ene.views.gui.partial.PlaylistView.mousePressed(), ene.models.PlaylistModel.nextTrack(), and ene.models.PlaylistModel.previousTrack().

Here is the call graph for this function:



Here is the caller graph for this function:



7.25.2.6 updateLastAccess()

```
void ene.models.PlaylistModel.updateLastAccess ( )  [protected]
```

Update date and time of the last access.

Version

1.0.0

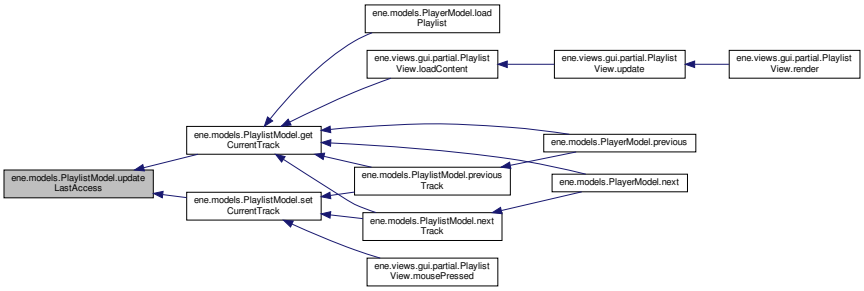
Since

1.0.4

Definition at line 27 of file PlaylistModel.java.

Referenced by ene.models.PlaylistModel.getCurrentTrack(), and ene.models.PlaylistModel.setCurrentTrack().

Here is the caller graph for this function:



7.25.3 Member Data Documentation

7.25.3.1 currentTrack

```
TrackModel ene.models.PlaylistModel.currentTrack = null  [protected]
```

The current track model instance.

Definition at line 15 of file PlaylistModel.java.

Referenced by ene.models.PlaylistModel.getCurrentTrack().

7.25.3.2 lastAccess

```
Date ene.models.PlaylistModel.lastAccess  [protected]
```

Date and time of the last access.

Definition at line 20 of file PlaylistModel.java.

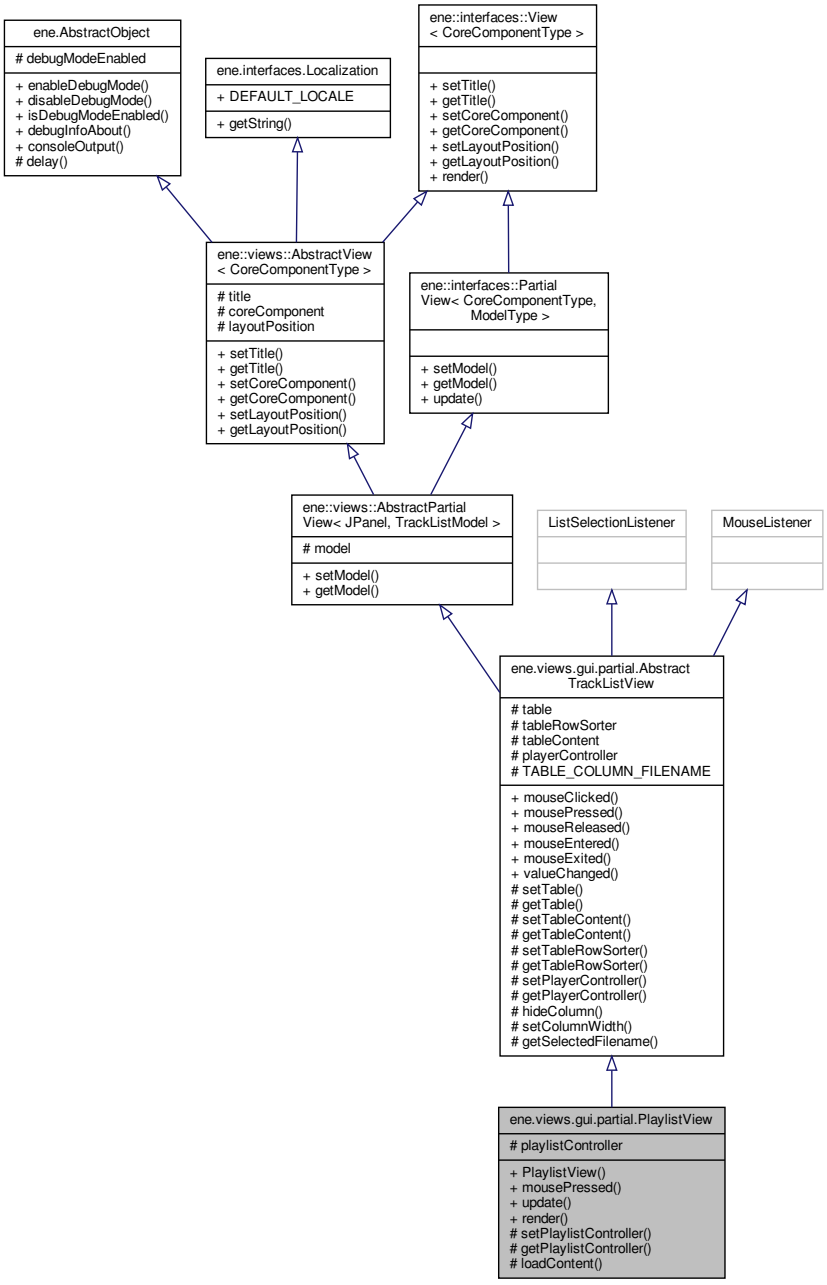
Referenced by ene.models.PlaylistModel.getLastAccess().

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

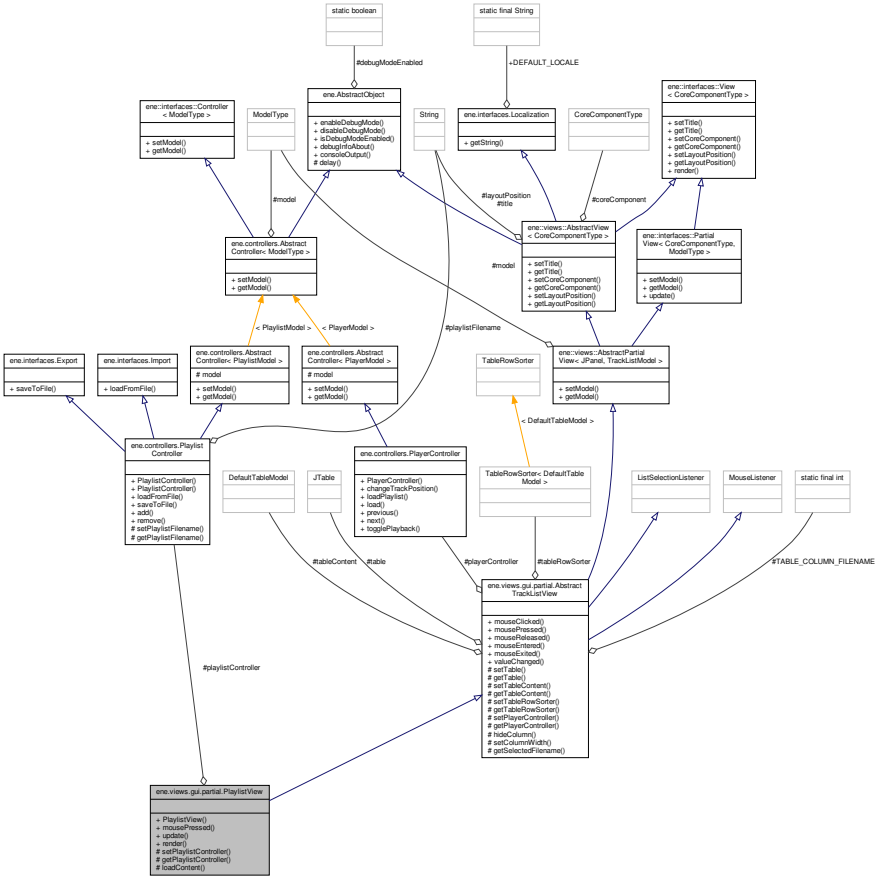
- src/ene/models/PlaylistModel.java

7.26 ene.views.gui.partial.PlaylistView Class Reference

Inheritance diagram for ene.views.gui.partial.PlaylistView:



Collaboration diagram for ene.views.gui.partial.PlaylistView:



Public Member Functions

- PlaylistView (Model model, Controller<?> playlistController, Controller<?> playerController)
- void mousePressed (MouseEvent event)
- void update ()
- void render ()

Protected Member Functions

- void setPlaylistController (Controller<?> playlistController)
- PlaylistController getPlaylistController ()
- void loadContent (Map< String, TrackModel > tracks)

Protected Attributes

- PlaylistController playlistController

Additional Inherited Members

7.26.1 Detailed Description

Playlist view.

Version

1.0.1

Since

1.0.0

Definition at line 32 of file PlaylistView.java.

7.26.2 Constructor & Destructor Documentation

7.26.2.1 PlaylistView()

```
ene.views.gui.partial.PlaylistView.PlaylistView (
            Model model,
            Controller<?> playlistController,
            Controller<?> playerController )
```

Constructor.

Parameters

model	Playlist model instance.
playlistController	Playlist controller instance.
playerController	Player controller instance.

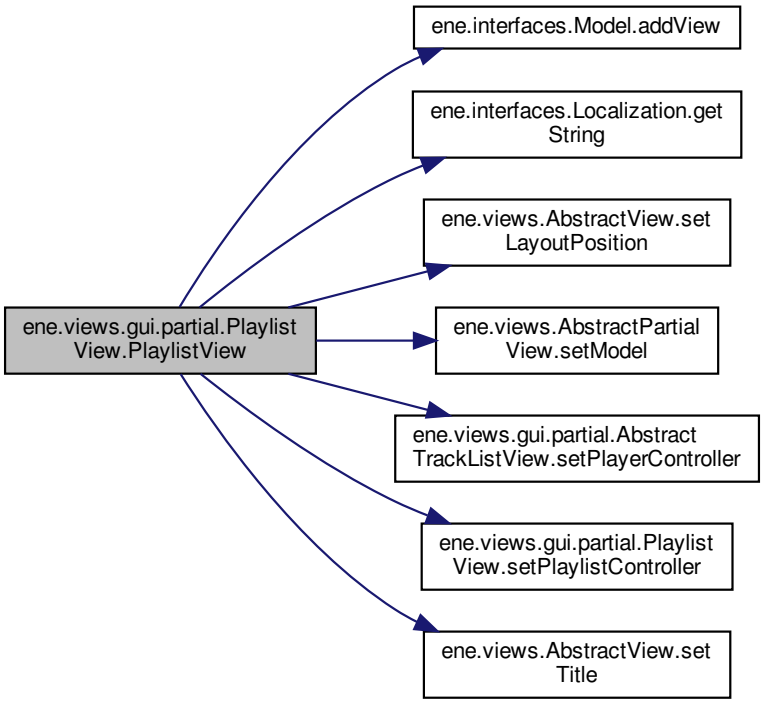
Version

1.1.0

Definition at line 61 of file PlaylistView.java.

References ene.interfaces.Model.addView(), ene.interfaces.Localization.getString(), ene.views.AbstractView< CoreComponentType >.setLayoutPosition(), ene.views.AbstractPartialView< CoreComponentType, ModelType >.setModel(), ene.views.gui.partial.AbstractTrackListView.setPlayerController(), ene.views.gui.partial.PlaylistView.setPlaylistController(), and ene.views.AbstractView< CoreComponentType >.setTitle().

Here is the call graph for this function:



7.26.3 Member Function Documentation

7.26.3.1 getPlaylistController()

```
PlaylistController ene.views.gui.partial.PlaylistView.getPlaylistController ( )  [protected]
```

Returns the playlist controller instance.

Returns

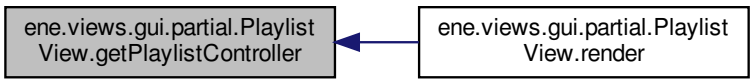
Playlist controller instance.

Definition at line 50 of file PlaylistView.java.

References ene.views.gui.partial.PlaylistView.playlistController.

Referenced by ene.views.gui.partial.PlaylistView.render().

Here is the caller graph for this function:



7.26.3.2 loadContent()

```
void ene.views.gui.partial.PlaylistView.loadContent (
            Map< String, TrackModel > tracks )  [protected]
```

Loads the table content from the model.

Parameters

tracks	Map of Tracks.

Version

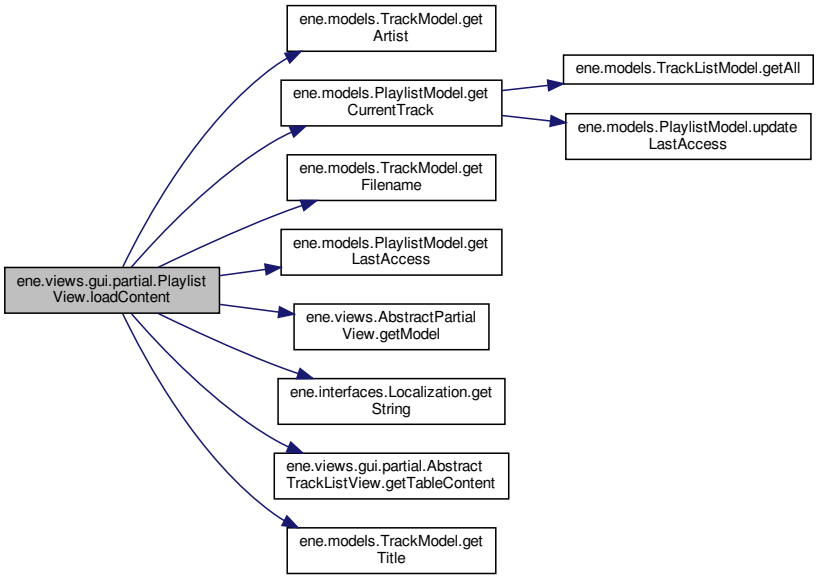
1.0.1

Definition at line 75 of file PlaylistView.java.

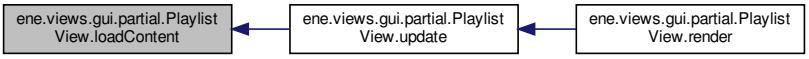
References ene.models.TrackModel.getArtist(), ene.models.PlaylistModel.getCurrentTrack(), ene.models.↩ TrackModel.getFilename(), ene.models.PlaylistModel.getLastAccess(), ene.views.AbstractPartialView< Core↩ ComponentType, ModelType >.getModel(), ene.interfaces.Localization.getString(), ene.views.gui.partial.Abstract↩ TrackListView.getTableContent(), ene.models.TrackModel.getTitle(), and ene.views.gui.partial.AbstractTrackList↩ View.tableContent.

Referenced by ene.views.gui.partial.PlaylistView.update().

Here is the call graph for this function:



Here is the caller graph for this function:



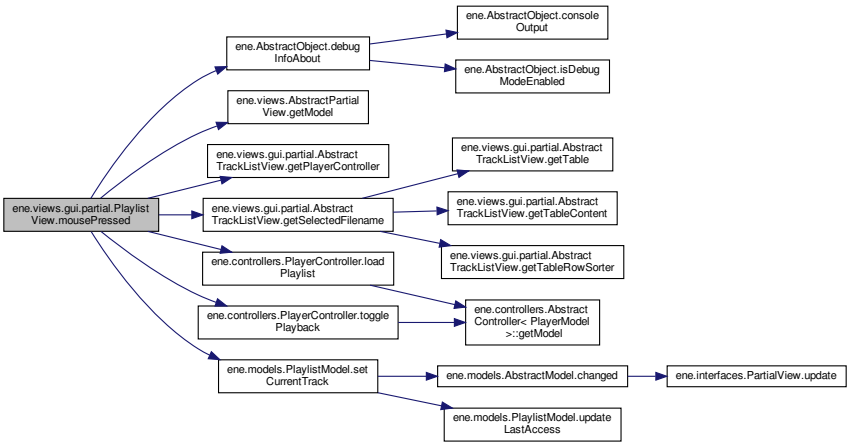
7.26.3.3 mousePressed()

```
void ene.views.gui.partial.PlaylistView.mousePressed (
            MouseEvent event )
```

Definition at line 93 of file PlaylistView.java.

References ene.AbstractObject.debugInfoAbout(), ene.views.AbstractPartialView< CoreComponentType, Model↩ Type >.getModel(), ene.views.gui.partial.AbstractTrackListView.getPlayerController(), ene.views.gui.partial.↩ AbstractTrackListView.getSelectedFilename(), ene.controllers.PlayerController.loadPlaylist(), ene.views.gui.↩ partial.AbstractTrackListView.playerController, ene.models.PlaylistModel.setCurrentTrack(), and ene.controllers.↩ PlayerController.togglePlayback().

Here is the call graph for this function:



7.26.3.4 render()

```
void ene.views.gui.partial.PlaylistView.render ( )
```

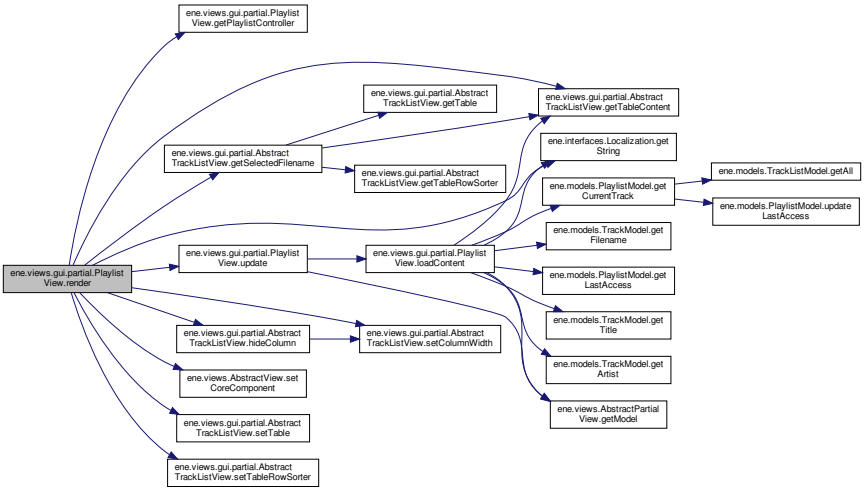
Renders the view.

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 110 of file PlaylistView.java.

References ene.views.gui.partial.PlaylistView.getPlaylistController(), ene.views.gui.partial.AbstractTrackListView.↩ getSelectedFilename(), ene.interfaces.Localization.getString(), ene.views.gui.partial.AbstractTrackListView.get↩ TableContent(), ene.views.gui.partial.AbstractTrackListView.hideColumn(), ene.views.gui.partial.AbstractTrack↩ ListView.setColumnWidth(), ene.views.AbstractView< CoreComponentType >.setCoreComponent(), ene.views.↩ gui.partial.AbstractTrackListView.setTable(), ene.views.gui.partial.AbstractTrackListView.setTableRowSorter(), ene.views.gui.partial.AbstractTrackListView.table, ene.views.gui.partial.AbstractTrackListView.TABLE_COLUM↩ N_FILENAME, ene.views.gui.partial.AbstractTrackListView.tableContent, ene.views.gui.partial.AbstractTrackList↩ View.tableRowSorter, and ene.views.gui.partial.PlaylistView.update().

Here is the call graph for this function:



7.26.3.5 setPlaylistController()

```
void ene.views.gui.partial.PlaylistView.setPlaylistController (
            Controller<?> playlistController )  [protected]
```

Sets the playlist controller instance.

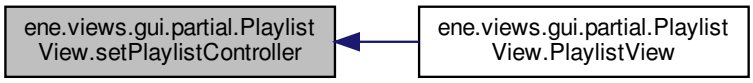
Parameters

playlistController	Playlist controller instance.

Definition at line 42 of file PlaylistView.java.

Referenced by ene.views.gui.partial.PlaylistView.PlaylistView().

Here is the caller graph for this function:



7.26.3.6 update()

```
void ene.views.gui.partial.PlaylistView.update ( )
```

Request update.

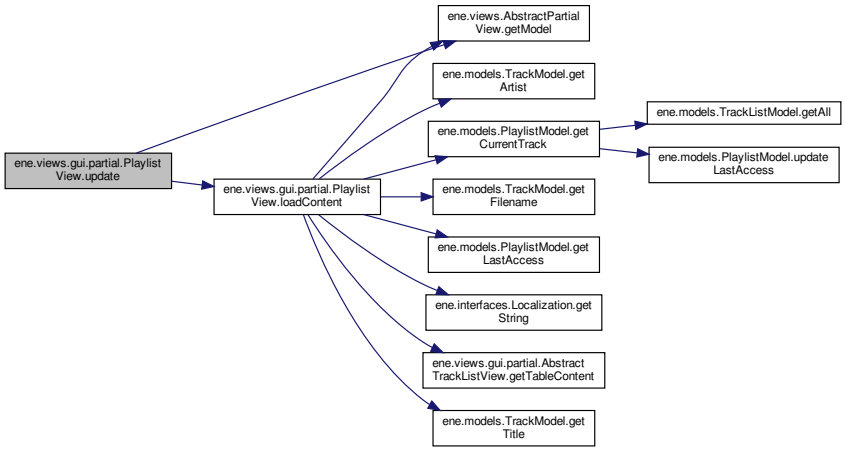
Implements ene.interfaces.PartialView< CoreComponentType, ModelType >.

Definition at line 105 of file PlaylistView.java.

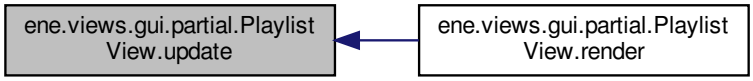
References ene.views.AbstractPartialView< CoreComponentType, ModelType >.getModel(), and ene.views.gui.↩ partial.PlaylistView.loadContent().

Referenced by ene.views.gui.partial.PlaylistView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



7.26.4 Member Data Documentation

7.26.4.1 playlistController

```
PlaylistController ene.views.gui.partial.PlaylistView.playlistController  [protected]
```

Playlist controller instance.

Definition at line 36 of file PlaylistView.java.

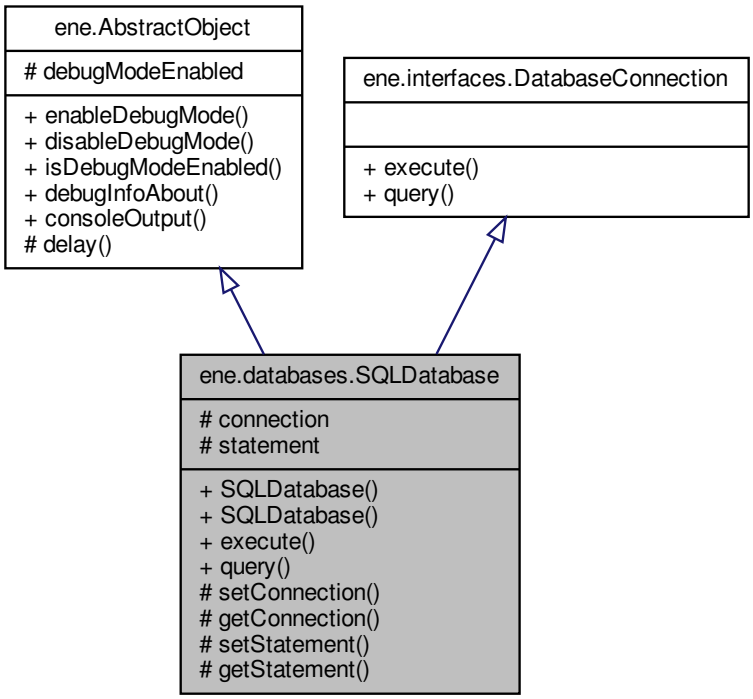
Referenced by ene.views.gui.partial.PlaylistView.getPlaylistController().

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

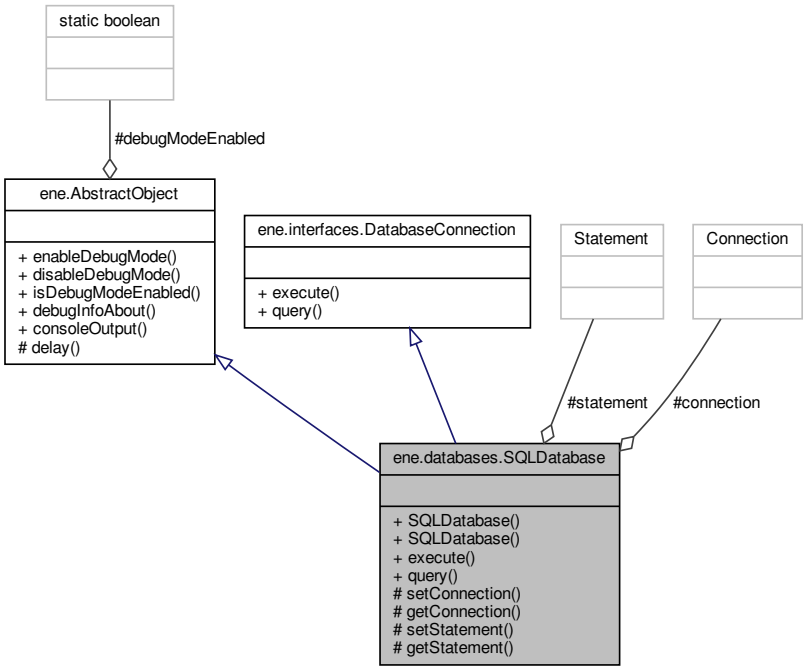
- src/ene/views/gui/partial/PlaylistView.java

7.27 ene.databases.SQLDatabase Class Reference

Inheritance diagram for ene.databases.SQLDatabase:



Collaboration diagram for ene.databases.SQLDatabase:



Public Member Functions

- SQLDatabase (String url, int statementTimeout) throws Exception
- SQLDatabase (String url, int statementTimeout, Properties properties) throws Exception
- int execute (String statement) throws Exception
- List< Map< String, String > > query (String statement) throws Exception

Protected Member Functions

- void setConnection (Connection connection)
- Connection getConnection ()
- void setStatement (Statement statement)
- Statement getStatement ()

Protected Attributes

- Connection connection = null
- Statement statement = null

Additional Inherited Members

7.27.1 Detailed Description

JDBC SQL database.

Version

1.1.0

Definition at line 20 of file SQLDatabase.java.

7.27.2 Constructor & Destructor Documentation

7.27.2.1 SQLDatabase() [1/2]

```
ene.databases.SQLDatabase.SQLDatabase (
            String url,
            int statementTimeout ) throws Exception
```

Constructor.

Parameters

url	A database url of the form jdbc:subprotocol:subname.
statementTimeout	Statement timeout in seconds.

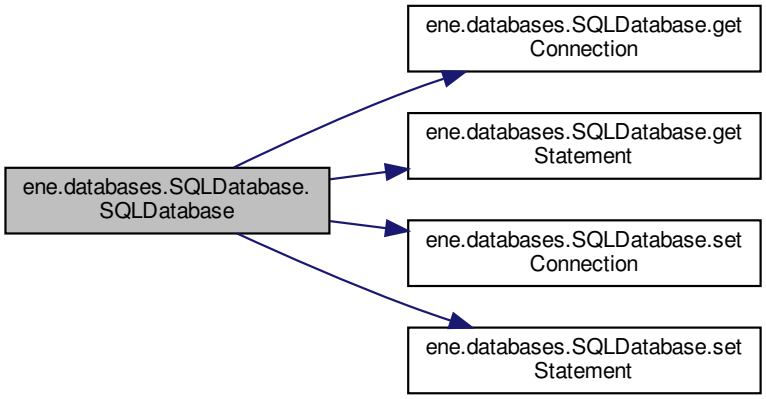
Version

1.0.0

Definition at line 69 of file SQLDatabase.java.

References ene.databases.SQLDatabase.getConnection(), ene.databases.SQLDatabase.getStatement(), ene.databases.SQLDatabase.setConnection(), and ene.databases.SQLDatabase.setStatement().

Here is the call graph for this function:



7.27.2.2 SQLDatabase() [2/2]

```
ene.databases.SQLDatabase.SQLDatabase (
            String url,
            int statementTimeout,
            Properties properties ) throws Exception
```

Constructor.

Parameters

url	A database url of the form jdbc:subprotocol:subname.
statementTimeout	Statement timeout in seconds.
properties	Properties instance.

Since

0.16.0

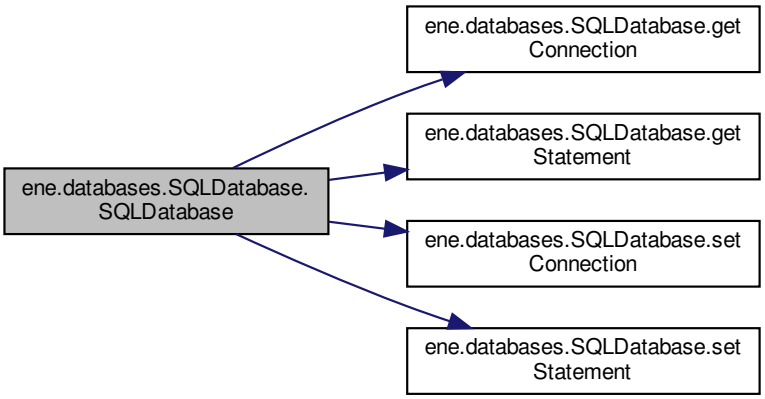
Version

1.0.0

Definition at line 83 of file SQLDatabase.java.

References ene.databases.SQLDatabase.getConnection(), ene.databases.SQLDatabase.getStatement(), ene.databases.SQLDatabase.setConnection(), and ene.databases.SQLDatabase.setStatement().

Here is the call graph for this function:



7.27.3 Member Function Documentation

7.27.3.1 execute()

```
int ene.databases.SQLDatabase.execute (
            String statement ) throws Exception
```

Executes statement.

Parameters

statement	Statement.

Returns

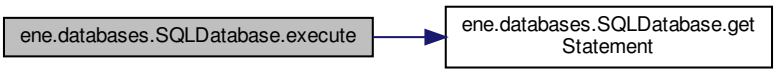
Number of affected rows.

Implements ene.interfaces.DatabaseConnection.

Definition at line 90 of file SQLDatabase.java.

References ene.databases.SQLDatabase.getStatement().

Here is the call graph for this function:



7.27.3.2 getConnection()

```
Connection ene.databases.SQLDatabase.getConnection ( )  [protected]
```

Returns the connection instance.

Returns

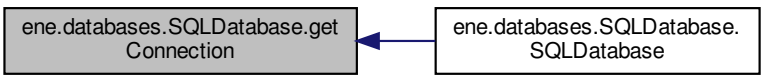
Connection instance.

Definition at line 43 of file SQLDatabase.java.

References ene.databases.SQLDatabase.connection.

Referenced by ene.databases.SQLDatabase.SQLDatabase().

Here is the caller graph for this function:



7.27.3.3 getStatement()

```
Statement ene.databases.SQLDatabase.getStatement ( )  [protected]
```

Returns the statement instance.

Returns

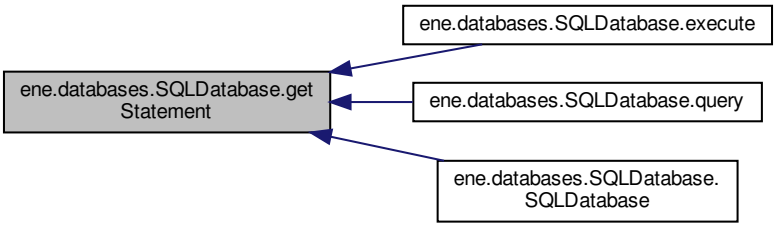
Statement instance.

Definition at line 59 of file SQLDatabase.java.

References ene.databases.SQLDatabase.statement.

Referenced by ene.databases.SQLDatabase.execute(), ene.databases.SQLDatabase.query(), and ene.databases.SQLDatabase.SQLDatabase().

Here is the caller graph for this function:



7.27.3.4 query()

```
List<Map<String,String> > ene.databases.SQLDatabase.query (
            String statement ) throws Exception
```

Query statement.

Parameters

statement	Statement.

Returns

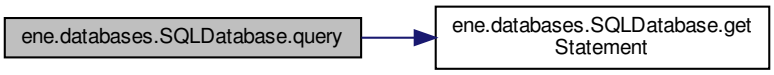
Returns a list of maps of rows.

Implements ene.interfaces.DatabaseConnection.

Definition at line 95 of file SQLDatabase.java.

References ene.databases.SQLDatabase.getStatement().

Here is the call graph for this function:



7.27.3.5 setConnection()

```
void ene.databases.SQLDatabase.setConnection (
            Connection connection )  [protected]
```

Sets the connection instance.

Parameters

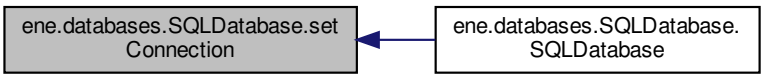
connection	Connection instance.

Definition at line 35 of file SQLDatabase.java.

References ene.databases.SQLDatabase.connection.

Referenced by ene.databases.SQLDatabase.SQLDatabase().

Here is the caller graph for this function:



7.27.3.6 setStatement()

```
void ene.databases.SQLDatabase.setStatement (
            Statement statement )  [protected]
```

Sets the statement instance.

Parameters

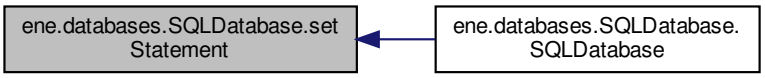
statement	Statement instance.

Definition at line 51 of file SQLDatabase.java.

References ene.databases.SQLDatabase.statement.

Referenced by ene.databases.SQLDatabase.SQLDatabase().

Here is the caller graph for this function:



7.27.4 Member Data Documentation

7.27.4.1 connection

```
Connection ene.databases.SQLDatabase.connection = null  [protected]
```

Connection instance.

Definition at line 24 of file SQLDatabase.java.

Referenced by ene.databases.SQLDatabase.getConnection(), and ene.databases.SQLDatabase.setConnection().

7.27.4.2 statement

```
Statement ene.databases.SQLDatabase.statement = null  [protected]
```

Statement instance.

Definition at line 29 of file SQLDatabase.java.

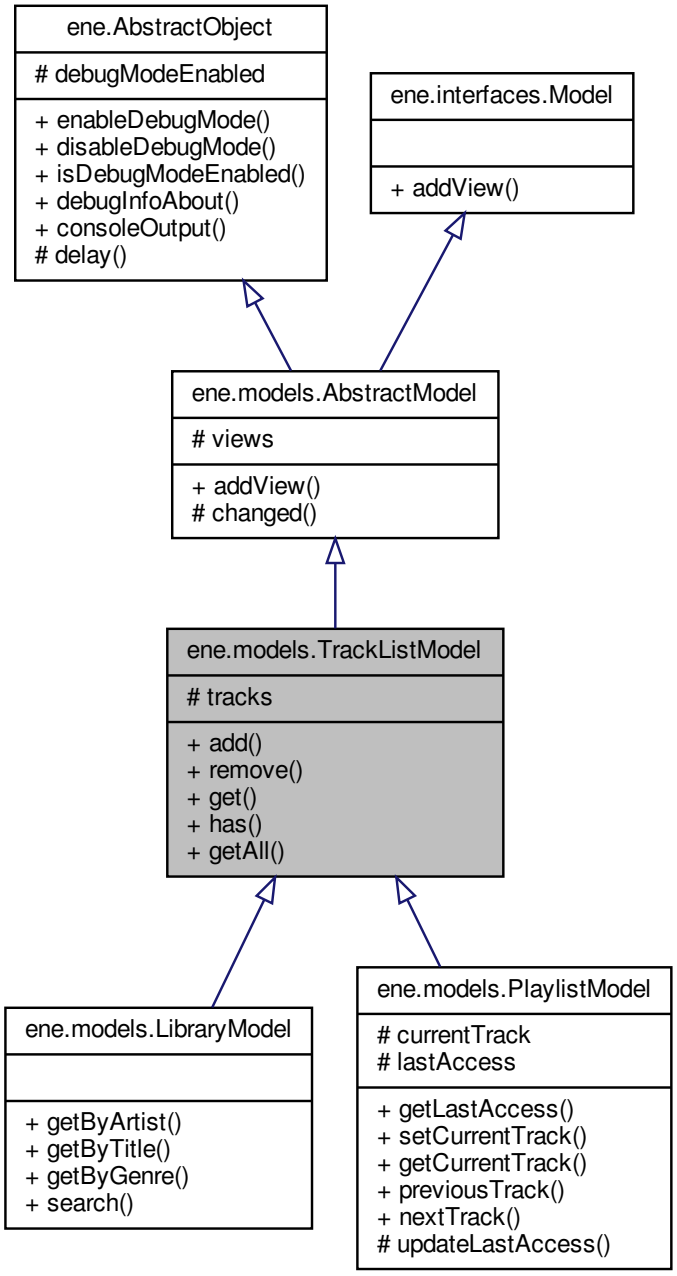
Referenced by ene.databases.SQLDatabase.getStatement(), and ene.databases.SQLDatabase.setStatement().

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

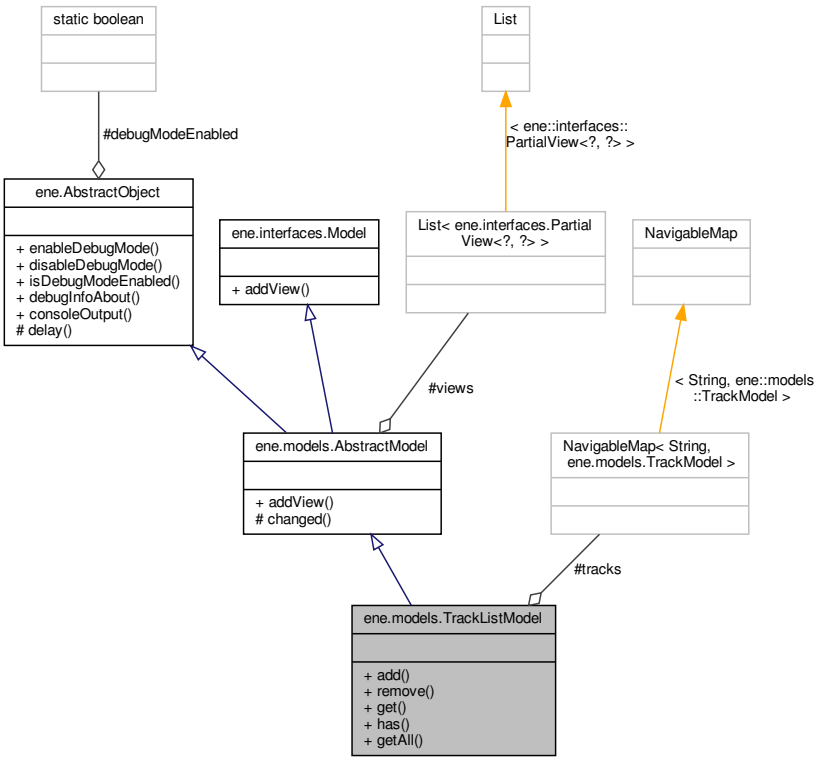
- src/ene/databases/SQLDatabase.java

7.28 ene.models.TrackListModel Class Reference

Inheritance diagram for ene.models.TrackListModel:



Collaboration diagram for ene.models.TrackListModel:



Public Member Functions

- void add (TrackModel track)
- boolean remove (String filename)
- TrackModel get (String filename)
- boolean has (String filename)
- NavigableMap< String, TrackModel > getAll ()

Protected Attributes

- NavigableMap< String, TrackModel > tracks = new TreeMap<>()

Additional Inherited Members

7.28.1 Detailed Description

Track list model.

Since

0.11.0

Version

2.0.0

Definition at line 12 of file TrackListModel.java.

7.28.2 Member Function Documentation

7.28.2.1 add()

```
void ene.models.TrackListModel.add (
            TrackModel track )
```

Adds a track.

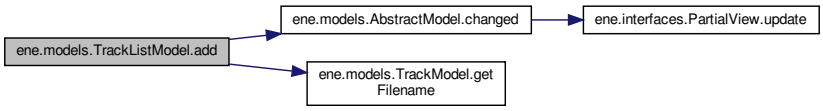
Parameters

track	Track model instance.

Definition at line 22 of file TrackListModel.java.

References ene.models.AbstractModel.changed(), and ene.models.TrackModel.getFilename().

Here is the call graph for this function:



7.28.2.2 get()

```
TrackModel ene.models.TrackListModel.get (
            String filename )
```

Returns track.

Parameters

filename	File path.

Returns

Track.

Definition at line 46 of file TrackListModel.java.

7.28.2.3 getAll()

```
NavigableMap<String, TrackModel> ene.models.TrackListModel.getAll ( )
```

Returns all tracks.

Returns

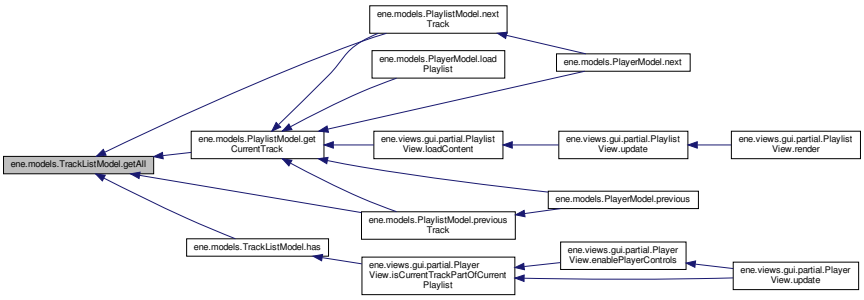
Tracks.

Definition at line 65 of file TrackListModel.java.

References ene.models.TrackListModel.tracks.

Referenced by ene.models.PlaylistModel.getCurrentTrack(), ene.models.TrackListModel.has(), ene.models.↩ PlaylistModel.nextTrack(), and ene.models.PlaylistModel.previousTrack().

Here is the caller graph for this function:



7.28.2.4 has()

```
boolean ene.models.TrackListModel.has (
            String filename )
```

Checks if a track exists.

Parameters

filename	File path.

Returns

Returns TRUE, if exists. Otherwise FALSE.

Since

1.0.0

Version

1.0.0

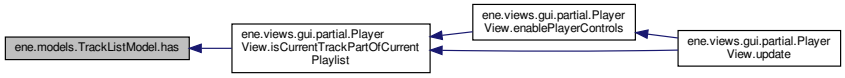
Definition at line 57 of file TrackListModel.java.

References ene.models.TrackListModel.getAll().

Referenced by ene.views.gui.partial.PlayerView.isCurrentTrackPartOfCurrentPlaylist().

Here is the call graph for this function:

Here is the caller graph for this function:



7.28.2.5 remove()

```
boolean ene.models.TrackListModel.remove (
            String filename )
```

Removes a track.

Parameters

filename	File path.

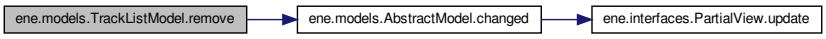
Returns

Returns TRUE, if successful. Otherwise FALSE.

Definition at line 32 of file TrackListModel.java.

References ene.models.AbstractModel.changed().

Here is the call graph for this function:



7.28.3 Member Data Documentation

7.28.3.1 tracks

```
NavigableMap<String, TrackModel> ene.models.TrackListModel.tracks = new TreeMap<>()  [protected]
```

All tracks.

Definition at line 16 of file TrackListModel.java.

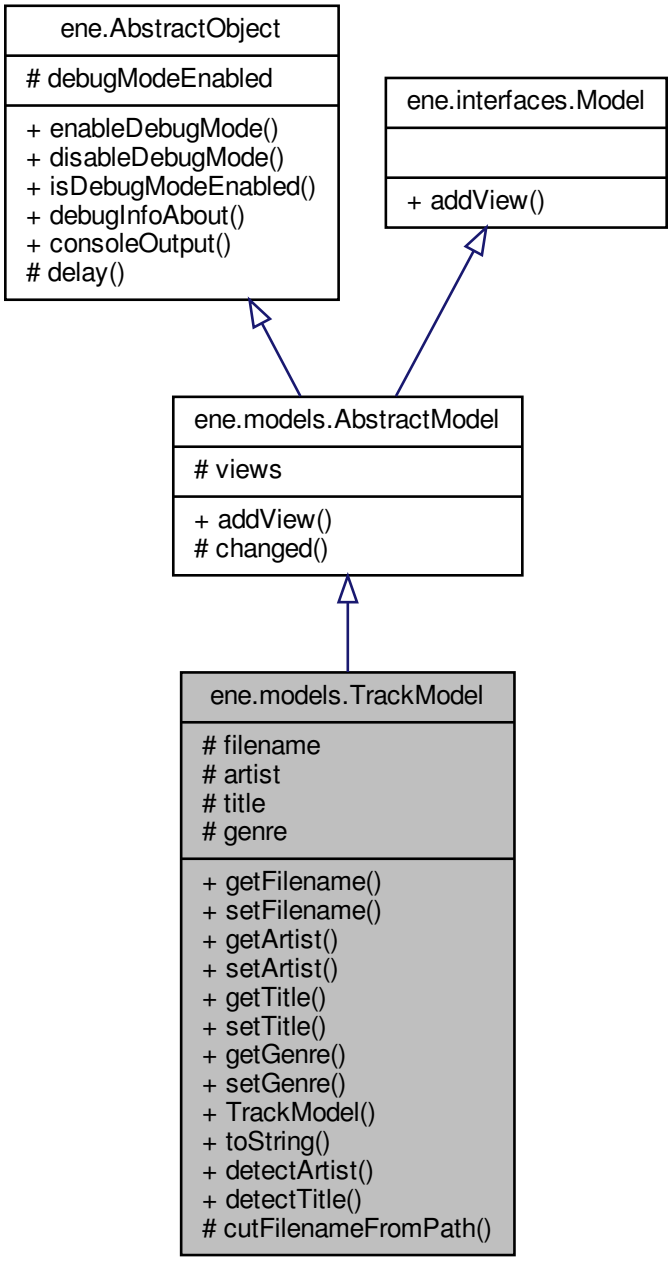
Referenced by ene.models.TrackListModel.getAll(), ene.models.LibraryModel.getByArtist(), ene.models.Library↩Model.getByGenre(), ene.models.LibraryModel.getByTitle(), and ene.models.LibraryModel.search().

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

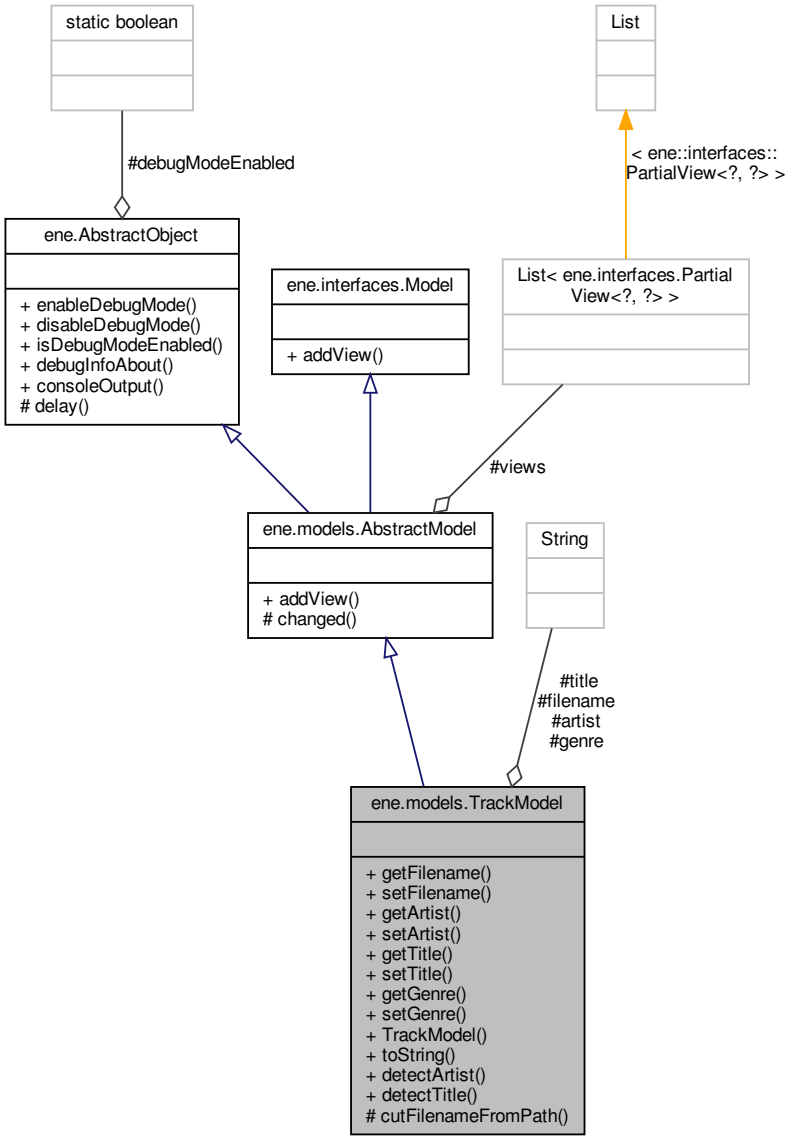
- src/ene/models/TrackListModel.java

7.29 ene.models.TrackModel Class Reference

Inheritance diagram for ene.models.TrackModel:



Collaboration diagram for ene.models.TrackModel:



Public Member Functions

- String getFilename ()
- void setFilename (String filename)
- String getArtist ()
- void setArtist (String artist)
- String getTitle ()
- void setTitle (String title)
- String getGenre ()
- void setGenre (String genre)
- TrackModel (String filename, String artist, String title, String genre)
- String toString ()

Static Public Member Functions

- static String detectArtist (String filename)
- static String detectTitle (String filename)

Static Protected Member Functions

- static String cutFilenameFromPath (String path)

Protected Attributes

- String filename
- String artist
- String title
- String genre

Additional Inherited Members

7.29.1 Detailed Description

Track model.

Version

2.1.1

Definition at line 9 of file TrackModel.java.

7.29.2 Constructor & Destructor Documentation

7.29.2.1 TrackModel()

```
ene.models.TrackModel.TrackModel (
            String filename,
            String artist,
            String title,
            String genre )
```

Constructor.

Parameters

filename	Filename.
artist	Artist.
title	Title.
genre	Genre.

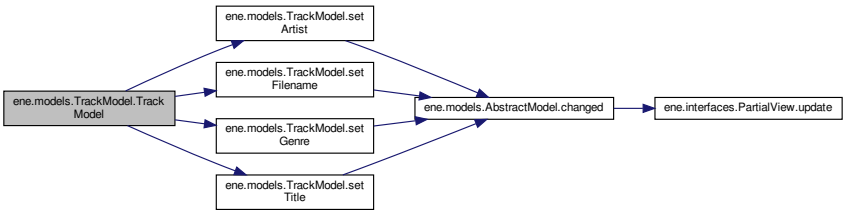
Since

0.10.0

Definition at line 106 of file TrackModel.java.

References ene.models.TrackModel.setArtist(), ene.models.TrackModel.setFilename(), ene.models.TrackModel.↩ setGenre(), and ene.models.TrackModel.setTitle().

Here is the call graph for this function:



7.29.3 Member Function Documentation

7.29.3.1 cutFilenameFromPath()

```
static String ene.models.TrackModel.cutFilenameFromPath (
            String path )  [static], [protected]
```

Cuts the filenme from a given path.

Parameters

path	File path.

Returns

Returns the filename without it's path.

Since

1.0.0

Version

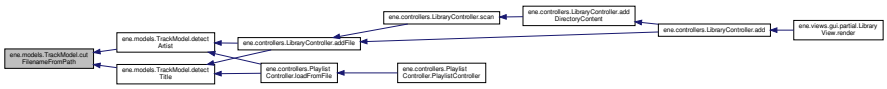
1.0.0

Definition at line 175 of file TrackModel.java.

References ene.models.TrackModel.filename.

Referenced by ene.models.TrackModel.detectArtist(), and ene.models.TrackModel.detectTitle().

Here is the caller graph for this function:



7.29.3.2 detectArtist()

```
static String ene.models.TrackModel.detectArtist (
             String filename )  [static]
```

Detects the artist by the filenme.

Parameters

filename	The filename.

Returns

Returns the artist or a empty string.

Since

0.10.1

Version

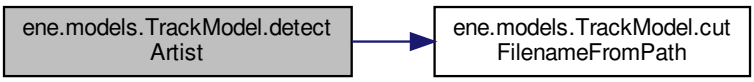
2.0.0

Definition at line 133 of file TrackModel.java.

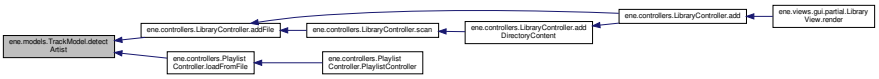
References ene.models.TrackModel.cutFilenameFromPath().

Referenced by ene.controllers.LibraryController.addFile(), and ene.controllers.PlaylistController.loadFromFile().

Here is the call graph for this function:



Here is the caller graph for this function:



7.29.3.3 detectTitle()

```
static String ene.models.TrackModel.detectTitle (
             String filename )  [static]
```

Detects the title by the filenme.

Parameters

filename	The filename.

Returns

Returns the title or a empty string.

Since

0.10.1

Version

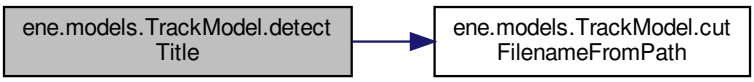
2.0.0

Definition at line 150 of file TrackModel.java.

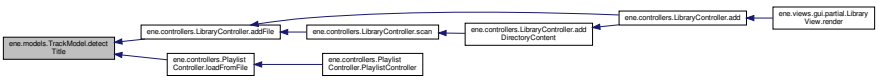
References ene.models.TrackModel.cutFilenameFromPath(), and ene.models.TrackModel.filename.

Referenced by ene.controllers.LibraryController.addFile(), and ene.controllers.PlaylistController.loadFromFile().

Here is the call graph for this function:



Here is the caller graph for this function:



7.29.3.4 getArtist()

```
String ene.models.TrackModel.getArtist ( )
```

Get the artist.

Returns

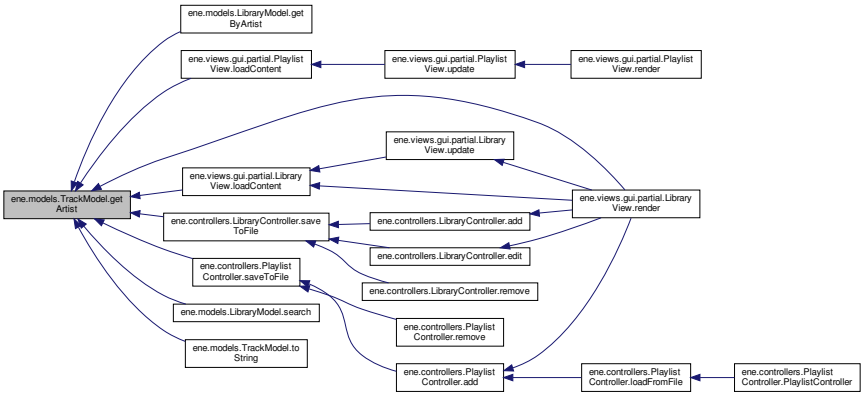
Artist.

Definition at line 51 of file TrackModel.java.

References ene.models.TrackModel.artist.

Referenced by ene.models.LibraryModel.getByArtist(), ene.views.gui.partial.PlaylistView.loadContent(), ene.↩ views.gui.partial.LibraryView.loadContent(), ene.views.gui.partial.LibraryView.render(), ene.controllers.Playlist↩ Controller.saveToFile(), ene.controllers.LibraryController.saveToFile(), ene.models.LibraryModel.search(), and ene.models.TrackModel.toString().

Here is the caller graph for this function:



7.29.3.5 getFilename()

```
String ene.models.TrackModel.getFilename ( )
```

Get the filename.

Returns

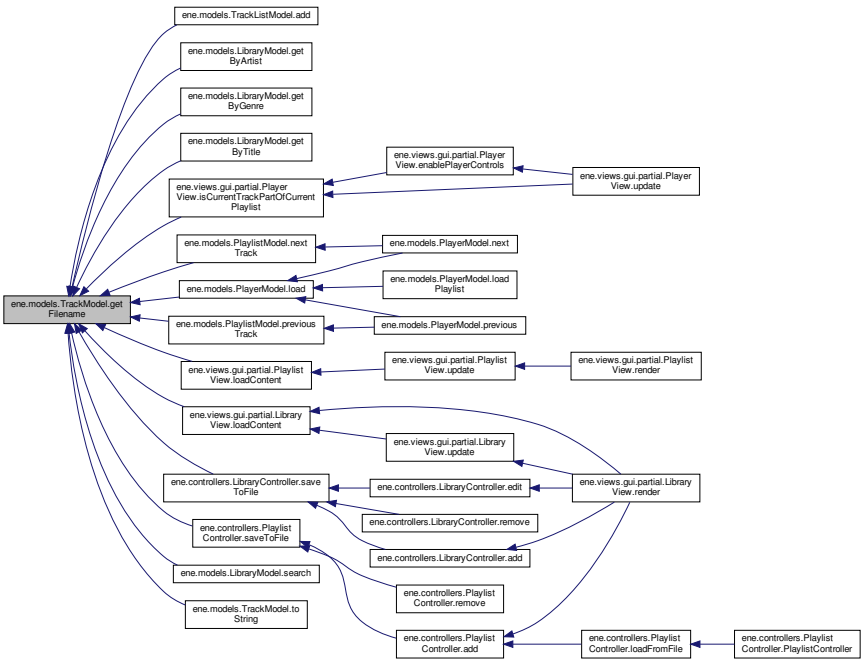
Filename.

Definition at line 34 of file TrackModel.java.

References ene.models.TrackModel.filename.

Referenced by ene.models.TrackListModel.add(), ene.models.LibraryModel.getByArtist(), ene.models.LibraryModel.getByGenre(), ene.models.LibraryModel.getByTitle(), ene.views.gui.partial.PlayerView.isCurrentTrackPartOfCurrentPlaylist(), ene.models.PlayerModel.load(), ene.views.gui.partial.PlaylistView.loadContent(), ene.views.gui.partial.LibraryView.loadContent(), ene.models.PlaylistModel.nextTrack(), ene.models.PlaylistModel.previousTrack(), ene.controllers.PlaylistController.saveToFile(), ene.controllers.LibraryController.saveToFile(), ene.models.LibraryModel.search(), and ene.models.TrackModel.toString().

Here is the caller graph for this function:



7.29.3.6 getGenre()

```
String ene.models.TrackModel.getGenre ( )
```

Get the genre.

Returns

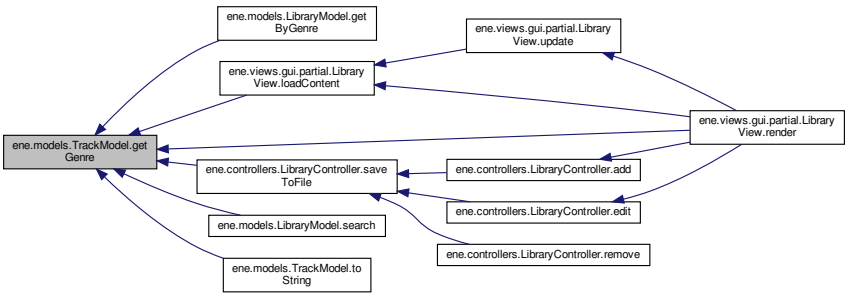
Genre.

Definition at line 85 of file TrackModel.java.

References ene.models.TrackModel.genre.

Referenced by ene.models.LibraryModel.getByGenre(), ene.views.gui.partial.LibraryView.loadContent(), ene.views.gui.partial.LibraryView.render(), ene.controllers.LibraryController.saveToFile(), ene.models.LibraryModel.search(), and ene.models.TrackModel.toString().

Here is the caller graph for this function:



7.29.3.7 getTitle()

```
String ene.models.TrackModel.getTitle ( )
```

Get the title.

Returns

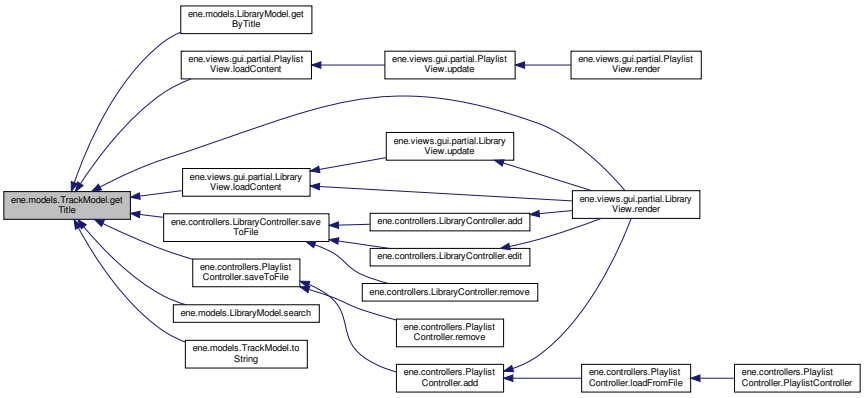
Title.

Definition at line 68 of file TrackModel.java.

References ene.models.TrackModel.title.

Referenced by ene.models.LibraryModel.getByTitle(), ene.views.gui.partial.PlaylistView.loadContent(), ene.views.gui.partial.LibraryView.loadContent(), ene.views.gui.partial.LibraryView.render(), ene.controllers.PlaylistController.saveToFile(), ene.controllers.LibraryController.saveToFile(), ene.models.LibraryModel.search(), and ene.models.TrackModel.toString().

Here is the caller graph for this function:



7.29.3.8 setArtist()

```
void ene.models.TrackModel.setArtist (
            String artist )
```

Set the artist.

Parameters

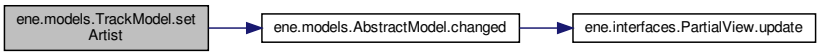
artist	Artist.

Definition at line 59 of file TrackModel.java.

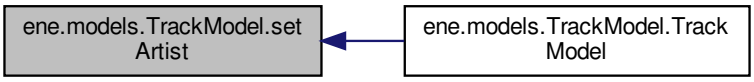
References ene.models.TrackModel.artist, and ene.models.AbstractModel.changed().

Referenced by ene.models.TrackModel.TrackModel().

Here is the call graph for this function:



Here is the caller graph for this function:



7.29.3.9 setFilename()

```
void ene.models.TrackModel.setFilename (
            String filename )
```

Set the filename.

Parameters

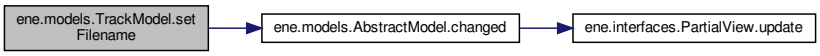
filename	Filename.

Definition at line 42 of file TrackModel.java.

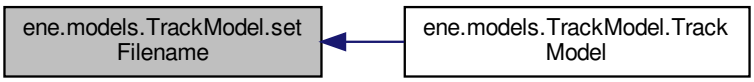
References ene.models.AbstractModel.changed(), and ene.models.TrackModel.filename.

Referenced by ene.models.TrackModel.TrackModel().

Here is the call graph for this function:



Here is the caller graph for this function:



7.29.3.10 setGenre()

```
void ene.models.TrackModel.setGenre (
            String genre )
```

Set the genre

Parameters

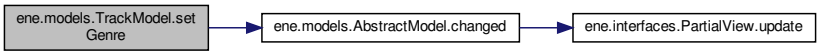
genre	Genre.

Definition at line 93 of file TrackModel.java.

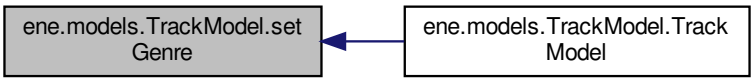
References ene.models.AbstractModel.changed(), and ene.models.TrackModel.genre.

Referenced by ene.models.TrackModel.TrackModel().

Here is the call graph for this function:



Here is the caller graph for this function:



7.29.3.11 setTitle()

```
void ene.models.TrackModel.setTitle (
            String title )
```

Set the title.

Parameters

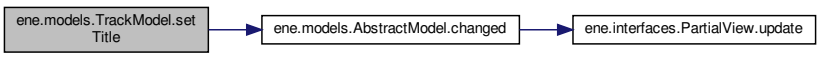
title	Title.

Definition at line 76 of file TrackModel.java.

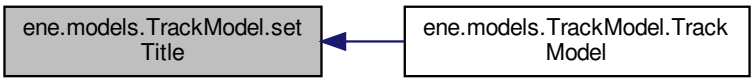
References ene.models.AbstractModel.changed(), and ene.models.TrackModel.title.

Referenced by ene.models.TrackModel.TrackModel().

Here is the call graph for this function:



Here is the caller graph for this function:



7.29.3.12 toString()

```
String ene.models.TrackModel.toString ( )
```

Returns a string representation of the object.

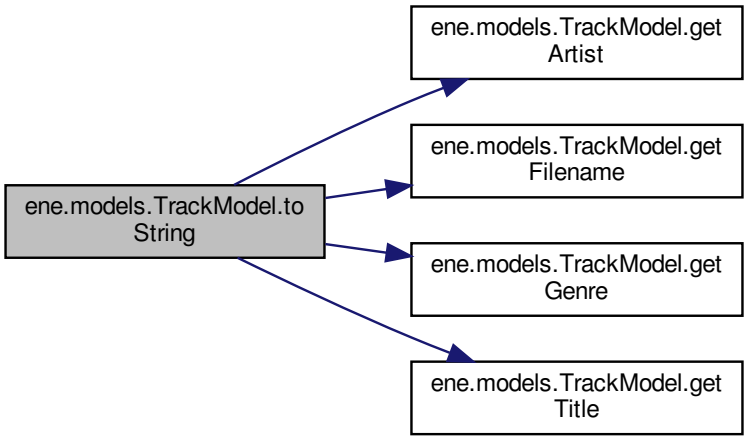
Returns

String representation of the object.

Definition at line 117 of file TrackModel.java.

References ene.models.TrackModel.getArtist(), ene.models.TrackModel.getFilename(), ene.models.TrackModel.↩ getGenre(), and ene.models.TrackModel.getTitle().

Here is the call graph for this function:



7.29.4 Member Data Documentation

7.29.4.1 artist

```
String ene.models.TrackModel.artist  [protected]
```

Artist.

Definition at line 18 of file TrackModel.java.

Referenced by ene.models.TrackModel.getArtist(), and ene.models.TrackModel.setArtist().

7.29.4.2 filename

```
String ene.models.TrackModel.filename  [protected]
```

Filename.

Definition at line 13 of file TrackModel.java.

Referenced by ene.models.TrackModel.cutFilenameFromPath(), ene.models.TrackModel.detectTitle(), ene.↩models.TrackModel.getFilename(), and ene.models.TrackModel.setFilename().

7.29.4.3 genre

```
String ene.models.TrackModel.genre  [protected]
```

Genre.

Definition at line 28 of file TrackModel.java.

Referenced by ene.models.TrackModel.getGenre(), and ene.models.TrackModel.setGenre().

7.29.4.4 title

```
String ene.models.TrackModel.title  [protected]
```

Title.

Definition at line 23 of file TrackModel.java.

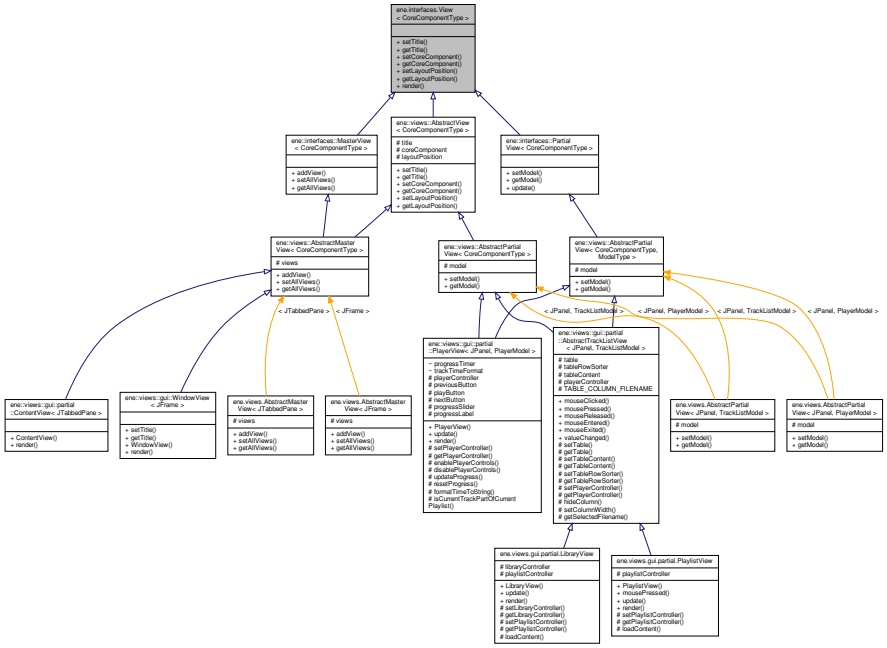
Referenced by ene.models.TrackModel.getTitle(), and ene.models.TrackModel.setTitle().

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

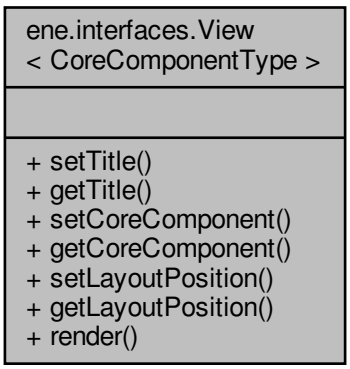
- src/ene/models/TrackModel.java

7.30 ene.interfaces.View< CoreComponentType > Interface Template Reference

Inheritance diagram for ene.interfaces.View< CoreComponentType >:



Collaboration diagram for ene.interfaces.View< CoreComponentType >:



Public Member Functions

- void setTitle (String title)
- String getTitle ()
- void setCoreComponent (CoreComponentType coreComponent)
- CoreComponentType getCoreComponent ()
- void setLayoutPosition (String layoutPosition)
- String getLayoutPosition ()
- void render ()

7.30.1 Detailed Description

View.

Version

2.1.0

Definition at line 7 of file View.java.

7.30.2 Member Function Documentation

7.30.2.1 getCoreComponent()

```
CoreComponentType ene.interfaces.View< CoreComponentType >.getCoreComponent ( )
```

Returns the core component instance.

Returns

Core component instance.

Implemented in ene.views.AbstractView< CoreComponentType >.

7.30.2.2 getLayoutPosition()

```
String ene.interfaces.View< CoreComponentType >.getLayoutPosition ( )
```

Returns the layout position.

Returns

Layout position.

Implemented in ene.views.AbstractView< CoreComponentType >.

7.30.2.3 getTitle()

```
String ene.interfaces.View< CoreComponentType >.getTitle ( )
```

Returns the title.

Returns

Title.

Since

0.13.0

Implemented in ene.views.AbstractView< CoreComponentType >, and ene.views.gui.WindowView.

7.30.2.4 render()

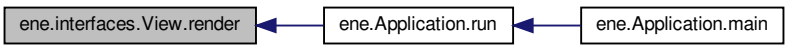
```
void ene.interfaces.View< CoreComponentType >.render ( )
```

Renders the view.

Implemented in ene.views.gui.partial.PlayerView, ene.views.gui.partial.LibraryView, ene.views.gui.partial.Playlist↩View, ene.views.gui.WindowView, and ene.views.gui.partial.ContentView.

Referenced by ene.Application.run().

Here is the caller graph for this function:



7.30.2.5 setCoreComponent()

```
void ene.interfaces.View< CoreComponentType >.setCoreComponent (
            CoreComponentType coreComponent )
```

Sets the core component instance.

Parameters

coreComponent	Core component instance.

Implemented in ene.views.AbstractView< CoreComponentType >.

7.30.2.6 setLayoutPosition()

```
void ene.interfaces.View< CoreComponentType >.setLayoutPosition (
            String layoutPosition )
```

Sets the layout position.

Parameters

layoutPosition	Layout position.

Implemented in ene.views.AbstractView< CoreComponentType >.

7.30.2.7 setTitle()

```
void ene.interfaces.View< CoreComponentType >.setTitle (
            String title )
```

Sets the title.

Parameters

title	Title.

Since

0.13.0

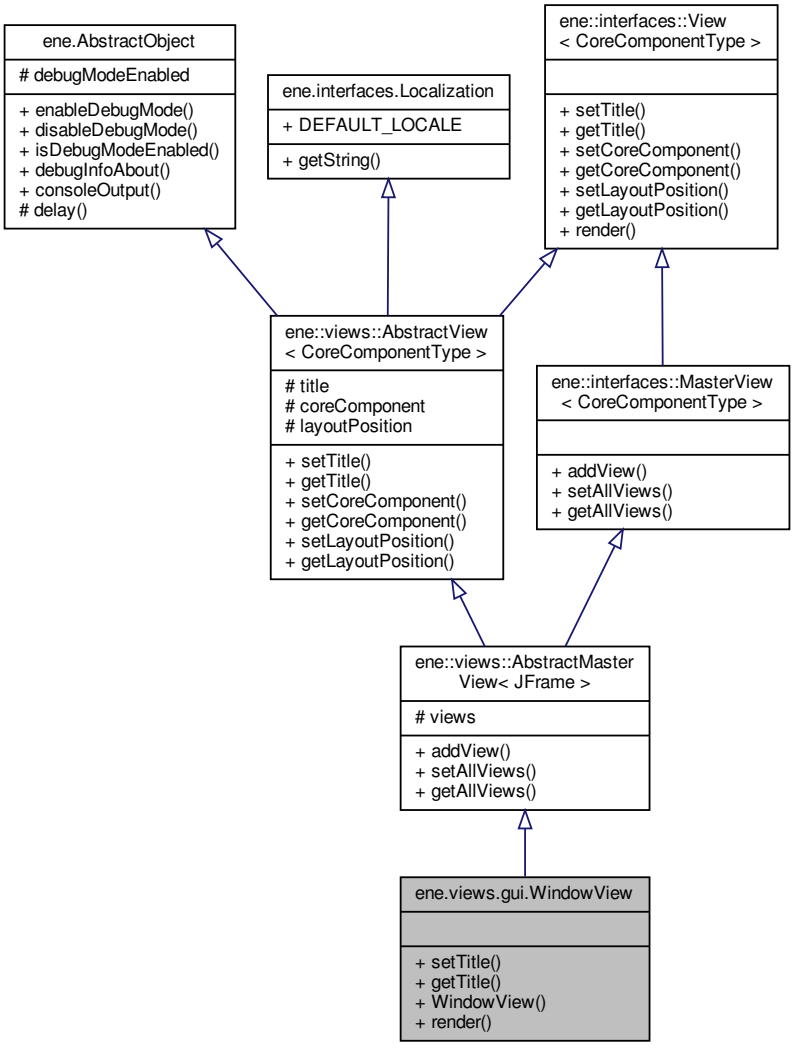
Implemented in ene.views.AbstractView< CoreComponentType >, and ene.views.gui.WindowView.

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

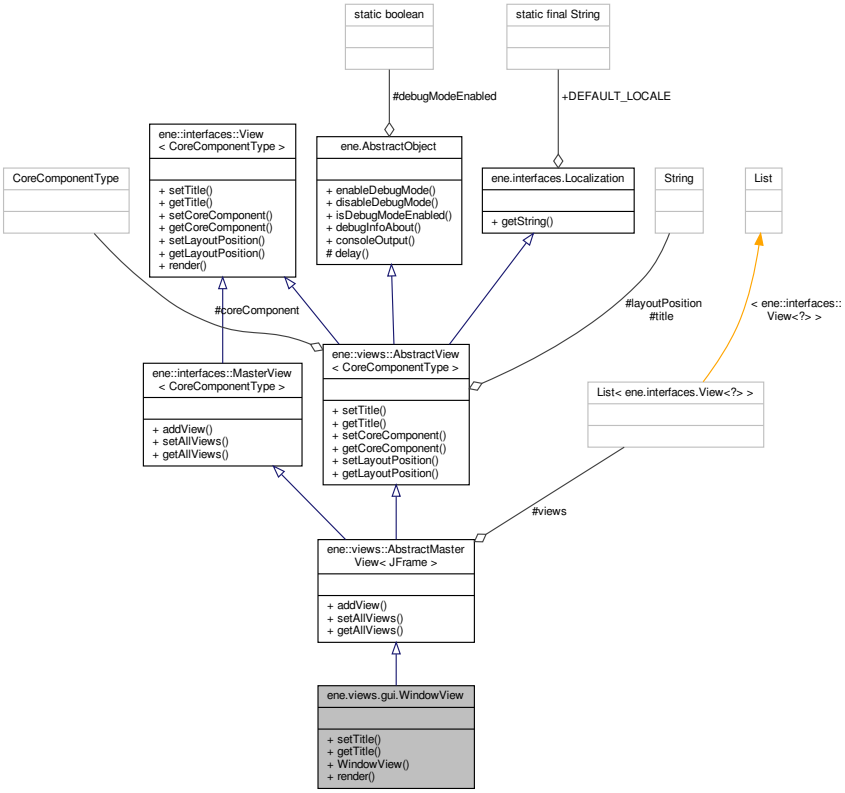
- src/ene/interfaces/View.java

7.31 ene.views.gui.WindowView Class Reference

Inheritance diagram for ene.views.gui.WindowView:



Collaboration diagram for ene.views.gui.WindowView:



Public Member Functions

- void setTitle (String title)
- String getTitle ()
- WindowView (View<?> ... views)
- void render ()

Additional Inherited Members

7.31.1 Detailed Description

Window view.

Version

1.3.0

Definition at line 20 of file WindowView.java.

7.31.2 Constructor & Destructor Documentation

7.31.2.1 WindowView()

```
ene.views.gui.WindowView.WindowView (
            View<?> ...  views )
```

Constructor.

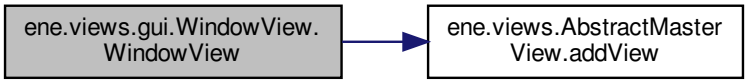
Parameters

views	View instances.

Definition at line 35 of file WindowView.java.

References ene.views.AbstractMasterView< CoreComponentType >.addView().

Here is the call graph for this function:



7.31.3 Member Function Documentation

7.31.3.1 getTitle()

```
String ene.views.gui.WindowView.getTitle ( )
```

Returns the title.

Returns

Title.

Since

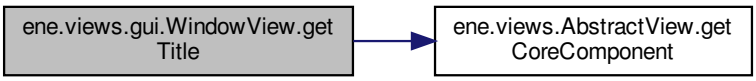
0.13.0

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 27 of file WindowView.java.

References ene.views.AbstractView< CoreComponentType >.getCoreComponent().

Here is the call graph for this function:



7.31.3.2 render()

```
void ene.views.gui.WindowView.render ( )
```

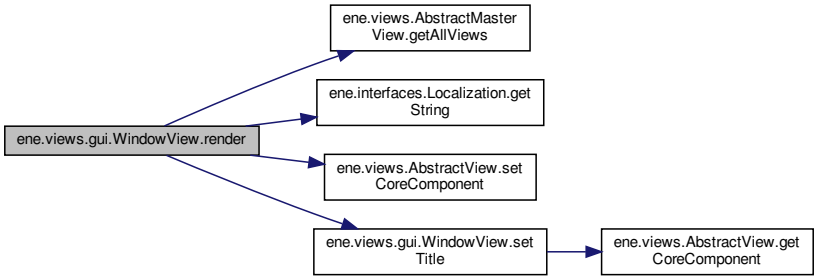
Renders the view.

Implements ene.interfaces.View< CoreComponentType >.

Definition at line 42 of file WindowView.java.

References ene.views.AbstractMasterView< CoreComponentType >.getAllViews(), ene.interfaces.Localization.↩ getString(), ene.views.AbstractView< CoreComponentType >.setCoreComponent(), and ene.views.gui.Window↩ View.setTitle().

Here is the call graph for this function:



7.31.3.3 setTitle()

```
void ene.views.gui.WindowView.setTitle (
            String title )
```

Sets the title.

Parameters

title	Title.

Since

0.13.0

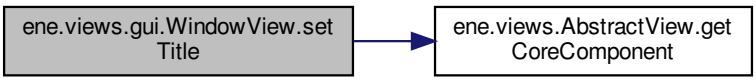
Implements ene.interfaces.View< CoreComponentType >.

Definition at line 22 of file WindowView.java.

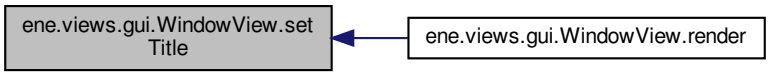
References ene.views.AbstractView< CoreComponentType >.getCoreComponent().

Referenced by ene.views.gui.WindowView.render().

Here is the call graph for this function:



Here is the caller graph for this function:



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

- src/ene/views/gui/WindowView.java

8 File Documentation

8.1 README.md File Reference

8.2 src/ene/AbstractObject.java File Reference

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- class ene.AbstractObject

Packages

- package ene

8.3 src/ene/Application.java File Reference

Classes

- class ene.Application

Packages

- package ene

8.4 src/ene/controllers/AbstractController.java File Reference

Classes

- class ene.controllers.AbstractController< ModelType >

Packages

- package ene.controllers

8.5 src/ene/controllers/LibraryController.java File Reference

Classes

- class ene.controllers.LibraryController

Packages

- package ene.controllers

8.6 src/ene/controllers/package-info.java File Reference

Packages

- package ene.controllers

8.7 src/ene/databases/package-info.java File Reference

Packages

- package ene.databases

8.8 src/ene/interfaces/package-info.java File Reference

Packages

- package ene.interfaces

8.9 src/ene/models/package-info.java File Reference

Packages

- package ene.models

8.10 src/ene/package-info.java File Reference

Packages

- package ene

8.11 src/ene/views/gui/package-info.java File Reference

Packages

- package ene.views.gui

8.12 src/ene/views/gui/partial/package-info.java File Reference

Packages

- package ene.views.gui.partial

8.13 src/ene/views/package-info.java File Reference

Packages

- package ene.views

8.14 src/ene/controllers/PlayerController.java File Reference

Classes

- class ene.controllers.PlayerController

Packages

- package ene.controllers

8.15 src/ene/controllers/PlaylistController.java File Reference

Classes

- class ene.controllers.PlaylistController

Packages

- package ene.controllers

8.16 src/ene/databases/SQLDatabase.java File Reference

Classes

- class ene.databases.SQLDatabase

Packages

- package ene.databases

8.17 src/ene/interfaces/Controller.java File Reference

Classes

- interface ene.interfaces.Controller< ModelType >

Packages

- package ene.interfaces

8.18 src/ene/interfaces/DatabaseConnection.java File Reference

Classes

- interface ene.interfaces.DatabaseConnection

Packages

- package ene.interfaces

8.19 src/ene/interfaces/Export.java File Reference

Classes

- interface ene.interfaces.Export

Packages

- package ene.interfaces

8.20 src/ene/interfaces/Import.java File Reference

Classes

- interface ene.interfaces.Import

Packages

- package ene.interfaces

8.21 src/ene/interfaces/Localization.java File Reference

Classes

- interface ene.interfaces.Localization

Packages

- package ene.interfaces

8.22 src/ene/interfaces/MasterView.java File Reference

Classes

- interface ene.interfaces.MasterView< CoreComponentType >

Packages

- package ene.interfaces

8.23 src/ene/interfaces/Model.java File Reference

Classes

- interface ene.interfaces.Model

Packages

- package ene.interfaces

8.24 src/ene/interfaces/PartialView.java File Reference

Classes

- interface ene.interfaces.PartialView< CoreComponentType, ModelType >

Packages

- package ene.interfaces

8.25 src/ene/interfaces/View.java File Reference

Classes

- interface ene.interfaces.View< CoreComponentType >

Packages

- package ene.interfaces

8.26 src/ene/models/AbstractModel.java File Reference

Classes

- class ene.models.AbstractModel

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- package ene.models

8.27 src/ene/models/LibraryModel.java File Reference

Classes

- class ene.models.LibraryModel

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- package ene.models

8.28 src/ene/models/PlayerModel.java File Reference

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- class ene.models.PlayerModel

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- package ene.models

8.29 src/ene/models/PlaylistModel.java File Reference

Classes

- class ene.models.PlaylistModel

Packages

- package ene.models

8.30 src/ene/models/TrackListModel.java File Reference

Classes

- class ene.models.TrackListModel

Packages

- package ene.models

8.31 src/ene/models/TrackModel.java File Reference

Classes

- class ene.models.TrackModel

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- package ene.models

8.32 src/ene/views/AbstractMasterView.java File Reference

Classes

- class ene.views.AbstractMasterView< CoreComponentType >

Packages

- package ene.views

8.33 src/ene/views/AbstractPartialView.java File Reference

Classes

- class ene.views.AbstractPartialView< CoreComponentType, ModelType >

Packages

- package ene.views

8.34 src/ene/views/AbstractView.java File Reference

Classes

- class ene.views.AbstractView< CoreComponentType >

Packages

- package ene.views

8.35 src/ene/views/gui/partial/AbstractTrackListView.java File Reference

Classes

- class ene.views.gui.partial.AbstractTrackListView

Packages

- package ene.views.gui.partial

8.36 src/ene/views/gui/partial/ContentView.java File Reference

Classes

- class ene.views.gui.partial.ContentView

Packages

- package ene.views.gui.partial

8.37 src/ene/views/gui/partial/LibraryView.java File Reference

Classes

- class ene.views.gui.partial.LibraryView

Packages

- package ene.views.gui.partial

8.38 src/ene/views/gui/partial/PlayerView.java File Reference

Classes

- class ene.views.gui.partial.PlayerView

Packages

- package ene.views.gui.partial

8.39 src/ene/views/gui/partial/PlaylistView.java File Reference

Classes

- class ene.views.gui.partial.PlaylistView

Packages

- package ene.views.gui.partial

8.40 src/ene/views/gui/WindowView.java File Reference

Classes

- class ene.views.gui.WindowView

Packages

- package ene.views.gui

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