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All Classes

- All Classes [Interface Summary](#) [Class Summary](#) [Exception Summary](#)

Class	Description
AltaDocument	
AltaExpBooleana	
AutorNoExisteixException	
AutorTitolJaExisteixException	
AutorTitolNoExisteixException	
BaixaDocument	
BaixaExpBooleana	
BiMap	
BoolExpression	
BoolExpression.Cursor	Auxiliar class to iterate over a query
BoolExpression.node	Auxiliar class to represent a node of the AST
BoolExpressionCampNullException	
BoolExpressionDB	
BoolExpressionException	
BoolExpressionFile	
BoolExpressionIdentificadorJaExisteixException	
BoolExpressionIdentificadorNoExisteixException	
CarregarDocument	
Composar	
CtrlBoolExpression	
CtrlBoolExpressionMem	
CtrlDocument	
CtrlDocumentMem	

Class	Description
<u>CtrlDomini</u>	
<u>CtrlPresentacio</u>	
<u>CustomException</u>	
<u>DatabaseException</u>	
<u>DatabaseInconsistentException</u>	
<u>Document</u>	
<u>DocumentCampNullException</u>	
<u>DocumentDB</u>	
<u>DocumentException</u>	
<u>DocumentFile</u>	
<u>DocumentJSON</u>	
<u>FactoriaCtrl</u>	
<u>FactoriaDB</u>	
<u>FolderNotFoundException</u>	
<u>GuardarDocument</u>	
<u>InvalidLiteralException</u>	
<u>InvalidSequenceException</u>	
<u>InvalidSetException</u>	
<u>LlistarBool</u>	
<u>LlistarDocAut</u>	
<u>LlistarPrefix</u>	
<u>LlistarSemb</u>	
<u>ModificarDocument</u>	
<u>ModificarExpBooleana</u>	
<u>MostrarContingut</u>	
<u>Parseig</u>	
<u>PseudoDocument</u>	
<u>RepVec</u>	
<u>RepVecJSON</u>	
<u>VistaPrincipal</u>	
<u>WronglyParenthesizedException</u>	

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- [ModificarDocument](#)
- [ModificarExpBooleana](#)

All Classes

- [MostrarContingut](#)
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- Package Summary

Package	Description
<u>database</u>	
<u>datalayer</u>	
<u>datalayer.databaseinterface</u>	
<u>domainlayer</u>	
<u>domainlayer.controllers</u>	
<u>domainlayer.datainterface</u>	
<u>domainlayer.model</u>	
<u>presentationlayer</u>	
<u>utils</u>	
<u>utils.exceptions</u>	
<u>utils.exceptions.boolexpression</u>	
<u>utils.exceptions.database</u>	
<u>utils.exceptions.document</u>	

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Constant Field Values

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Deprecated API

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How This API Document Is Organized

This API (Application Programming Interface) document has pages corresponding to the items in the navigation bar, described as follows.

• Overview

The [Overview](#) page is the front page of this API document and provides a list of all packages with a summary for each. This page can also contain an overall description of the set of packages.

• Package

Each package has a page that contains a list of its classes and interfaces, with a summary for each. These pages may contain six categories:

- ◆ Interfaces
- ◆ Classes
- ◆ Enums
- ◆ Exceptions
- ◆ Errors
- ◆ Annotation Types

• Class or Interface

Each class, interface, nested class and nested interface has its own separate page. Each of these pages has three sections consisting of a class/interface description, summary tables, and detailed member descriptions:

- ◆ Class Inheritance Diagram
- ◆ Direct Subclasses
- ◆ All Known Subinterfaces
- ◆ All Known Implementing Classes
- ◆ Class or Interface Declaration
- ◆ Class or Interface Description

- ◆ Nested Class Summary
- ◆ Field Summary
- ◆ Property Summary
- ◆ Constructor Summary
- ◆ Method Summary

- ◆ Field Detail
- ◆ Property Detail
- ◆ Constructor Detail
- ◆ Method Detail

Each summary entry contains the first sentence from the detailed description for that item. The summary entries are alphabetical, while the detailed descriptions are in the order they appear in the source code. This preserves the logical groupings established by the programmer.

• Annotation Type

Each annotation type has its own separate page with the following sections:

- ◆ Annotation Type Declaration
- ◆ Annotation Type Description
- ◆ Required Element Summary
- ◆ Optional Element Summary

- ◆ Element Detail

• Enum

Each enum has its own separate page with the following sections:

- ◆ Enum Declaration
- ◆ Enum Description
- ◆ Enum Constant Summary
- ◆ Enum Constant Detail

• Tree (Class Hierarchy)

There is a [Class Hierarchy](#) page for all packages, plus a hierarchy for each package. Each hierarchy page contains a list of classes and a list of interfaces. Classes are organized by inheritance structure starting with `java.lang.Object`. Interfaces do not inherit from `java.lang.Object`.

- ◆ When viewing the Overview page, clicking on "Tree" displays the hierarchy for all packages.
- ◆ When viewing a particular package, class or interface page, clicking on "Tree" displays the hierarchy for only that package.

• Deprecated API

The [Deprecated API](#) page lists all of the API that have been deprecated. A deprecated API is not recommended for use, generally due to improvements, and a replacement API is usually given. Deprecated APIs may be removed in future implementations.

• Index

The [Index](#) contains an alphabetic index of all classes, interfaces, constructors, methods, and fields, as well as lists of all packages and all classes.

• All Classes

The [All Classes](#) link shows all classes and interfaces except non-static nested types.

• Serialized Form

Each serializable or externalizable class has a description of its serialization fields and methods. This information is of interest to re-implementors, not to developers using the API. While there is no link in the navigation bar, you can get to this information by going to any serialized class and clicking "Serialized Form" in the "See also" section of the class description.

• Constant Field Values

The [Constant Field Values](#) page lists the static final fields and their values.

• Search

You can search for definitions of modules, packages, types, fields, methods and other terms defined in the API, using some or all of the name. "Camel-case" abbreviations are supported: for example, "InpStr" will find "InputStream" and "InputStreamReader".

This help file applies to API documentation generated by the standard doclet.
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A

[actualitzar_aparicions\(String, String\)](#) - Method in class datalayer.[CtrlDocumentMem](#)

Update appearances of a word

[alta_BoolExpression\(String, String\)](#) - Method in class datalayer.[CtrlBoolExpressionMem](#)

[alta_BoolExpression\(String, String\)](#) - Method in class domainlayer.controllers.[CtrlDomini](#)

Crea el controlador d'expressions booleanes y posteriorment al mètode `alta_BoolExpression` amb els paràmetres corresponents.

[alta_BoolExpression\(String, String\)](#) - Method in interface domainlayer.datainterface.[CtrlBoolExpression](#)

New BoolExpression

[alta_doc\(String, String, String, String\)](#) - Method in class datalayer.[CtrlDocumentMem](#)

[alta_doc\(String, String, String, String\)](#) - Method in interface domainlayer.datainterface.[CtrlDocument](#)

New Document

[alta_document\(String, String, String, String\)](#) - Method in class domainlayer.controllers.[CtrlDomini](#)

Crea el controlador de documents y posteriorment al mètode `alta_doc` amb els paràmetres corresponents.

[altaDocument](#) - Variable in class presentationlayer.[CtrlPresentacio](#)

All Classes

Instancia de altaDocument

AltaDocument - Class in presentationlayer

AltaDocument(CtrlPresentacio) - Constructor for class presentationlayer.AltaDocument

Default Contructor

altaExpBool(String, String) - Method in class presentationlayer.CtrlPresentacio

Dona d'alta una expressiÃ³ booleana

altaExpBooleana - Variable in class presentationlayer.CtrlPresentacio

Instancia de altaExpBooleana

AltaExpBooleana - Class in presentationlayer

AltaExpBooleana(CtrlPresentacio) - Constructor for class presentationlayer.AltaExpBooleana

Constructs the AltaExpBooleana view

anytoStrings(String) - Method in class utils.Parseig

autor - Variable in class domainlayer.model.Document

Autor of the Document

autor - Variable in class utils.PseudoDocument

AutorNoExisteixException - Exception in utils.exceptions.document

AutorNoExisteixException() - Constructor for exception

utils.exceptions.document.AutorNoExisteixException

Default constructor

AutorNoExisteixException(String) - Constructor for exception

utils.exceptions.document.AutorNoExisteixException

Constructor with a message propagated

AutorTitolJaExisteixException - Exception in utils.exceptions.document

AutorTitolJaExisteixException() - Constructor for exception

utils.exceptions.document.AutorTitolJaExisteixException

Default constructor

AutorTitolJaExisteixException(String) - Constructor for exception

utils.exceptions.document.AutorTitolJaExisteixException

Constructor with a message propagated

AutorTitolNoExisteixException - Exception in utils.exceptions.document

AutorTitolNoExisteixException() - Constructor for exception

utils.exceptions.document.AutorTitolNoExisteixException

Default constructor

AutorTitolNoExisteixException(String) - Constructor for exception

utils.exceptions.document.AutorTitolNoExisteixException

Constructor with a message propagated

B

baixa BoolExpression(String) - Method in class datalayer.CtrlBoolExpressionMem

baixa BoolExpression(String) - Method in class domainlayer.controllers.CtrlDomini

All Classes

Crea el controlador d'expressions booleanes y posteriormente al mètode `baixa_BoolExpression` amb els paràmetres corresponents.

`baixa_BoolExpression(String)` - Method in interface `domainlayer.datainterface.CtrlBoolExpression`

Delete `BoolExpression`

`baixa_doc(String, String)` - Method in class `datalayer.CtrlDocumentMem`

`baixa_doc(String, String)` - Method in interface `domainlayer.datainterface.CtrlDocument`

Delete document

`baixa_document(String, String)` - Method in class `domainlayer.controllers.CtrlDomini`

Crea el controlador de documents y posteriormente al mètode `baixa_doc` amb els paràmetres corresponents.

`baixaDocument` - Variable in class `presentationlayer.CtrlPresentacio`

Instancia de `baixaDocument`

`BaixaDocument` - Class in `presentationlayer`

`BaixaDocument(CtrlPresentacio)` - Constructor for class `presentationlayer.BaixaDocument`

`baixaExpBool(String)` - Method in class `presentationlayer.CtrlPresentacio`

Esborra una expressió booleana

`baixaExpBooleana` - Variable in class `presentationlayer.CtrlPresentacio`

Instancia de `baixaExpBooleana`

`BaixaExpBooleana` - Class in `presentationlayer`

`BaixaExpBooleana(CtrlPresentacio)` - Constructor for class `presentationlayer.BaixaExpBooleana`

Constructs the `BaixaExpBooleana` view

`BiMap` - Class in `utils`

`BiMap()` - Constructor for class `utils.BiMap`

`bool_search(BoolExpression)` - Method in class `datalayer.CtrlDocumentMem`

`bool_search(BoolExpression)` - Method in interface `domainlayer.datainterface.CtrlDocument`

`bool_search(String)` - Method in class `domainlayer.controllers.CtrlDomini`

Crea el controlador d'expressions booleanes, el controlador de document y posteriormente al mètode `get_BoolExpression`, `bool_search` amb els paràmetres corresponents.

`BoolExpression` - Class in `domainlayer.model`

`BoolExpression(String)` - Constructor for class `domainlayer.model.BoolExpression`

Principal constructor that receives a query as an input

`BoolExpression.Cursor` - Class in `domainlayer.model`

Auxiliar class to iterate over a query

`BoolExpression.node` - Class in `domainlayer.model`

Auxiliar class to represent a node of the AST

`BoolExpressionCampNullException` - Exception in `utils.exceptions.boolexpression`

`BoolExpressionCampNullException()` - Constructor for exception

`utils.exceptions.boolexpression.BoolExpressionCampNullException`

Default Constructor

`BoolExpressionCampNullException(String)` - Constructor for exception

`utils.exceptions.boolexpression.BoolExpressionCampNullException`

All Classes

Constructor with a message propagated

BoolExpressionDB - Interface in datalayer.databaseinterface

BoolExpressionException - Exception in utils.exceptions.boolexpression

BoolExpressionException() - Constructor for exception

utils.exceptions.boolexpression.BoolExpressionException

Default Constructor

BoolExpressionException(String) - Constructor for exception

utils.exceptions.boolexpression.BoolExpressionException

Constructor with a message propagated

BoolExpressionFile - Class in database

BoolExpressionFile() - Constructor for class database.BoolExpressionFile

boolExpressionFolder - Variable in class database.BoolExpressionFile

Reference to DATA/BoolExpression in Database, where all the BoolExpressions are stored

BoolExpressionIdentificadorJaExisteixException - Exception in utils.exceptions.boolexpression

BoolExpressionIdentificadorJaExisteixException() - Constructor for exception

utils.exceptions.boolexpression.BoolExpressionIdentificadorJaExisteixException

Default Constructor

BoolExpressionIdentificadorJaExisteixException(String) - Constructor for exception

utils.exceptions.boolexpression.BoolExpressionIdentificadorJaExisteixException

Constructor with a message propagated

BoolExpressionIdentificadorNoExisteixException - Exception in utils.exceptions.boolexpression

BoolExpressionIdentificadorNoExisteixException() - Constructor for exception

utils.exceptions.boolexpression.BoolExpressionIdentificadorNoExisteixException

Default Constructor

BoolExpressionIdentificadorNoExisteixException(String) - Constructor for exception

utils.exceptions.boolexpression.BoolExpressionIdentificadorNoExisteixException

Constructor with a message propagated

bools - Variable in class datalayer.CtrlBoolExpressionMem

Container for all the BoolExpressions in memory

bools - Variable in class datalayer.databaseinterface.FactoriaDB

Reference to BoolExpression database

bools - Variable in class domainlayer.datainterface.FactoriaCtrl

Reference to the BoolExpression controller in memory, ensures only one instance of it

borrarDocument(String, String) - Method in class presentationlayer.CtrlPresentacio

Esborra un document

buttonAlta - Variable in class presentationlayer.AltaExpBooleana

Alta button to add a boolean expression

buttonAltaActionPerformed(ActionEvent) - Method in class presentationlayer.AltaExpBooleana

Adds the new boolean expression when the Alta button is pressed

buttonBaixa - Variable in class presentationlayer.BaixaExpBooleana

Baixa button to delete a boolean expression

buttonBaixaActionPerformed(ActionEvent) - Method in class presentationlayer.BaixaExpBooleana

Deletes the boolean expression when the Baixa button is pressed

buttonBorrar - Variable in class presentationlayer.BaixaDocument

Button Crear for erasing a document

All Classes

buttonBorrarActionPerformed(ActionEvent) - Method in class presentationlayer.BaixaDocument
Deletes the document when the button "Borrar" is pressed

buttonBuscar - Variable in class presentationlayer.LlistarBool
Button Buscar for searching a document

buttonBuscar - Variable in class presentationlayer.ModificarDocument
Button Buscar for searching a document

buttonBuscarActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarBool

buttonBuscarActionPerformed(ActionEvent) - Method in class presentationlayer.ModificarDocument
Search for the document when the button "Buscar" is pressed

buttonCancela - Variable in class presentationlayer.AltaExpBooleana
Cancela button to cancel

buttonCancela - Variable in class presentationlayer.BaixaExpBooleana
Cancela button to cancel

buttonCancela - Variable in class presentationlayer.ModificarExpBooleana
Cancela button to cancel

buttonCancelaActionPerformed(ActionEvent) - Method in class presentationlayer.AltaExpBooleana
Returns to the initial view when the Cancela button is pressed

buttonCancelaActionPerformed(ActionEvent) - Method in class presentationlayer.BaixaExpBooleana
Returns to the initial view when the Cancela button is pressed

buttonCancelaActionPerformed(ActionEvent) - Method in class presentationlayer.ModificarExpBooleana
Returns to the initial view when the Cancela button is pressed

buttonCancelar - Variable in class presentationlayer.VistaPrincipal

buttonCancelarActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal
Tanca el diÀ leg de

buttonCarregar - Variable in class presentationlayer.CarregarDocument
Button Crear for loading a document

buttonCarregarActionPerformed(ActionEvent) - Method in class presentationlayer.CarregarDocument
Adding a new document when the button "Carregar" is pressed

buttonCrear - Variable in class presentationlayer.AltaDocument
Button Crear for creating a new document

buttonCrearActionPerformed(ActionEvent) - Method in class presentationlayer.AltaDocument
Creation of the new document when the button "Crear" is pressed

buttonGuardar - Variable in class presentationlayer.GuardarDocument
Button Crear for saving a new document

buttonGuardar - Variable in class presentationlayer.ModificarDocument
Button Guardar for saving a document

buttonGuardarActionPerformed(ActionEvent) - Method in class presentationlayer.GuardarDocument
Save the document when the button "Guardar" is pressed

buttonGuardarActionPerformed(ActionEvent) - Method in class presentationlayer.ModificarDocument
Save the document when the button "Guardar" is pressed

buttonInici - Variable in class presentationlayer.AltaDocument
Button Inici for returning to main screen

buttonInici - Variable in class presentationlayer.BaixaDocument
Button Inici for returning to main screen

buttonInici - Variable in class presentationlayer.CarregarDocument
Button Inici for returning to main screen

buttonInici - Variable in class presentationlayer.GuardarDocument
Button Inici for returning to main screen

buttonInici - Variable in class presentationlayer.LlistarBool

All Classes

BotÃ³ inici per retornar a la vista principal
buttonInici - Variable in class presentationlayer.LlistarDocAut
BotÃ³ inici per retornar a la vista principal
buttonInici - Variable in class presentationlayer.LlistarPrefix
BotÃ³ inici per retornar a la vista principal
buttonInici - Variable in class presentationlayer.LlistarSemb
BotÃ³ inici per retornar a la vista principal
buttonInici - Variable in class presentationlayer.ModificarDocument
Button Inici for returning to main screen
buttonInici - Variable in class presentationlayer.MostrarContingut
Button Inici for returning to main screen
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.AltaDocument
Return to the initial view
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.BaixaDocument
Return to the initial view
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.CarregarDocument
Return to the initial view
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.GuardarDocument
Return to the initial view
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarBool
Retorna a la vista principal esborrant el contingut de 'textcontingut'
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarDocAut
Retorna a la vista principal esborrant el contingut de 'textcontingut'
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarPrefix
Retorna a la vista principal esborrant el contingut de 'textcontingut'
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarSemb
Retorna a la vista principal esborrant el contingut de 'textcontingut'
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.ModificarDocument
Return to the initial view
buttonIniciActionPerformed(ActionEvent) - Method in class presentationlayer.MostrarContingut
Return to the initial view
buttonModificar - Variable in class presentationlayer.ModificarExpBooleana
Modificar button to modifie a boolean expression
buttonModificarActionPerformed(ActionEvent) - Method in class presentationlayer.ModificarExpBooleana
Modifies the boolean expression when the Modificar button is pressed
buttonMostrar - Variable in class presentationlayer.LlistarBool
BotÃ³ mostrar per llistar els documents corresponents.
buttonMostrar - Variable in class presentationlayer.LlistarDocAut
BotÃ³ mostrar per llistar els tÃ­ols corresponents.
buttonMostrar - Variable in class presentationlayer.LlistarPrefix
BotÃ³ mostrar per llistar els autors corresponents.
buttonMostrar - Variable in class presentationlayer.LlistarSemb
BotÃ³ mostrar per llistar els documents corresponents.
buttonMostrar - Variable in class presentationlayer.MostrarContingut
Button Crear for showing a document
buttonMostrarActionPerformed(ActionEvent) - Method in class presentationlayer.MostrarContingut
Show the document when the button "Mostrar" is pressed
buttonReset - Variable in class presentationlayer.VistaPrincipal
buttonResetActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal
Obre el diÃ­leg de confirmar

All Classes

buttonSi - Variable in class presentationlayer.VistaPrincipal

buttonSiActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Fa un reset del sistema

C

calcular_distancia_docs(TreeMap<String, Double>, TreeMap<String, Double>) - Method in class datalayer.CtrlDocumentMem

Compute Distance

calcular_metrica() - Method in class domainlayer.model.Document

This function calculates the metric

calcular_metrica() - Method in class domainlayer.model.RepVec

carregar_document(String) - Method in class domainlayer.controllers.CtrlDomini

Carrega un document d'alguna ubicació de l'ordinador al sistema si és de format txt, xml o json.

carregarDocument - Variable in class presentationlayer.CtrlPresentacio

Instancia de carregarDocument

carregarDocument(String) - Method in class presentationlayer.CtrlPresentacio

Carrega un document a la base de dades

CarregarDocument - Class in presentationlayer

CarregarDocument(CtrlPresentacio) - Constructor for class presentationlayer.CarregarDocument

clear() - Method in class utils.BiMap

Composar - Class in utils

Composar() - Constructor for class utils.Composar

comprovar_si_stop_word(String) - Method in class domainlayer.model.RepVec

cont - Variable in class domainlayer.model.Document

Content of the Document

contar_paraules(String, String) - Method in class domainlayer.model.RepVec

content_folder - Variable in class database.DocumentFile

reference to DATA/Contingut folder, where all the contents of Documents are stored

convertirArray(ArrayList<Document>) - Method in class presentationlayer.LlistarBool

Converteix un array de documents 'l' a un String on es llisten els documents per títol i autor incoherent els interlineats corresponents.

convertirArray(ArrayList<Document>) - Method in class presentationlayer.LlistarSemb

Converteix un array de documents 'l' a un String on es llisten els documents per títol i autor incoherent els interlineats corresponents.

convertirArray(ArrayList<String>) - Method in class presentationlayer.LlistarDocAut

Converteix un array d'autors 'a' a un String on es llisten els títols dels documents incoherent els interlineats corresponents.

convertirArray(ArrayList<String>) - Method in class presentationlayer.LlistarPrefix

Converteix un array d'autors 'a' a un String on es llisten els autors incoherent els interlineats corresponents.

All Classes

crearDocument(String, String, String) - Method in class presentationlayer.CtrlPresentacio

Crea un document amb titol, autor i contingut

CtrlBoolExpression - Interface in domainlayer.datainterface

CtrlBoolExpressionMem - Class in datalayer

CtrlBoolExpressionMem() - Constructor for class datalayer.CtrlBoolExpressionMem

Default constructor

CtrlDocument - Interface in domainlayer.datainterface

CtrlDocumentMem - Class in datalayer

CtrlDocumentMem() - Constructor for class datalayer.CtrlDocumentMem

Default constructor

ctrlDomini - Variable in class presentationlayer.CtrlPresentacio

Instancia de Ctrl domini

CtrlDomini - Class in domainlayer.controllers

CtrlDomini() - Constructor for class domainlayer.controllers.CtrlDomini

CtrlPresentacio - Class in presentationlayer

CtrlPresentacio() - Constructor for class presentationlayer.CtrlPresentacio

Constructora CtrlPresentaciÃ³

Cursor() - Constructor for class domainlayer.model.BoolExpression.Cursor

CustomException - Exception in utils.exceptions

CustomException() - Constructor for exception utils.exceptions.CustomException

Default constructor

CustomException(String) - Constructor for exception utils.exceptions.CustomException

Constructor with a message propagated

D

data_folder - Variable in class database.DocumentFile

Reference to DATA folder, where all the Documents identifiers are stored

database - package database

DatabaseException - Exception in utils.exceptions.database

DatabaseException() - Constructor for exception utils.exceptions.database.DatabaseException

Default constructor

DatabaseException(String) - Constructor for exception utils.exceptions.database.DatabaseException

Constructor with a message propagated

DatabaseInconsistentException - Exception in utils.exceptions.database

DatabaseInconsistentException() - Constructor for exception

utils.exceptions.database.DatabaseInconsistentException

Default constructor

All Classes

DatabaseInconsistentException(String) - Constructor for exception
utils.exceptions.database.DatabaseInconsistentException

Constructor with a message propagated

datalayer - package datalayer

datalayer.databaseinterface - package datalayer.databaseinterface

delete(Document) - Method in class database.DocumentFile

delete(Document) - Method in interface datalayer.databaseinterface.DocumentDB

Delete Document on Database

delete(String) - Method in class database.BoolExpressionFile

delete(String) - Method in interface datalayer.databaseinterface.BoolExpressionDB

Delete BoolExpression in Database

dialogReset - Variable in class presentationlayer.VistaPrincipal

docs - Variable in class datalayer.databaseinterface.FactoriaDB

Reference to Document database

docs - Variable in class domainlayer.datainterface.FactoriaCtrl

Reference to the Document controller in memory, ensures only one instance of it

Document - Class in domainlayer.model

Document(String, String, String, RepVec) - Constructor for class domainlayer.model.Document

Creates a Document with format f, title t, author a and RepVec rv

Document(String, String, String, String) - Constructor for class domainlayer.model.Document

Creates a Document with format f, title t, author a and content c

Document(String, String, String, String, RepVec) - Constructor for class domainlayer.model.Document

Creates a Document with format f, title t, author a, content c and RepVec rv

DocumentCampNullException - Exception in utils.exceptions.document

DocumentCampNullException() - Constructor for exception

utils.exceptions.document.DocumentCampNullException

Default constructor

DocumentCampNullException(String) - Constructor for exception

utils.exceptions.document.DocumentCampNullException

Constructor with a message propagated

DocumentDB - Interface in datalayer.databaseinterface

DocumentException - Exception in utils.exceptions.document

DocumentException() - Constructor for exception utils.exceptions.document.DocumentException

Default constructor

DocumentException(String) - Constructor for exception utils.exceptions.document.DocumentException

Constructor with a message propagated

DocumentFile - Class in database

DocumentFile() - Constructor for class database.DocumentFile

DocumentJSON - Class in utils

All Classes

DocumentJSON() - Constructor for class utils.DocumentJSON

DocumentJSON(Document) - Constructor for class utils.DocumentJSON

DocumentJSON(JSONObject) - Constructor for class utils.DocumentJSON

domainlayer - package domainlayer

domainlayer.controllers - package domainlayer.controllers

domainlayer.datainterface - package domainlayer.datainterface

domainlayer.model - package domainlayer.model

E

equals(Object) - Method in class domainlayer.model.Document

equals(Object) - Method in class domainlayer.model.RepVec

equals(Object) - Method in class utils.PseudoDocument

evaluate(Document) - Method in class domainlayer.model.BoolExpression

Evaluate a Document

evaluate bool(String) - Method in class domainlayer.model.Document

Pre: The literal query is well formed

evaluate_rec(BoolExpression.node, Document) - Method in class domainlayer.model.BoolExpression

Auxiliar function that enables the evaluation of a Document at a node level

F

factDatabase - Variable in class datalayer.CtrlBoolExpressionMem

Reference to the Database

factDatabase - Variable in class datalayer.CtrlDocumentMem

Reference to Database

FactoriaCtrl - Class in domainlayer.datainterface

FactoriaCtrl() - Constructor for class domainlayer.datainterface.FactoriaCtrl

Private Constructor for Singleton Object

FactoriaDB - Class in datalayer.databaseinterface

FactoriaDB() - Constructor for class datalayer.databaseinterface.FactoriaDB

Private constructor for Singleton Pattern

fc - Variable in class domainlayer.controllers.CtrlDomini

ferInvisible() - Method in class presentationlayer.AltaDocument

Make this view invisible

ferInvisible() - Method in class presentationlayer.AltaExpBooleana

Makes this view invisible

All Classes

ferInvisible() - Method in class presentationlayer.BaixaDocument
Make this view invisible

ferInvisible() - Method in class presentationlayer.BaixaExpBooleana
Makes this view invisible

ferInvisible() - Method in class presentationlayer.CarregarDocument
Make this view visible

ferInvisible() - Method in class presentationlayer.GuardarDocument
Make this view invisible

ferInvisible() - Method in class presentationlayer.LlistarBool
Fa la vista secundÀria invisible

ferInvisible() - Method in class presentationlayer.LlistarDocAut
Fa la vista secundÀria invisible

ferInvisible() - Method in class presentationlayer.LlistarPrefix
Fa la vista secundÀria invisible

ferInvisible() - Method in class presentationlayer.LlistarSemb
Fa la vista secundÀria invisible

ferInvisible() - Method in class presentationlayer.ModificarDocument
Make this view invisible

ferInvisible() - Method in class presentationlayer.ModificarExpBooleana
Makes this view invisible

ferInvisible() - Method in class presentationlayer.MostrarContingut
Make this view invisible

ferInvisible() - Method in class presentationlayer.VistaPrincipal
Make this view invisible

ferVisible() - Method in class presentationlayer.AltaDocument
Make this view visible

ferVisible() - Method in class presentationlayer.AltaExpBooleana
Makes this view visible

ferVisible() - Method in class presentationlayer.BaixaDocument
Make this view visible

ferVisible() - Method in class presentationlayer.BaixaExpBooleana
Makes this view visible

ferVisible() - Method in class presentationlayer.CarregarDocument
Make this view visible

ferVisible() - Method in class presentationlayer.GuardarDocument
Make this view visible

ferVisible() - Method in class presentationlayer.LlistarBool
Fa la vista secundÀria visible

ferVisible() - Method in class presentationlayer.LlistarDocAut
Fa la vista secundÀria visible

ferVisible() - Method in class presentationlayer.LlistarPrefix
Fa la vista secundÀria visible

ferVisible() - Method in class presentationlayer.LlistarSemb
Fa la vista secundÀria visible

ferVisible() - Method in class presentationlayer.ModificarDocument
Make this view visible

ferVisible() - Method in class presentationlayer.ModificarExpBooleana
Makes this view visible

ferVisible() - Method in class presentationlayer.MostrarContingut
Make this view visible

ferVisible() - Method in class presentationlayer.VistaPrincipal

All Classes

Make this view visible

fileChooser - Variable in class presentationlayer.CarregarDocument

File Chooser for choosing the oath of the file

FolderNotFoundException - Exception in utils.exceptions.database

FolderNotFoundException() - Constructor for exception utils.exceptions.database.FolderNotFoundException

Default constructor

FolderNotFoundException(String) - Constructor for exception

utils.exceptions.database.FolderNotFoundException

Constructor with a message propagated

format - Variable in class domainlayer.model.Document

Format of the Document

format - Variable in class utils.PseudoDocument

G

generate_id() - Method in class utils.BiMap

get(Integer) - Method in class utils.BiMap

get(PseudoDocument) - Method in class utils.BiMap

get_ autor() - Method in class domainlayer.model.Document

This function returns the author of the Document

get_ autor() - Method in class utils.PseudoDocument

get_ BoolExpression(String) - Method in class datalayer.CtrlBoolExpressionMem

get_ BoolExpression(String) - Method in class domainlayer.controllers.CtrlDomini

Get Bool Expression

get_ BoolExpression(String) - Method in interface domainlayer.datainterface.CtrlBoolExpression

Get BoolExpression

get_content_folder() - Method in class database.DocumentFile

get_contingut() - Method in class domainlayer.model.Document

This function returns the content of the Document

get_data_folder() - Method in class database.DocumentFile

get_format() - Method in class domainlayer.model.Document

This function returns the format of the Document

get_format() - Method in class utils.PseudoDocument

get_id2doc() - Method in class database.DocumentFile

get_llista_aparicions() - Method in class datalayer.CtrlDocumentMem

get_llista_aparicions() - Method in interface domainlayer.datainterface.CtrlDocument

Instances of words

get_llista_metriques() - Method in class domainlayer.model.Document

All Classes

This function returns the list of metrics of the Document
[get_llista_metriques\(\)](#) - Method in class domainlayer.model.[RepVec](#)

[get_llista_paraules\(\)](#) - Method in class domainlayer.model.[Document](#)

This function returns the list of words of the Document
[get_llista_paraules\(\)](#) - Method in class domainlayer.model.[RepVec](#)

[get_num_doc\(\)](#) - Method in class database.[DocumentFile](#)

[get_num_doc\(\)](#) - Method in interface datalayer.databaseinterface.[DocumentDB](#)
Get Number of docs in database

[get_num_documents\(\)](#) - Method in class datalayer.[CtrlDocumentMem](#)

[get_num_documents\(\)](#) - Method in interface domainlayer.datainterface.[CtrlDocument](#)
Number of Documents

[get_num_paraules\(\)](#) - Method in class domainlayer.model.[RepVec](#)

[get_repvec\(\)](#) - Method in class domainlayer.model.[Document](#)

This function returns the repvec of the Document
[get_repvec_folder\(\)](#) - Method in class database.[DocumentFile](#)

[get_titol\(\)](#) - Method in class domainlayer.model.[Document](#)

This function returns the title of the Document
[get_titol\(\)](#) - Method in class utils.[PseudoDocument](#)

[getBoolExpressionDB\(\)](#) - Method in class datalayer.databaseinterface.[FactoriaDB](#)
Get BoolExpression database controller

[getContingut\(String, String\)](#) - Method in class presentationlayer.[CtrlPresentacio](#)
Retorna el contingut d'un document

[getCtrlBoolExpression\(\)](#) - Method in class domainlayer.datainterface.[FactoriaCtrl](#)
Get BoolExpression Controller

[getCtrlDocument\(\)](#) - Method in class domainlayer.datainterface.[FactoriaCtrl](#)
Get Document Controller

[getDoc\(String, String\)](#) - Method in class datalayer.[CtrlDocumentMem](#)

[getDoc\(String, String\)](#) - Method in interface domainlayer.datainterface.[CtrlDocument](#)
Get Document

[getDocumentDB\(\)](#) - Method in class datalayer.databaseinterface.[FactoriaDB](#)
Get Document database controller

[getExpBool\(String\)](#) - Method in class presentationlayer.[CtrlPresentacio](#)
Retorna el arbre d'una expressiÃ³ booleana

[getExtension\(String\)](#) - Method in class utils.[Composar](#)

[getExtension\(String\)](#) - Method in class utils.[Parseig](#)

[getInstance\(\)](#) - Static method in class datalayer.databaseinterface.[FactoriaDB](#)
Get Instance

[getInstance\(\)](#) - Static method in class domainlayer.controllers.[CtrlDomini](#)

[getInstance\(\)](#) - Static method in class domainlayer.datainterface.[FactoriaCtrl](#)
Get Instance

All Classes

getllistatAutors(String) - Method in class presentationlayer.CtrlPresentacio

Retorna el llistat d'autors que comencen per un prefix

getllistatBool(String) - Method in class presentationlayer.CtrlPresentacio

Retorna el llistat de documents en els que es compleix l'expressiÃ³ booleana

getllistatSembl(String, String, Integer) - Method in class presentationlayer.CtrlPresentacio

Retorna el llistat de documents ordenats per semblanÃ§a

getllistatTitols(String) - Method in class presentationlayer.CtrlPresentacio

Retorna el llistat de títols d'un autor

getType() - Method in exception utils.exceptions.boolexpression.BoolExpressionCampNullException

getType() - Method in exception utils.exceptions.boolexpression.BoolExpressionException

getType() - Method in exception

utils.exceptions.boolexpression.BoolExpressionIdentificadorJaExisteixException

getType() - Method in exception

utils.exceptions.boolexpression.BoolExpressionIdentificadorNoExisteixException

getType() - Method in exception utils.exceptions.boolexpression.InvalidLiteralException

getType() - Method in exception utils.exceptions.boolexpression.InvalidSequenceException

getType() - Method in exception utils.exceptions.boolexpression.InvalidSetException

getType() - Method in exception utils.exceptions.boolexpression.WronglyParenthesizedException

getType() - Method in exception utils.exceptions.CustomException

getType() - Method in exception utils.exceptions.database.DatabaseException

getType() - Method in exception utils.exceptions.database.DatabaseInconsistentException

getType() - Method in exception utils.exceptions.database.FolderNotFoundException

getType() - Method in exception utils.exceptions.document.AutorNoExisteixException

getType() - Method in exception utils.exceptions.document.AutorTitolJaExisteixException

getType() - Method in exception utils.exceptions.document.AutorTitolNoExisteixException

getType() - Method in exception utils.exceptions.document.DocumentCampNullException

getType() - Method in exception utils.exceptions.document.DocumentException

guardar_document(String, String, String) - Method in class domainlayer.controllers.CtrlDomini

Guarda el document a una ubicaciÃ³ de l'ordinador en txt, xml o en json.

guardar_document(String, String, String, String) - Method in class utils.Composar

guardarDocument - Variable in class presentationlayer.CtrlPresentacio

Instancia de guardarDocument

guardarDocument(String, String, String) - Method in class presentationlayer.CtrlPresentacio

All Classes

Guarda un document a la base de dades

GuardarDocument - Class in presentationlayer

GuardarDocument(CtrlPresentacio) - Constructor for class presentationlayer.GuardarDocument

H

hashCode() - Method in class utils.PseudoDocument

I

iCtrlPresentacio - Variable in class presentationlayer.AltaDocument

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.AltaExpBooleana

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.BaixaDocument

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.BaixaExpBooleana

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.CarregarDocument

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.GuardarDocument

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.LlistarBool

Instancia de Ctrl presentaciÃ³

iCtrlPresentacio - Variable in class presentationlayer.LlistarDocAut

Instancia de Ctrl presentaciÃ³

iCtrlPresentacio - Variable in class presentationlayer.LlistarPrefix

Instancia de Ctrl presentaciÃ³

iCtrlPresentacio - Variable in class presentationlayer.LlistarSemb

Instancia de Ctrl presentaciÃ³

iCtrlPresentacio - Variable in class presentationlayer.ModificarDocument

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.ModificarExpBooleana

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.MostrarContingut

Instance of the presentation controller

iCtrlPresentacio - Variable in class presentationlayer.VistaPrincipal

Instance of the presentation controller

id2doc - Variable in class database.DocumentFile

Container that stores the translations between IDs in Database and Documents

imprimir_llista_metriques() - Method in class domainlayer.model.RepVec

Prints llista_metriques

imprimir_llista_paraules() - Method in class domainlayer.model.Document

This function prints the list of words of the Document

imprimir_llista_paraules() - Method in class domainlayer.model.RepVec

Prints llista_paraules

increment(int) - Method in class domainlayer.model.BoolExpression.Cursor

All Classes

inicialitzar_stop_words() - Static method in class domainlayer.model.RepVec

Initializes the stop_words set with the stop words

inicialitzarPresentacio() - Method in class presentationlayer.CtrlPresentacio

Inicialitza i fa visible la vista principal

init_database(String) - Method in class database.BoolExpressionFile

init_database(String) - Method in class database.DocumentFile

init_database(String) - Method in interface datalayer.databaseinterface.BoolExpressionDB

Initialize the Database

init_database(String) - Method in interface datalayer.databaseinterface.DocumentDB

Initialize Database

initComponents() - Method in class presentationlayer.AltaDocument

Initialization of all the components in the view

initComponents() - Method in class presentationlayer.AltaExpBooleana

Initializes all the view components

initComponents() - Method in class presentationlayer.BaixaDocument

Initialization of all the components in the view

initComponents() - Method in class presentationlayer.BaixaExpBooleana

Initializes all the view components

initComponents() - Method in class presentationlayer.CarregarDocument

Initialization of all the components in the view

initComponents() - Method in class presentationlayer.GuardarDocument

Initialization of all the components in the view

initComponents() - Method in class presentationlayer.LlistarBool

Inicialitza tots els components de la vista

initComponents() - Method in class presentationlayer.LlistarDocAut

Inicialitza tots els components de la vista

initComponents() - Method in class presentationlayer.LlistarPrefix

Inicialitza tots els components de la vista

initComponents() - Method in class presentationlayer.LlistarSemb

Inicialitza tots els components de la vista

initComponents() - Method in class presentationlayer.ModificarDocument

Initialization of all the components in the view

initComponents() - Method in class presentationlayer.ModificarExpBooleana

Initializes all the view components

initComponents() - Method in class presentationlayer.MostrarContingut

Initialization of all the components in the view

initComponents() - Method in class presentationlayer.VistaPrincipal

insert(Document) - Method in class database.DocumentFile

insert(Document) - Method in interface datalayer.databaseinterface.DocumentDB

Insert Document on Database

insert(String, String) - Method in class database.BoolExpressionFile

insert(String, String) - Method in interface datalayer.databaseinterface.BoolExpressionDB

Insert BoolExpression in Database

InvalidLiteralException - Exception in utils.exceptions.boolexpression

All Classes

[InvalidLiteralException\(\)](#) - Constructor for exception `utils.exceptions.boolexpression.InvalidLiteralException`
Default Constructor

[InvalidLiteralException\(String\)](#) - Constructor for exception `utils.exceptions.boolexpression.InvalidLiteralException`
Constructor with a message propagated

[InvalidSequenceException](#) - Exception in `utils.exceptions.boolexpression`

[InvalidSequenceException\(\)](#) - Constructor for exception `utils.exceptions.boolexpression.InvalidSequenceException`
Default Constructor

[InvalidSequenceException\(String\)](#) - Constructor for exception `utils.exceptions.boolexpression.InvalidSequenceException`
Constructor with a message propagated

[InvalidSetException](#) - Exception in `utils.exceptions.boolexpression`

[InvalidSetException\(\)](#) - Constructor for exception `utils.exceptions.boolexpression.InvalidSetException`
Default Constructor

[InvalidSetException\(String\)](#) - Constructor for exception `utils.exceptions.boolexpression.InvalidSetException`
Constructor with a message propagated

[is_parsed\(\)](#) - Method in class `domainlayer.model.BoolExpression`
Check if BoolExpression is parsed in memory

[is_sequence_in\(String\[\], int\)](#) - Method in class `domainlayer.model.RepVec`

[is_word_in\(String\)](#) - Method in class `domainlayer.model.RepVec`

[isOp\(String\)](#) - Static method in class `domainlayer.model.BoolExpression`
Check if a value is an operator <>

J

[jLabel4](#) - Variable in class `presentationlayer.AltaDocument`
Label with the ALTA DOCUMENT text

[jMenu2](#) - Variable in class `presentationlayer.VistaPrincipal`

[jMenu4](#) - Variable in class `presentationlayer.VistaPrincipal`

[jMenuBar1](#) - Variable in class `presentationlayer.VistaPrincipal`

[jPanel1](#) - Variable in class `presentationlayer.AltaDocument`
Panel with parts of the view

[jPanel1](#) - Variable in class `presentationlayer.AltaExpBooleana`
Panel that contents the visible components

[jPanel1](#) - Variable in class `presentationlayer.BaixaExpBooleana`
Panel that contents the visible components

[jPanel1](#) - Variable in class `presentationlayer.CarregarDocument`
Panel with parts of the view

[jPanel1](#) - Variable in class `presentationlayer.GuardarDocument`
Panel with parts of the view

[jPanel1](#) - Variable in class `presentationlayer.LlistarBool`
Panel que contÃ© els components visibles

All Classes

- jPanel1 - Variable in class presentationlayer.LlistarDocAut
Panel que cont  els components visibles
- jPanel1 - Variable in class presentationlayer.LlistarPrefix
Panel que cont  els components visibles
- jPanel1 - Variable in class presentationlayer.LlistarSemb
Panel que cont  els components visibles
- jPanel1 - Variable in class presentationlayer.ModificarDocument
Panel with parts of the view
- jPanel1 - Variable in class presentationlayer.ModificarExpBooleana
Panel that contents the visible components
- jPanel1 - Variable in class presentationlayer.MostrarContingut
Panel with parts of the view
- jPanel1 - Variable in class presentationlayer.VistaPrincipal
- jPanel2 - Variable in class presentationlayer.AltaDocument
Panel with parts of the view
- jPanel2 - Variable in class presentationlayer.AltaExpBooleana
Panel that contents the visible components
- jPanel2 - Variable in class presentationlayer.BaixaExpBooleana
Panel that contents the visible components
- jPanel2 - Variable in class presentationlayer.GuardarDocument
Panel with parts of the view
- jPanel2 - Variable in class presentationlayer.LlistarBool
Panel with parts of the view
- jPanel2 - Variable in class presentationlayer.ModificarDocument
Panel with parts of the view
- jPanel2 - Variable in class presentationlayer.ModificarExpBooleana
Panel that contents the visible components
- jPanel3 - Variable in class presentationlayer.AltaDocument
Panel with parts of the view
- jPanel3 - Variable in class presentationlayer.AltaExpBooleana
Panel that contents the visible components
- jPanel3 - Variable in class presentationlayer.BaixaDocument
Panel with parts of the view
- jPanel3 - Variable in class presentationlayer.BaixaExpBooleana
Panel that contents the visible components
- jPanel3 - Variable in class presentationlayer.ModificarExpBooleana
Panel that contents the visible components
- jPanel4 - Variable in class presentationlayer.AltaDocument
Panel with parts of the view
- jPanel4 - Variable in class presentationlayer.AltaExpBooleana
Panel that contents the visible components
- jPanel4 - Variable in class presentationlayer.BaixaDocument
Panel with parts of the view
- jPanel4 - Variable in class presentationlayer.BaixaExpBooleana
Panel that contents the visible components
- jPanel4 - Variable in class presentationlayer.ModificarExpBooleana
Panel that contents the visible components
- jPanel5 - Variable in class presentationlayer.BaixaDocument
Panel with parts of the view
- jScrollPane1 - Variable in class presentationlayer.AltaDocument

All Classes

Scroll Panel with parts of the view

jScrollPane1 - Variable in class presentationlayer.AltaExpBooleana

Scroll pane for the boolean expression tree

jScrollPane1 - Variable in class presentationlayer.CarregarDocument

Scroll Panel with parts of the view

jScrollPane1 - Variable in class presentationlayer.LlistarBool

Permetre 'scroll' entre el llistat de documents

jScrollPane1 - Variable in class presentationlayer.LlistarDocAut

Permetre 'scroll' entre el llistat de documents

jScrollPane1 - Variable in class presentationlayer.LlistarPrefix

Permetre 'scroll' entre el llistat d'autors

jScrollPane1 - Variable in class presentationlayer.LlistarSemb

Permetre 'scroll' entre el llistat de documents

jScrollPane1 - Variable in class presentationlayer.ModificarExpBooleana

Scroll pane for the boolean expression tree

jScrollPane1 - Variable in class presentationlayer.MostrarContingut

Scroll Panel with parts of the view

jScrollPane1 - Variable in class presentationlayer.VistaPrincipal

jScrollPane2 - Variable in class presentationlayer.LlistarBool

Scroll Panel with parts of the view

jScrollPane2 - Variable in class presentationlayer.ModificarDocument

Scroll Panel with parts of the view

jsontoStrings(String) - Method in class utils.Parseig

K

k1 to k2 - Variable in class utils.BiMap

k2 to k1 - Variable in class utils.BiMap

L

labelAutor - Variable in class presentationlayer.AltaDocument

Label with the Autor text

labelAutor - Variable in class presentationlayer.BaixaDocument

Label with the Autor text

labelAutor - Variable in class presentationlayer.GuardarDocument

Label with the Autor text

labelAutor - Variable in class presentationlayer.LlistarDocAut

Textos no editables (Autor)

labelAutor - Variable in class presentationlayer.LlistarPrefix

Textos no editables (Autor)

labelAutor - Variable in class presentationlayer.LlistarSemb

Textos no editables (Autor)

labelAutor - Variable in class presentationlayer.ModificarDocument

Label with the Autor text

labelAutor - Variable in class presentationlayer.MostrarContingut

All Classes

Label with the Autor text

labelBorrar - Variable in class presentationlayer.BaixaDocument

Label with the BORRAR DOCUMENT text

labelCarregar - Variable in class presentationlayer.CarregarDocument

Label with the CARREGAR DOCUMENT text

labelContingut - Variable in class presentationlayer.AltaDocument

Label with the Contingut text

labelEstat - Variable in class presentationlayer.AltaDocument

Label with the state

labelEstat - Variable in class presentationlayer.AltaExpBooleana

Non-editable text

labelEstat - Variable in class presentationlayer.BaixaDocument

Label with the state

labelEstat - Variable in class presentationlayer.BaixaExpBooleana

Non-editable text

labelEstat - Variable in class presentationlayer.CarregarDocument

Label with the state

labelEstat - Variable in class presentationlayer.GuardarDocument

Label with the state

labelEstat - Variable in class presentationlayer.LlistarBool

Label with the state

labelEstat - Variable in class presentationlayer.ModificarDocument

Label with the state

labelEstat - Variable in class presentationlayer.ModificarExpBooleana

Non-editable text

labelEstat - Variable in class presentationlayer.MostrarContingut

Label with the state

labelEstat - Variable in class presentationlayer.VistaPrincipal

labelExplicacio - Variable in class presentationlayer.BaixaDocument

Label with the explanation

labelExplicacio - Variable in class presentationlayer.CarregarDocument

Label with the explanation

labelExpr - Variable in class presentationlayer.LlistarBool

Textos no editables (ExpressiÃ³)

labelGuardar - Variable in class presentationlayer.GuardarDocument

Label with the Guardar text

labelK - Variable in class presentationlayer.LlistarSemb

Textos no editables (K)

labelMenu - Variable in class presentationlayer.AltaExpBooleana

Non-editable text

labelMenu - Variable in class presentationlayer.BaixaExpBooleana

Non-editable text

labelMenu - Variable in class presentationlayer.ModificarExpBooleana

Non-editable text

labelModificar - Variable in class presentationlayer.ModificarDocument

Label with the MODIFICAR DOCUMENT text

labelMostrar - Variable in class presentationlayer.LlistarBool

Textos no editables (Mostrar)

labelMostrar - Variable in class presentationlayer.LlistarDocAut

Textos no editables (Mostrar)

All Classes

- labelMostrar - Variable in class presentationlayer.LlistarPrefix
Textos no editables (Mostrar)
- labelMostrar - Variable in class presentationlayer.LlistarSemb
Textos no editables (Mostrar)
- labelMostrar - Variable in class presentationlayer.MostrarContingut
Label with the MOSTRAR CONTINGUT text
- labelNom - Variable in class presentationlayer.AltaExpBooleana
Non-editable text
- labelNom - Variable in class presentationlayer.BaixaExpBooleana
Non-editable text
- labelNom - Variable in class presentationlayer.ModificarExpBooleana
Non-editable text
- labelQuery - Variable in class presentationlayer.AltaExpBooleana
Non-editable text
- labelQuery - Variable in class presentationlayer.ModificarExpBooleana
Non-editable text
- labelSegur - Variable in class presentationlayer.VistaPrincipal
- labelTitol - Variable in class presentationlayer.AltaDocument
Label with the Titol text
- labelTitol - Variable in class presentationlayer.BaixaDocument
Label with the Titol text
- labelTitol - Variable in class presentationlayer.GuardarDocument
Label with the Titol text
- labelTitol - Variable in class presentationlayer.LlistarSemb
Textos no editables (Titol)
- labelTitol - Variable in class presentationlayer.ModificarDocument
Label with the Titol text
- labelTitol - Variable in class presentationlayer.MostrarContingut
Label with the Titol text
- labelUbicacio - Variable in class presentationlayer.GuardarDocument
Label with the UbicaciÃ³ text
- left_son - Variable in class domainlayer.model.BoolExpression.node
Reference to the left son of the node in the AST, can be null
- llista_metriques - Variable in class domainlayer.model.RepVec
List of the metrics for every word
- llista_paraules - Variable in class domainlayer.model.RepVec
List of the words in the document
- llistaAparicions - Variable in class datalayer.CtrlDocumentMem
List of all the words in all the Documents and the number of times they appear
- llistar_documents() - Method in class datalayer.CtrlDocumentMem
- llistar_documents() - Method in interface domainlayer.datainterface.CtrlDocument
Get All Documents
- llistar_titols_unautor(String) - Method in class datalayer.CtrlDocumentMem
- llistar_titols_unautor(String) - Method in class domainlayer.controllers.CtrlDomini
Crea el controlador de documents y posteriormet al mÃ³dode llistar_titols_unautor amb els parÃ metres corresponents.
- llistar_titols_unautor(String) - Method in interface domainlayer.datainterface.CtrlDocument
List Title for Author

All Classes

[l·listarBool](#) - Variable in class presentationlayer.[CtrlPresentacio](#)

Instancia de l·listarBool

[L·listarBool](#) - Class in [presentationlayer](#)

[L·listarBool\(CtrlPresentacio\)](#) - Constructor for class presentationlayer.[L·listarBool](#)

[l·listarDocAut](#) - Variable in class presentationlayer.[CtrlPresentacio](#)

Instancia de l·listarDocAut

[L·listarDocAut](#) - Class in [presentationlayer](#)

[L·listarDocAut\(CtrlPresentacio\)](#) - Constructor for class presentationlayer.[L·listarDocAut](#)

[l·listarPrefix](#) - Variable in class presentationlayer.[CtrlPresentacio](#)

Instancia de l·listarPrefix

[l·listarPrefix\(String\)](#) - Method in class datalayer.[CtrlDocumentMem](#)

[l·listarPrefix\(String\)](#) - Method in class domainlayer.controllers.[CtrlDomini](#)

Crea el controlador de documents y posteriormente al mÃ³dulo l·listarPrefix amb els parÃ£metres corresponents.

[l·listarPrefix\(String\)](#) - Method in interface domainlayer.datainterface.[CtrlDocument](#)

List by prefix

[L·listarPrefix](#) - Class in [presentationlayer](#)

[L·listarPrefix\(CtrlPresentacio\)](#) - Constructor for class presentationlayer.[L·listarPrefix](#)

[l·listarSemb](#) - Variable in class presentationlayer.[CtrlPresentacio](#)

Instancia de l·listarSemb

[L·listarSemb](#) - Class in [presentationlayer](#)

[L·listarSemb\(CtrlPresentacio\)](#) - Constructor for class presentationlayer.[L·listarSemb](#)

[l·listatDoc](#) - Variable in class datalayer.[CtrlDocumentMem](#)

Container for all the Documents in memory

[load_content\(Document\)](#) - Method in class database.[DocumentFile](#)

[load_content\(Document\)](#) - Method in interface datalayer.databaseinterface.[DocumentDB](#)

Load Content from existing Document on database

M

[map](#) - Variable in class database.[BoolExpressionFile](#)

Map stored in map_file, which translates from BoolExpression name to query

[map_file](#) - Variable in class database.[BoolExpressionFile](#)

Reference to map file

[max_id](#) - Variable in class utils.[BiMap](#)

[menuDocuments](#) - Variable in class presentationlayer.[VistaPrincipal](#)

[menuitemalta](#) - Variable in class presentationlayer.[VistaPrincipal](#)

All Classes

menuItemaltaActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to AltaDocument view

menuItemaltabool - Variable in class presentationlayer.VistaPrincipal

menuItemaltaboolActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to AltaExpressiÃ³Booleana view

menutembaixabool - Variable in class presentationlayer.VistaPrincipal

menutembaixaboolActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to BaixaExpressiÃ³Booleana view

menutemborrar - Variable in class presentationlayer.VistaPrincipal

menutemborrarActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to BaixaDocument view

menutemcarregar - Variable in class presentationlayer.VistaPrincipal

menutemcarregarActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to CarregarDocument view

menutemguardar - Variable in class presentationlayer.VistaPrincipal

menutemguardarActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to GuardarDocument view

menutemllistarautor - Variable in class presentationlayer.VistaPrincipal

menutemllistarautorActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to LlistarTitolsAutor view

menutemllistarbool - Variable in class presentationlayer.VistaPrincipal

menutemllistarboolActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to LlistarDocumentsPerExpressiÃ³Booleana view

menutemllistarprefix - Variable in class presentationlayer.VistaPrincipal

menutemllistarprefixActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to LlistarDocumentsPerPrefix view

menutemllistarsemblanca - Variable in class presentationlayer.VistaPrincipal

menutemllistarsemblancaActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to LlistarDocumentsPerSemblanÃ§a view

menutemmodActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to ModificarDocument view

menutemmodbool - Variable in class presentationlayer.VistaPrincipal

menutemmodboolActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to ModificarExpressiÃ³Booleana view

menutemmodificar - Variable in class presentationlayer.VistaPrincipal

menutemmostrar - Variable in class presentationlayer.VistaPrincipal

menutemmostrarActionPerformed(ActionEvent) - Method in class presentationlayer.VistaPrincipal

Change to MostrarDocument view

mod_BoolExpression(String, String) - Method in class datalayer.CtrlBoolExpressionMem

All Classes

mod BoolExpression(String, String) - Method in class domainlayer.controllers.CtrlDomini
Crea el controlador d'expressions booleanes y posteriormente al mÃtode mod_BoolExpression amb els parÃmetres corresponents.

mod BoolExpression(String, String) - Method in interface domainlayer.datainterface.CtrlBoolExpression
Modify BoolExpression

mod doc(String) - Method in class domainlayer.model.Document
This function modifies the content of the Document

mod doc(String, String, String) - Method in class datalayer.CtrlDocumentMem

mod doc(String, String, String) - Method in interface domainlayer.datainterface.CtrlDocument
Modify Document

modificar document(String, String, String) - Method in class domainlayer.controllers.CtrlDomini
Crea el controlador de documents y posteriormente al mÃtode mod_doc amb els parÃmetres corresponents.

modificarDocument - Variable in class presentationlayer.CtrlPresentacio
Instancia de modificarDocument

ModificarDocument - Class in presentationlayer

ModificarDocument(CtrlPresentacio) - Constructor for class presentationlayer.ModificarDocument

modificarExpBool(String, String) - Method in class presentationlayer.CtrlPresentacio
Modifica una expressiÃ booleana

modificarExpBooleana - Variable in class presentationlayer.CtrlPresentacio
Instancia de modificarExpBooleana

ModificarExpBooleana - Class in presentationlayer

ModificarExpBooleana(CtrlPresentacio) - Constructor for class presentationlayer.ModificarExpBooleana
Constructs the ModificarExpBooleana view

mostrar contingut(String, String) - Method in class datalayer.CtrlDocumentMem

mostrar contingut(String, String) - Method in class domainlayer.controllers.CtrlDomini
Crea el controlador de documents y posteriormente al mÃtode mostrar_contingut amb els parÃmetres corresponents.

mostrar contingut(String, String) - Method in interface domainlayer.datainterface.CtrlDocument
Returns de Content of a Document in memory, loading it from database if necessary

mostrarContingut - Variable in class presentationlayer.CtrlPresentacio
Instancia de mostrarContingut

MostrarContingut - Class in presentationlayer

MostrarContingut(CtrlPresentacio) - Constructor for class presentationlayer.MostrarContingut

N

nested head - Variable in class domainlayer.model.BoolExpression.node
Boolean value that indicates if the node was parsed form a parenthesized expression, to preserve hierarchy

node() - Constructor for class domainlayer.model.BoolExpression.node

All Classes

num_doc - Variable in class datalayer.CtrlDocumentMem

Number of Documents in memory

num_paraules - Variable in class domainlayer.model.RepVec

Number of words in a document

O

ordenar_per_semblança(String, String, Integer) - Method in class datalayer.CtrlDocumentMem

ordenar_per_semblança(String, String, Integer) - Method in class domainlayer.controllers.CtrlDomini

Crea el controlador de documents y posteriormente al mètode ordenar_per_semblança amb els paràmetres corresponents.

ordenar_per_semblança(String, String, Integer) - Method in interface

domainlayer.datainterface.CtrlDocument

Get Documents by similarity

P

parent - Variable in class domainlayer.model.BoolExpression

Node element that references the parent of the AST

parse() - Method in class domainlayer.model.BoolExpression

This function parses the BoolExpression into an AST using boolean logic

parse BinTree(List<String>, BoolExpression.Cursor) - Static method in class

domainlayer.model.BoolExpression

Parse an input expression

parsed - Variable in class domainlayer.model.BoolExpression

Field that indicates if the BoolExpression is parsed.

Parseig - Class in utils

Parseig() - Constructor for class utils.Parseig

precedes(BoolExpression.node, BoolExpression.node) - Static method in class

domainlayer.model.BoolExpression

Check for precedence while parsing

presentationlayer - package presentationlayer

print() - Method in class domainlayer.model.BoolExpression

Visual representation of BoolExpression

print() - Method in class utils.DocumentJSON

print() - Method in class utils.RepVecJSON

print2DUtil(BoolExpression.node, int) - Method in class domainlayer.model.BoolExpression

Auxiliar function to print an AST

PseudoDocument - Class in utils

PseudoDocument(String, String, String) - Constructor for class utils.PseudoDocument

put(Integer, PseudoDocument) - Method in class utils.BiMap

O

All Classes

put(PseudoDocument) - Method in class utils.BiMap

put(PseudoDocument, Integer) - Method in class utils.BiMap

Q

query - Variable in class domainlayer.model.BoolExpression
Boolean query from which the AST is derived

R

remove(PseudoDocument) - Method in class utils.BiMap

repvec - Variable in class domainlayer.model.Document
Information about the content of the Document

RepVec - Class in domainlayer.model

RepVec(String, String) - Constructor for class domainlayer.model.RepVec

RepVec(TreeMap<String, ArrayList<Integer>>, int) - Constructor for class domainlayer.model.RepVec

repvec_folder - Variable in class database.DocumentFile

Reference to DATA/RepVec folder, where the representations of Documents are stored

RepVecJSON - Class in utils

RepVecJSON() - Constructor for class utils.RepVecJSON

RepVecJSON(RepVec) - Constructor for class utils.RepVecJSON

RepVecJSON(JSONObject) - Constructor for class utils.RepVecJSON

reset() - Method in class database.BoolExpressionFile

reset() - Method in class database.DocumentFile

reset() - Method in class datalayer.CtrlBoolExpressionMem

reset() - Method in class datalayer.CtrlDocumentMem

reset() - Method in interface datalayer.databaseinterface.BoolExpressionDB
Reset Functionality, resets the whole database of BoolExpressions

reset() - Method in interface datalayer.databaseinterface.DocumentDB
Reset Functionality, resets the whole database of Documents

reset() - Method in class domainlayer.controllers.CtrlDomini
Reset Functionality, deletes all Documents and BoolExpressions

reset() - Method in interface domainlayer.datainterface.CtrlBoolExpression
Reset Functionality.

reset() - Method in interface domainlayer.datainterface.CtrlDocument

All Classes

reset() - Method in class presentationlayer.CtrlPresentacio

Fa un reset del sistema

right_son - Variable in class domainlayer.model.BoolExpression.node

Reference to the right son of the node in the AST, can be null

S

set_contingut(String) - Method in class domainlayer.model.Document

This function sets c as the content of the Document

setContingut(String, String, String) - Method in class presentationlayer.CtrlPresentacio

Modifica el contingut d'un document

sincronitzarAltaDocumentAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria altaDocument a vistaPrincipal

sincronitzarAltaExpBooleanaAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria AltaExpBooleana a vistaPrincipal

sincronitzarBaixaDocumentAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria BaixaDocument a vistaPrincipal

sincronitzarBaixaExpBooleanaAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria BaixaExpBooleana a vistaPrincipal

sincronitzarCarregarDocumentAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria CarregarDocument a vistaPrincipal

sincronitzarGuardarDocumentAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria GuardarDocument a vistaPrincipal

sincronitzarLlistarBoolAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria LlistarBool a vistaPrincipal

sincronitzarLlistarPrefixAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria LlistarPrefix a vistaPrincipal

sincronitzarLlistarSembAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria LlistarSemb a vistaPrincipal

sincronitzarLlistDocAutAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria LlistDocAut a vistaPrincipal

sincronitzarModificarDocumentAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria ModificarDocument a vistaPrincipal

sincronitzarModificarExpBooleanaAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria ModificarExpBooleana a vistaPrincipal

sincronitzarMostrarContingutAVistaPrincipal() - Method in class presentationlayer.CtrlPresentacio

Passar de vista secundaria MostrarContingut a vistaPrincipal

sincronitzarVistaPrincipalAAaltaDocument() - Method in class presentationlayer.CtrlPresentacio

Passar de vista principal a vista secund ria altaDocument

sincronitzarVistaPrincipalAAaltaExpBooleana() - Method in class presentationlayer.CtrlPresentacio

Passar de vista principal a vista secund ria AltaExpBooleana

sincronitzarVistaPrincipalABaixaDocument() - Method in class presentationlayer.CtrlPresentacio

Passar de vista principal a vista secund ria BaixaDocument

sincronitzarVistaPrincipalABaixaExpBooleana() - Method in class presentationlayer.CtrlPresentacio

Passar de vista principal a vista secund ria BaixaExpBooleana

sincronitzarVistaPrincipalACarregarDocument() - Method in class presentationlayer.CtrlPresentacio

Passar de vista principal a vista secund ria CarregarDocument

sincronitzarVistaPrincipalAGuardarDocument() - Method in class presentationlayer.CtrlPresentacio

Passar de vista principal a vista secund ria GuardarDocument

sincronitzarVistaPrincipalALlistarBool() - Method in class presentationlayer.CtrlPresentacio

All Classes

Passar de vista principal a vista secundÀria LlistarBool
sincronitzarVistaPrincipalALlistarPrefix() - Method in class presentationlayer.CtrlPresentacio
Passar de vista principal a vista secundÀria LlistarPrefix
sincronitzarVistaPrincipalALlistarSemb() - Method in class presentationlayer.CtrlPresentacio
Passar de vista principal a vista secundÀria LlistarSemb
sincronitzarVistaPrincipalALlistDocAut() - Method in class presentationlayer.CtrlPresentacio
Passar de vista principal a vista secundÀria LlistDocAut
sincronitzarVistaPrincipalAModificarDocument() - Method in class presentationlayer.CtrlPresentacio
Passar de vista principal a vista secundÀria ModificarDocument
sincronitzarVistaPrincipalAModificarExpBooleana() - Method in class presentationlayer.CtrlPresentacio
Passar de vista principal a vista secundÀria ModificarExpBooleana
sincronitzarVistaPrincipalAMostrarContingut() - Method in class presentationlayer.CtrlPresentacio
Passar de vista principal a vista secundÀria MostrarContingut
single_instance - Static variable in class datalayer.databaseinterface.FactoriaDB
Reference to only existing instance of the class.
single_instance - Static variable in class domainlayer.controllers.CtrlDomini
Singleton object CtrlDomini
single_instance - Static variable in class domainlayer.datainterface.FactoriaCtrl
Reference to the only instance that allows this class.
size() - Method in class utils.BiMap

specialChar(Character) - Static method in class domainlayer.model.BoolExpression
Check if a value is an special character <> or is Op
stop_words - Static variable in class domainlayer.model.RepVec
Set with all the stop words
stop_words_initialized - Static variable in class domainlayer.model.RepVec
Bool with true if the set of stop words has been initialized or false if hasn't
stringstoJSON(String, String, String) - Method in class utils.Composar

stringstoTxt(String, String) - Method in class utils.Composar

stringstoXml(String, String) - Method in class utils.Composar

T

textArbre - Variable in class presentationlayer.AltaExpBooleana
Non-editable text
textArbre - Variable in class presentationlayer.ModificarExpBooleana
Non-editable text
textAutor - Variable in class presentationlayer.AltaDocument
Text field where the author is indicated
textAutor - Variable in class presentationlayer.BaixaDocument
Text field where the author is indicated
textAutor - Variable in class presentationlayer.GuardarDocument
Text field where the author is indicated
textAutor - Variable in class presentationlayer.LlistarDocAut
Textos editables (Autor)
textAutor - Variable in class presentationlayer.LlistarPrefix
Textos editables (Autor)

All Classes

- textAutor - Variable in class presentationlayer.LlistarSemb
Textos editables (Autor)
- textAutor - Variable in class presentationlayer.ModificarDocument
Text field where the author is indicated
- textAutor - Variable in class presentationlayer.MostrarContingut
Text field where the author is indicated
- textAutorActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarBool
Llistar els documents corresponents a les expressions booleans introduïdes quan quan el botÃ³ mostrar o enter Ã©s premut.
- textAutorActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarDocAut
Llistar els documents corresponents a l'autor introduït quan quan el botÃ³ mostrar o enter es premut.
- textAutorActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarPrefix
Llistar els autors corresponents al prefix introduït quan quan el botÃ³ mostrar o enter Ã©s premut.
- textAutorActionPerformed(ActionEvent) - Method in class presentationlayer.LlistarSemb
Llistar els documents corresponents quan quan el botÃ³ mostrar o enter Ã©s premut.
- textContingut - Variable in class presentationlayer.AltaDocument
Text area where the content is indicated
- textContingut - Variable in class presentationlayer.LlistarBool
Textos editables (contingut)
- textContingut - Variable in class presentationlayer.LlistarDocAut
Textos editables (Contingut)
- textContingut - Variable in class presentationlayer.LlistarPrefix
Textos editables (Contingut)
- textContingut - Variable in class presentationlayer.LlistarSemb
Textos editables (Contingut)
- textContingut - Variable in class presentationlayer.MostrarContingut
Text area where the content is indicated
- textExplicacio - Variable in class presentationlayer.VistaPrincipal
- textExplicaciÃ³ - Variable in class presentationlayer.CarregarDocument
Text area where the explanation is
- textExpr - Variable in class presentationlayer.LlistarBool
Textos editables (ExpressiÃ³)
- textK - Variable in class presentationlayer.LlistarSemb
Textos editables (K)
- textModificar - Variable in class presentationlayer.ModificarDocument
Text field where the content is indicated and is possible to change it
- textNom - Variable in class presentationlayer.AltaExpBooleana
Editable text
- textNom - Variable in class presentationlayer.BaixaExpBooleana
Editable text
- textNom - Variable in class presentationlayer.ModificarExpBooleana
Editable text
- textQuery - Variable in class presentationlayer.AltaExpBooleana
Editable text
- textQuery - Variable in class presentationlayer.ModificarExpBooleana
Editable text
- textTitol - Variable in class presentationlayer.BaixaDocument
Text field where the title is indicated
- textTitol - Variable in class presentationlayer.GuardarDocument
Text field where the title is indicated

All Classes

textTitol - Variable in class presentationlayer.LlistarSemb

Textos editables (Titol)

textTitol - Variable in class presentationlayer.ModificarDocument

Text field where the title is indicated

textTitol - Variable in class presentationlayer.MostrarContingut

Text field where the title is indicated

textTÃtol - Variable in class presentationlayer.AltaDocument

Text field where the title is indicated

textUbicacio - Variable in class presentationlayer.GuardarDocument

Text field where the path is indicated

titol - Variable in class domainlayer.model.Document

Title of the Document

titol - Variable in class utils.PseudoDocument

toString() - Method in class domainlayer.model.Document

treatment(String) - Static method in class domainlayer.model.BoolExpression

Treat an input expression before parsing

txttoStrings(String) - Method in class utils.Parseig

U

unmarshall() - Method in class utils.DocumentJSON

unmarshall() - Method in class utils.RepVecJSON

update(Document, String) - Method in class database.DocumentFile

update(Document, String) - Method in interface datalayer.databaseinterface.DocumentDB

Upadte Document on Database

update(String, String) - Method in class database.BoolExpressionFile

update(String, String) - Method in interface datalayer.databaseinterface.BoolExpressionDB

Update BoolExpression in Database

utils - package utils

utils.exceptions - package utils.exceptions

utils.exceptions.boolexpression - package utils.exceptions.boolexpression

utils.exceptions.database - package utils.exceptions.database

utils.exceptions.document - package utils.exceptions.document

V

value - Variable in class domainlayer.model.BoolExpression.Cursor

All Classes

value - Variable in class domainlayer.model.BoolExpression.node

Value of the node, which can be an operator or a literal

vistaPrincipal - Variable in class presentationlayer.CtrlPresentacio

Instancia de vistaPrincipal

VistaPrincipal - Class in presentationlayer

VistaPrincipal(CtrlPresentacio) - Constructor for class presentationlayer.VistaPrincipal

Default Contructor

W

WronglyParenthesizedException - Exception in utils.exceptions.boolexpression

WronglyParenthesizedException() - Constructor for exception

utils.exceptions.boolexpression.WronglyParenthesizedException

Default Constructor

WronglyParenthesizedException(String) - Constructor for exception

utils.exceptions.boolexpression.WronglyParenthesizedException

Constructor with a message propagated

X

xmltoStrings(String) - Method in class utils.Parseig

A B C D E F G H I J K L M N O P Q R S T U V W X

All Classes All Packages

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Packages

Package	Description
<u>database</u>	
<u>datalayer</u>	
<u>datalayer.databaseinterface</u>	
<u>domainlayer</u>	
<u>domainlayer.controllers</u>	
<u>domainlayer.datainterface</u>	
<u>domainlayer.model</u>	
<u>presentationlayer</u>	
<u>utils</u>	
<u>utils.exceptions</u>	
<u>utils.exceptions.boolexpression</u>	
<u>utils.exceptions.database</u>	
<u>utils.exceptions.document</u>	
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Hierarchy For All Packages

Package Hierarchies:

- [database](#),
- [datalayer](#),
- [datalayer.databaseinterface](#),
- [domainlayer](#),
- [domainlayer.controllers](#),
- [domainlayer.datainterface](#),
- [domainlayer.model](#),
- [presentationlayer](#),
- [utils](#),
- [utils.exceptions](#),
- [utils.exceptions.boolexpression](#),
- [utils.exceptions.database](#),
- [utils.exceptions.document](#)

Class Hierarchy

- java.lang.Object
 - ◆ java.util.AbstractMap<K, V> (implements java.util.Map<K, V>)
 - ◇ java.util.HashMap<K, V> (implements java.lang.Cloneable, java.util.Map<K, V>, java.io.Serializable)
 - org.json.simple.JSONObject (implements org.json.simple.JSONAware, org.json.simple.JSONStreamAware, java.util.Map<K, V>)
 - [utils.DocumentJSON](#)
 - [utils.RepVecJSON](#)
 - ◆ [utils.BiMap](#)
 - ◆ [domainlayer.model.BoolExpression](#)
 - ◆ [domainlayer.model.BoolExpression.Cursor](#)
 - ◆ [domainlayer.model.BoolExpression.node](#)
 - ◆ [database.BoolExpressionFile](#) (implements [datalayer.databaseinterface.BoolExpressionDB](#))
 - ◆ java.awt.Component (implements java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable)
 - ◇ java.awt.Container
 - java.awt.Window (implements javax.accessibility.Accessible)
 - java.awt.Frame (implements java.awt.MenuContainer)
 - ◆ javax.swing.JFrame (implements javax.accessibility.Accessible, javax.swing.RootPaneContainer, javax.swing.WindowConstants)

All Classes

- ◊ presentationlayer.[AltaDocument](#)
- ◊ presentationlayer.[AltaExpBooleana](#)
- ◊ presentationlayer.[BaixaDocument](#)
- ◊ presentationlayer.[BaixaExpBooleana](#)
- ◊ presentationlayer.[CarregarDocument](#)
- ◊ presentationlayer.[GuardarDocument](#)
- ◊ presentationlayer.[LlistarBool](#)
- ◊ presentationlayer.[LlistarDocAut](#)
- ◊ presentationlayer.[LlistarPrefix](#)
- ◊ presentationlayer.[LlistarSemb](#)
- ◊ presentationlayer.[ModificarDocument](#)
- ◊ presentationlayer.[ModificarExpBooleana](#)
- ◊ presentationlayer.[MostrarContingut](#)
- ◊ presentationlayer.[VistaPrincipal](#)
- ◆ utils.[Composar](#)
- ◆ datalayer.[CtrlBoolExpressionMem](#) (implements domainlayer.datainterface.[CtrlBoolExpression](#))
- ◆ datalayer.[CtrlDocumentMem](#) (implements domainlayer.datainterface.[CtrlDocument](#))
- ◆ domainlayer.controllers.[CtrlDomini](#)
- ◆ presentationlayer.[CtrlPresentacio](#)
- ◆ domainlayer.model.[Document](#)
- ◆ database.[DocumentFile](#) (implements datalayer.databaseinterface.[DocumentDB](#))
- ◆ domainlayer.datainterface.[FactoriaCtrl](#)
- ◆ datalayer.databaseinterface.[FactoriaDB](#)
- ◆ utils.[Parseig](#)
- ◆ utils.[PseudoDocument](#)
- ◆ domainlayer.model.[RepVec](#)
- ◆ java.lang.Throwable (implements java.io.Serializable)
 - ◊ java.lang.Exception
 - utils.exceptions.[CustomException](#)
 - utils.exceptions.boolexpression.[BoolExpressionException](#)
 - ◆ utils.exceptions.boolexpression.[BoolExpressionCampNullException](#)
 - ◆ utils.exceptions.boolexpression.[BoolExpressionIdentificadorJaExisteixException](#)
 - ◆ utils.exceptions.boolexpression.[BoolExpressionIdentificadorNoExisteixException](#)
 - ◆ utils.exceptions.boolexpression.[InvalidLiteralException](#)
 - ◆ utils.exceptions.boolexpression.[InvalidSequenceException](#)
 - ◆ utils.exceptions.boolexpression.[InvalidSetException](#)
 - ◆ utils.exceptions.boolexpression.[WronglyParenthesizedException](#)
 - utils.exceptions.database.[DatabaseException](#)
 - ◆ utils.exceptions.database.[DatabaseInconsistentException](#)
 - ◆ utils.exceptions.database.[FolderNotFoundException](#)
 - utils.exceptions.document.[DocumentException](#)
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Serialized Form

• Package presentationlayer

- ♦ Class [presentationlayer.AltaDocument](#) extends [javax.swing.JFrame](#) implements [Serializable](#)

♦ Serialized Fields

· buttonCrear

```
javax.swing.JButton buttonCrear
```

Button Crear for creating a new document

All Classes

· **buttonInici**

```
javax.swing.JButton buttonInici
```

Button Inici for returning to main screen

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jLabel4**

```
javax.swing.JLabel jLabel4
```

Label with the ALTA DOCUMENT text

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel with parts of the view

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel with parts of the view

· **jPanel3**

```
javax.swing.JPanel jPanel3
```

Panel with parts of the view

· **jPanel4**

```
javax.swing.JPanel jPanel4
```

Panel with parts of the view

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Scroll Panel with parts of the view

· **labelAutor**

```
javax.swing.JLabel labelAutor
```

Label with the Autor text

· **labelContingut**

```
javax.swing.JLabel labelContingut
```

Label with the Contingut text

All Classes

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Label with the state

· **labelTitol**

```
javax.swing.JLabel labelTitol
```

Label with the Titol text

· **textAutor**

```
javax.swing.JTextField textAutor
```

Text field where the author is indicated

· **textContingut**

```
javax.swing.JTextArea textContingut
```

Text area where the content is indicated

· **textTÀ-tol**

```
javax.swing.JTextField textTÀ-tol
```

Text field where the title is indicated

♦ **Class presentationlayer.AltaExpBooleana extends javax.swing.JFrame implements Serializable**

♦ **Serialized Fields**

· **buttonAlta**

```
javax.swing.JButton buttonAlta
```

Alta button to add a boolean expression

· **buttonCancela**

```
javax.swing.JButton buttonCancela
```

Cancela button to cancel

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel that contents the visible components

All Classes

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel that contents the visible components

· **jPanel3**

```
javax.swing.JPanel jPanel3
```

Panel that contents the visible components

· **jPanel4**

```
javax.swing.JPanel jPanel4
```

Panel that contents the visible components

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Scroll pane for the boolean expression tree

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Non-editable text

· **labelMenu**

```
javax.swing.JLabel labelMenu
```

Non-editable text

· **labelNom**

```
javax.swing.JLabel labelNom
```

Non-editable text

· **labelQuery**

```
javax.swing.JLabel labelQuery
```

Non-editable text

· **textArbre**

```
javax.swing.JTextArea textArbre
```

Non-editable text

· **textNom**

```
javax.swing.JTextField textNom
```

Editable text

All Classes

· **textQuery**

`javax.swing.JTextField textQuery`

Editable text

♦ **Class presentationlayer.BaixaDocument extends `javax.swing.JFrame` implements `Serializable`**

◇ **Serialized Fields**

· **buttonBorrar**

`javax.swing.JButton buttonBorrar`

Button Crear for erasing a document

· **buttonInici**

`javax.swing.JButton buttonInici`

Button Inici for returning to main screen

· **iCtrlPresentacio**

`CtrlPresentacio iCtrlPresentacio`

Instance of the presentation controller

· **jPanel3**

`javax.swing.JPanel jPanel3`

Panel with parts of the view

· **jPanel4**

`javax.swing.JPanel jPanel4`

Panel with parts of the view

· **jPanel5**

`javax.swing.JPanel jPanel5`

Panel with parts of the view

· **labelAutor**

`javax.swing.JLabel labelAutor`

Label with the Autor text

· **labelBorrar**

`javax.swing.JLabel labelBorrar`

Label with the BORRAR DOCUMENT text

All Classes

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Label with the state

· **labelExplicacio**

```
javax.swing.JLabel labelExplicacio
```

Label with the explanation

· **labelTitol**

```
javax.swing.JLabel labelTitol
```

Label with the Titol text

· **textAutor**

```
javax.swing.JTextField textAutor
```

Text field where the author is indicated

· **textTitol**

```
javax.swing.JTextField textTitol
```

Text field where the title is indicated

♦ **Class presentationlayer.BaixaExpBooleana extends javax.swing.JFrame implements Serializable**

♦ **Serialized Fields**

· **buttonBaixa**

```
javax.swing.JButton buttonBaixa
```

Baixa button to delete a boolean expression

· **buttonCancela**

```
javax.swing.JButton buttonCancela
```

Cancela button to cancel

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel that contents the visible components

All Classes

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel that contents the visible components

· **jPanel3**

```
javax.swing.JPanel jPanel3
```

Panel that contents the visible components

· **jPanel4**

```
javax.swing.JPanel jPanel4
```

Panel that contents the visible components

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Non-editable text

· **labelMenu**

```
javax.swing.JLabel labelMenu
```

Non-editable text

· **labelNom**

```
javax.swing.JLabel labelNom
```

Non-editable text

· **textNom**

```
javax.swing.JTextField textNom
```

Editable text

♦ **Class presentationlayer.CarregarDocument extends javax.swing.JFrame implements Serializable**

◇ **Serialized Fields**

· **buttonCarregar**

```
javax.swing.JButton buttonCarregar
```

Button Crear for loading a document

· **buttonInici**

```
javax.swing.JButton buttonInici
```

Button Inici for returning to main screen

All Classes

· fileChooser

```
javax.swing.JFileChooser fileChooser
```

File Chooser for choosing the oath of the file

· iCtrlPresentacio

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· jPanel1

```
javax.swing.JPanel jPanel1
```

Panel with parts of the view

· jScrollPane1

```
javax.swing.JScrollPane jScrollPane1
```

Scroll Panel with parts of the view

· labelCarregar

```
javax.swing.JLabel labelCarregar
```

Label with the CARREGAR DOCUMENT text

· labelEstat

```
javax.swing.JLabel labelEstat
```

Label with the state

· labelExplicacio

```
javax.swing.JLabel labelExplicacio
```

Label with the explanation

· textExplicaciÃ³

```
javax.swing.JTextArea textExplicaciÃ³
```

Text area where the explanation is

♦ **Class presentationlayer.GuardarDocument extends javax.swing.JFrame implements Serializable**

♦ Serialized Fields

· buttonGuardar

```
javax.swing.JButton buttonGuardar
```

Button Crear for saving a new document

All Classes

· **buttonInici**

```
javax.swing.JButton buttonInici
```

Button Inici for returning to main screen

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel with parts of the view

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel with parts of the view

· **labelAutor**

```
javax.swing.JLabel labelAutor
```

Label with the Autor text

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Label with the state

· **labelGuardar**

```
javax.swing.JLabel labelGuardar
```

Label with the Guardar text

· **labelTitol**

```
javax.swing.JLabel labelTitol
```

Label with the Titol text

· **labelUbicacio**

```
javax.swing.JLabel labelUbicacio
```

Label with the UbicaciÃ³ text

· **textAutor**

```
javax.swing.JTextField textAutor
```

Text field where the author is indicated

All Classes

· **textTitol**

```
javax.swing.JTextField textTitol
```

Text field where the title is indicated

· **textUbicacio**

```
javax.swing.JTextField textUbicacio
```

Text field where the path is indicated

♦ **Class presentationlayer.LlistarBool extends javax.swing.JFrame implements Serializable**

◇ **Serialized Fields**

· **buttonBuscar**

```
javax.swing.JButton buttonBuscar
```

Button Buscar for searching a document

· **buttonInici**

```
javax.swing.JButton buttonInici
```

BotÃ³n inici per retornar a la vista principal

· **buttonMostrar**

```
javax.swing.JButton buttonMostrar
```

BotÃ³n mostrar per llistar els documents corresponents.

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instancia de Ctrl presentaciÃ³

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel que contÃ© els components visibles

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel with parts of the view

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Permetre 'scroll' entre el llistat de documents

All Classes

· **jScrollPane2**

```
javax.swing.JScrollPane jScrollPane2
```

Scroll Panel with parts of the view

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Label with the state

· **labelExpr**

```
javax.swing.JLabel labelExpr
```

Textos no editables (ExpressiÃ³)

· **labelMostrar**

```
javax.swing.JLabel labelMostrar
```

Textos no editables (Mostrar)

· **textContingut**

```
javax.swing.JTextArea textContingut
```

Textos editables (contingut)

· **textExpr**

```
javax.swing.JTextField textExpr
```

Textos editables (ExpressiÃ³)

♦ **Class presentationlayer.LlistarDocAut extends javax.swing.JFrame implements Serializable**

♦ **Serialized Fields**

· **buttonInici**

```
javax.swing.JButton buttonInici
```

BotÃ³ inici per retornar a la vista principal

· **buttonMostrar**

```
javax.swing.JButton buttonMostrar
```

BotÃ³ mostrar per llistar els tÃ³ls corresponents.

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instancia de Ctrl presentaciÃ³

All Classes

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel que conté els components visibles

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Permetre 'scroll' entre el llistat de documents

· **labelAutor**

```
javax.swing.JLabel labelAutor
```

Textos no editables (Autor)

· **labelMostrar**

```
javax.swing.JLabel labelMostrar
```

Textos no editables (Mostrar)

· **textAutor**

```
javax.swing.JTextField textAutor
```

Textos editables (Autor)

· **textContingut**

```
javax.swing.JTextArea textContingut
```

Textos editables (Contingut)

♦ **Class presentationlayer.LlistarPrefix extends javax.swing.JFrame implements Serializable**

♦ **Serialized Fields**

· **buttonInici**

```
javax.swing.JButton buttonInici
```

Botó inici per retornar a la vista principal

· **buttonMostrar**

```
javax.swing.JButton buttonMostrar
```

Botó mostrar per llistar els autors corresponents.

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instancia de Ctrl presentació

All Classes

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel que conté els components visibles

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Permetre 'scroll' entre el llistat d'autors

· **labelAutor**

```
javax.swing.JLabel labelAutor
```

Textos no editables (Autor)

· **labelMostrar**

```
javax.swing.JLabel labelMostrar
```

Textos no editables (Mostrar)

· **textAutor**

```
javax.swing.JTextField textAutor
```

Textos editables (Autor)

· **textContingut**

```
javax.swing.JTextArea textContingut
```

Textos editables (Contingut)

♦ **Class presentationlayer.LlistarSemb extends javax.swing.JFrame implements Serializable**

◇ **Serialized Fields**

· **buttonInici**

```
javax.swing.JButton buttonInici
```

Botó inici per retornar a la vista principal

· **buttonMostrar**

```
javax.swing.JButton buttonMostrar
```

Botó mostrar per llistar els documents corresponents.

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instancia de Ctrl presentació

All Classes

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel que conté els components visibles

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Permetre 'scroll' entre el llistat de documents

· **labelAutor**

```
javax.swing.JLabel labelAutor
```

Textos no editables (Autor)

· **labelK**

```
javax.swing.JLabel labelK
```

Textos no editables (K)

· **labelMostrar**

```
javax.swing.JLabel labelMostrar
```

Textos no editables (Mostrar)

· **labelTitol**

```
javax.swing.JLabel labelTitol
```

Textos no editables (Titol)

· **textAutor**

```
javax.swing.JTextField textAutor
```

Textos editables (Autor)

· **textContingut**

```
javax.swing.JTextArea textContingut
```

Textos editables (Contingut)

· **textK**

```
javax.swing.JTextField textK
```

Textos editables (K)

· **textTitol**

```
javax.swing.JTextField textTitol
```

Textos editables (Titol)

Class presentationlayer.ModificarDocument extends javax.swing.JFrame implements Serializable

◇ Serialized Fields

· **buttonBuscar**

```
javax.swing.JButton buttonBuscar
```

Button Buscar for searching a document

· **buttonGuardar**

```
javax.swing.JButton buttonGuardar
```

Button Guardar for saving a document

· **buttonInici**

```
javax.swing.JButton buttonInici
```

Button Inici for returning to main screen

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel with parts of the view

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel with parts of the view

· **jScrollPane2**

```
javax.swing.JScrollPane jScrollPane2
```

Scroll Panel with parts of the view

· **labelAutor**

```
javax.swing.JLabel labelAutor
```

Label with the Autor text

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Label with the state

All Classes



· **labelModificar**

```
javax.swing.JLabel labelModificar
```

Label with the MODIFICAR DOCUMENT text

· **labelTitol**

```
javax.swing.JLabel labelTitol
```

Label with the Titol text

· **textAutor**

```
javax.swing.JTextField textAutor
```

Text field where the author is indicated

· **textModificar**

```
javax.swing.JEditorPane textModificar
```

Text field where the content is indicated and is possible to change it

· **textTitol**

```
javax.swing.JTextField textTitol
```

Text field where the title is indicated

♦ **Class presentationlayer.ModificarExpBooleana extends javax.swing.JFrame implements Serializable**

♦ **Serialized Fields**

· **buttonCancela**

```
javax.swing.JButton buttonCancela
```

Cancela button to cancel

· **buttonModificar**

```
javax.swing.JButton buttonModificar
```

Modificar button to modify a boolean expression

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jPanel1**

```
javax.swing.JPanel jPanel1
```

Panel that contents the visible components

All Classes

· **jPanel2**

```
javax.swing.JPanel jPanel2
```

Panel that contents the visible components

· **jPanel3**

```
javax.swing.JPanel jPanel3
```

Panel that contents the visible components

· **jPanel4**

```
javax.swing.JPanel jPanel4
```

Panel that contents the visible components

· **jScrollPane1**

```
javax.swing.JScrollPane jScrollPane1
```

Scroll pane for the boolean expression tree

· **labelEstat**

```
javax.swing.JLabel labelEstat
```

Non-editable text

· **labelMenu**

```
javax.swing.JLabel labelMenu
```

Non-editable text

· **labelNom**

```
javax.swing.JLabel labelNom
```

Non-editable text

· **labelQuery**

```
javax.swing.JLabel labelQuery
```

Non-editable text

· **textArbre**

```
javax.swing.JTextArea textArbre
```

Non-editable text

· **textNom**

```
javax.swing.JTextField textNom
```

Editable text

All Classes

· **textQuery**

`javax.swing.JTextField textQuery`

Editable text

♦ **Class presentationlayer.MostrarContingut extends `javax.swing.JFrame` implements `Serializable`**

◇ **Serialized Fields**

· **buttonInici**

`javax.swing.JButton buttonInici`

Button Inici for returning to main screen

· **buttonMostrar**

`javax.swing.JButton buttonMostrar`

Button Crear for showing a document

· **iCtrlPresentacio**

`CtrlPresentacio iCtrlPresentacio`

Instance of the presentation controller

· **jPanel1**

`javax.swing.JPanel jPanel1`

Panel with parts of the view

· **jScrollPane1**

`javax.swing.JScrollPane jScrollPane1`

Scroll Panel with parts of the view

· **labelAutor**

`javax.swing.JLabel labelAutor`

Label with the Autor text

· **labelEstat**

`javax.swing.JLabel labelEstat`

Label with the state

· **labelMostrar**

`javax.swing.JLabel labelMostrar`

Label with the MOSTRAR CONTINGUT text

All Classes

· **labelTitol**

```
javax.swing.JLabel labelTitol
```

Label with the Titol text

· **textAutor**

```
javax.swing.JTextField textAutor
```

Text field where the author is indicated

· **textContingut**

```
javax.swing.JTextArea textContingut
```

Text area where the content is indicated

· **textTitol**

```
javax.swing.JTextField textTitol
```

Text field where the title is indicated

♦ **Class presentationlayer.VistaPrincipal extends javax.swing.JFrame implements Serializable**

◇ **Serialized Fields**

· **buttonCancelar**

```
javax.swing.JButton buttonCancelar
```

· **buttonReset**

```
javax.swing.JButton buttonReset
```

· **buttonSi**

```
javax.swing.JButton buttonSi
```

· **dialogReset**

```
javax.swing.JDialog dialogReset
```

· **iCtrlPresentacio**

```
CtrlPresentacio iCtrlPresentacio
```

Instance of the presentation controller

· **jMenu2**

```
javax.swing.JMenu jMenu2
```

· **jMenu4**

```
javax.swing.JMenu jMenu4
```

All Classes

· **jMenuBar1**

javax.swing.JMenuBar jMenuBar1

· **jPanel1**

javax.swing.JPanel jPanel1

· **jScrollPane1**

javax.swing.JScrollPane jScrollPane1

· **labelEstat**

javax.swing.JLabel labelEstat

· **labelSegur**

javax.swing.JLabel labelSegur

· **menuDocuments**

javax.swing.JMenu menuDocuments

· **menutemalta**

javax.swing.JMenuItem menuItemMalta

· **menutemaltabool**

javax.swing.JMenuItem menuItemMaltaBool

· **menutembaixabool**

javax.swing.JMenuItem menuItemBaixaBool

· **menutemborrar**

javax.swing.JMenuItem menuItemBorrar

· **menutemcarregar**

javax.swing.JMenuItem menuItemCarregar

· **menutemguardar**

javax.swing.JMenuItem menuItemGuardar

· **menuteml·listarautor**

javax.swing.JMenuItem menuItemL·listarAutor

· **menuteml·listarbool**

javax.swing.JMenuItem menuItemL·listarBool

· **menuteml·listarprefix**

javax.swing.JMenuItem menuItemL·listarPrefix

· **menuteml·listarsemblanca**

javax.swing.JMenuItem menuItemL·listarSemblanca

· **menutemmodbool**

javax.swing.JMenuItem menuItemModBool

All Classes

- **menuItemmodificar**

`javax.swing.JMenuItem menuItemmodificar`

- **menuItemmostrar**

`javax.swing.JMenuItem menuItemmostrar`

- **textExplicacio**

`javax.swing.JTextArea textExplicacio`

- **Package utils**

- ♦ Class utils.DocumentJSON extends `org.json.simple.JSONObject` implements `Serializable`
- ♦ Class utils.RepVecJSON extends `org.json.simple.JSONObject` implements `Serializable`

- **Package utils.exceptions**

- ♦ Class utils.exceptions.CustomException extends `java.lang.Exception` implements `Serializable`

- **Package utils.exceptions.boolexpression**

- ♦ Class utils.exceptions.boolexpression.BoolExpressionCampNullException extends BoolExpressionException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.BoolExpressionException extends CustomException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.BoolExpressionIdentificadorJaExisteix extends BoolExpressionException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.BoolExpressionIdentificadorNoExisteix extends BoolExpressionException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.InvalidLiteralException extends BoolExpressionException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.InvalidSequenceException extends BoolExpressionException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.InvalidSetException extends BoolExpressionException implements `Serializable`
- ♦ Class utils.exceptions.boolexpression.WronglyParenthesizedException extends BoolExpressionException implements `Serializable`

- **Package `utils.exceptions.database`**

- ♦ Class `utils.exceptions.database.DatabaseException` extends `CustomException` implements `Serializable`
- ♦ Class `utils.exceptions.database.DatabaseInconsistentException` extends `DatabaseException` implements `Serializable`
- ♦ Class `utils.exceptions.database.FolderNotFoundException` extends `DatabaseException` implements `Serializable`

- **Package `utils.exceptions.document`**

- ♦ Class `utils.exceptions.document.AutorNoExisteixException` extends `DocumentException` implements `Serializable`
- ♦ Class `utils.exceptions.document.AutorTitolJaExisteixException` extends `DocumentException` implements `Serializable`
- ♦ Class `utils.exceptions.document.AutorTitolNoExisteixException` extends `DocumentException` implements `Serializable`
- ♦ Class `utils.exceptions.document.DocumentCampNullException` extends `DocumentException` implements `Serializable`
- ♦ Class `utils.exceptions.document.DocumentException` extends `CustomException` implements `Serializable`

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Package [database](#)

Class BoolExpressionFile

- [java.lang.Object](#)
- [◆ database.BoolExpressionFile](#)

- All Implemented Interfaces:

[BoolExpressionDB](#)

```
public class BoolExpressionFile
    extends java.lang.Object
    implements BoolExpressionDB
```

- [◆ Field Summary](#)

Fields

Modifier and Type	Field	Description
(package private) <code>java.io.File</code>	<u>boolExpressionFolder</u>	Reference to DATA/BoolExpression in Database, where all the BoolExpressions are stored
(package private) <code>org.json.simple.JSONObject</code>	<u>map</u>	Map stored in <code>map_file</code> , which translates from BoolExpression name to query
(package private) <code>java.io.File</code>	<u>map_file</u>	Reference to map file

- [◆ Constructor Summary](#)

Constructors

Constructor	Description
-------------	-------------

<u>BoolExpressionFile()</u>	
------------------------------------	--

◆ Method Summary

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	
-------------------	--

void	<u>delete</u> (j
------	-------------------------

java.util.HashMap<java.lang.String, java.lang.String>	<u>init_database</u> (
---	-------------------------------

void	<u>insert</u> (j java.l
------	-----------------------------------

void	
------	--

void	<u>update</u> (j java.l
------	-----------------------------------

◆ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• ◆ Field Detail

◆ boolExpressionFolder

java.io.File boolExpressionFolder

Reference to DATA/BoolExpression in Database, where all the BoolExpressions are stored

◆ map_file

java.io.File map_file

Reference to map file

◆ map

org.json.simple.JSONObject map

Map stored in map_file, which translates from BoolExpression name to query

◆ Constructor Detail

◆ BoolExpressionFile

```
public BoolExpressionFile()
```

◆ Method Detail

◆ init_database

```
public java.util.HashMap<java.lang.String, java.lang.String> init_dat
```

Description copied from interface: [BoolExpressionDB](#)

Initialize the Database

Specified by:

[init_database](#) in interface [BoolExpressionDB](#)

Returns:

All the BoolExpressions found on the Database, in order to sync with runtime memory

Throws:

[FolderNotFoundException](#)

[java.io.IOException](#)

[org.json.simple.parser.ParseException](#)

See Also:

[BoolExpressionDB.init_database\(java.lang.String\)](#)

◆ insert

```
public void insert (java.lang.String name,
                   java.lang.String query)
               throws DatabaseInconsistentException,
                   java.io.IOException
```

Description copied from interface: [BoolExpressionDB](#)

Insert BoolExpression in Database

Specified by:

[insert](#) in interface [BoolExpressionDB](#)

Throws:

[DatabaseInconsistentException](#)

[java.io.IOException](#)

See Also:

[BoolExpressionDB.insert\(java.lang.String, java.lang.String\)](#)

◆ update

```
public void update (java.lang.String name,
                   java.lang.String query)
               throws DatabaseInconsistentException,
                   java.io.IOException
```

Description copied from interface: [BoolExpressionDB](#)

All Classes

Update BoolExpression in Database

Specified by:

[update](#) in interface [BoolExpressionDB](#)

Throws:

[DatabaseInconsistentException](#)
[java.io.IOException](#)

See Also:

[BoolExpressionDB.update\(java.lang.String, java.lang.String\)](#)

◊ delete

```
public void delete (java.lang.String name)
                throws DatabaseInconsistentException,
                       java.io.IOException
```

Description copied from interface: [BoolExpressionDB](#)

Delete BoolExpression in Database

Specified by:

[delete](#) in interface [BoolExpressionDB](#)

Throws:

[DatabaseInconsistentException](#)
[java.io.IOException](#)

See Also:

[BoolExpressionDB.delete\(java.lang.String\)](#)

◊ reset

```
public void reset()
                throws java.io.IOException,
                       org.json.simple.parser.ParseException
```

Description copied from interface: [BoolExpressionDB](#)

Reset Functionality, resets the whole database of BoolExpressions

Specified by:

[reset](#) in interface [BoolExpressionDB](#)

Throws:

[java.io.IOException](#)
[org.json.simple.parser.ParseException](#)

See Also:

[BoolExpressionDB.reset\(\)](#)

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Package [database](#)

Class DocumentFile

- java.lang.Object
- ◆ database.DocumentFile

- All Implemented Interfaces:
 [DocumentDB](#)

```
public class DocumentFile
extends java.lang.Object
implements DocumentDB
```

• ♦ Field Summary

Fields

Modifier and Type	Field	Description
(package private) java.io.File	<u>content_folder</u>	reference to DATA/Contingut folder, where all the contents of Documents are stored
(package private) java.io.File	<u>data_folder</u>	Reference to DATA folder, where all the Documents identifiers are stored
private <u>BiMap</u>	<u>id2doc</u>	Container that stores the translations between IDs in Database and Documents
(package private) java.io.File	<u>repvec_folder</u>	Reference to DATA/RepVec folder, where the representations of Documents are stored

♦ Constructor Summary

Constructors

Constructor	Description
<u>DocumentFile</u> ()	

♦ Method Summary

All Methods Instance Methods Concrete Methods

	Modifier and Type
	void
	java.io.File
	java.io.File
	<u>BiMap</u>
	int
	java.io.File
	java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.Stri
	void
	java.lang.String

void

void

◆ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• ◆ Field Detail

◆ id2doc

```
private BiMap id2doc
```

Container that stores the translations between IDs in Database and Documents

◆ data_folder

```
java.io.File data_folder
```

Reference to DATA folder, where all the Documents identifiers are stored

◆ repvec_folder

```
java.io.File repvec_folder
```

Reference to DATA/RepVec folder, where the representations of Documents are stored

◆ content_folder

```
java.io.File content_folder
```

reference to DATA/Contingut folder, where all the contents of Documents are stored

◆ Constructor Detail

◆ DocumentFile

```
public DocumentFile()
```

Method Detail

◇ insert

```
public void insert (Document d)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Description copied from interface: [DocumentDB](#)

Insert Document on Database

Specified by:

[insert](#) in interface [DocumentDB](#)

Throws:

[DatabaseInconsistentException](#)
java.io.IOException

See Also:

[DocumentDB.insert\(domainlayer.model.Document\)](#)

◇ update

```
public void update (Document d,
                   java.lang.String c)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Description copied from interface: [DocumentDB](#)

Upadte Document on Database

Specified by:

[update](#) in interface [DocumentDB](#)

Throws:

[DatabaseInconsistentException](#)
java.io.IOException

See Also:

[DocumentDB.update\(domainlayer.model.Document, java.lang.String\)](#)

◇ delete

```
public void delete (Document d)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Description copied from interface: [DocumentDB](#)

Delete Document on Database

Specified by:

[delete](#) in interface [DocumentDB](#)

Throws:

[DatabaseInconsistentException](#)
java.io.IOException

See Also:

[DocumentDB.delete\(domainlayer.model.Document\)](#)

All Classes

◇ load_content

```
public java.lang.String load_content (Document d)
                                     throws DatabaseInconsistentException,
                                           java.io.IOException,
                                           org.json.simple.parser.ParseException;
```

Description copied from interface: DocumentDB

Load Content from existing Document on database

Specified by:

load_content in interface DocumentDB

Returns:

Throws:

DatabaseInconsistentException

```
java.io.IOException
```

```
org.json.simple.parser.ParseException
```

See Also:

DocumentDB.load_content(domainlayer.model.Document)

◇ **init_database**

```
public java.util.HashMap<java.lang.String, java.util.HashMap<java.lan
```

Description copied from interface: DocumentDB

Initialize Database

Specified by:

init_database in interface DocumentDB

Returns:

All the Documents found on the Database, in order to sync with runtime memory

Throws:

FolderNotFoundException

DatabaseInconsistentException

```
java.io.IOException
```

```
org.json.simple.parser.ParseException
```

See Also:

DocumentDB.init database(java.lang.String)

◇ get_num_doc

```
public int get_num_doc()
    throws DatabaseInconsistentException
```

Description copied from interface: DocumentDB

Get Number of docs in database

Specified by:

```
get_num doc in interface DocumentDB
```

Returns:

Number of docs in Database

Throws:

DatabaseInconsistentException

All Classes

◆ See Also:

[DocumentDB.get_num_doc\(\)](#)

◇ **reset**

```
public void reset()  
    throws java.io.IOException
```

Description copied from interface: [DocumentDB](#)

Reset Functionality, resets the whole database of Documents

Specified by:

[reset](#) in interface [DocumentDB](#)

Throws:

[java.io.IOException](#)

See Also:

[DocumentDB.reset\(\)](#)

◇ **get_id2doc**

```
public BiMap get_id2doc()
```

◇ **get_data_folder**

```
public java.io.File get_data_folder()
```

◇ **get_repvec_folder**

```
public java.io.File get_repvec_folder()
```

◇ **get_content_folder**

```
public java.io.File get_content_folder()
```

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Package database

- Class Summary

Class	Description
<u>BoolExpressionFile</u>	
<u>DocumentFile</u>	

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Hierarchy For Package database

Package Hierarchies:

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Class Hierarchy

- java.lang.Object
 - ◆ database.[BoolExpressionFile](#) (implements datalayer.databaseinterface.[BoolExpressionDB](#))
 - ◆ database.[DocumentFile](#) (implements datalayer.databaseinterface.[DocumentDB](#))

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Package [datalayer](#)

Class CtrlBoolExpressionMem

- java.lang.Object
- ◆ datalayer.CtrlBoolExpressionMem

- All Implemented Interfaces:

[CtrlBoolExpression](#)

```
public class CtrlBoolExpressionMem
    extends java.lang.Object
    implements CtrlBoolExpression
```

- ◆ **Field Summary**

Fields

Modifier and Type	Field
private java.util.HashMap<java.lang.String, java.lang.String>	<u>bools</u>
private FactoriaDB	<u>factDatabase</u>

- ◆ **Constructor Summary**

Constructors

Constructor	Description
<u>CtrlBoolExpressionMem()</u>	Default constructor

- ◆ **Method Summary**

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
BoolExpression	<u>alta BoolExpression</u> (java.lang.String _nom, java.lang.String q)	New BoolExpressi
void	<u>baixa BoolExpression</u> (java.lang.String _nom)	

All Classes

Modifier and Type	Method	Description
		Delete
		BoolExpressi
<u>BoolExpression</u>	<u>get BoolExpression</u> (java.lang.String _nom)	Get
		BoolExpressi
<u>BoolExpression</u>	<u>mod BoolExpression</u> (java.lang.String _nom, java.lang.String q)	Modify
		BoolExpressi
void	<u>reset</u> ()	Reset
		Functionality

◇ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait

• ◆ Field Detail

◇ bools

```
private java.util.HashMap<java.lang.String, java.lang.String> bools
```

Container for all the BoolExpressions in memory

◇ factDatabase

```
private FactoriaDB factDatabase
```

Reference to the Database

◆ Constructor Detail

◇ CtrlBoolExpressionMem

```
public CtrlBoolExpressionMem()  
    throws FolderNotFoundException,  
           java.io.IOException,  
           org.json.simple.parser.ParseException
```

Default constructor

Throws:

```
FolderNotFoundException  
java.io.IOException  
org.json.simple.parser.ParseException
```

◆ Method Detail

◇ alta_BoolExpression

```
public BoolExpression alta_BoolExpression (java.lang.String _nom,  
                                             java.lang.String q)  
    throws BoolExpressionIdentificador  
           BoolExpressionCampNullExcepti  
           java.io.IOException,  
           DatabaseInconsistentExcepti
```

All Classes

Description copied from interface: [CtrlBoolExpression](#)

New BoolExpression

Specified by:

[alta BoolExpression](#) in interface [CtrlBoolExpression](#)

Returns:

The new BoolExpression created

Throws:

[BoolExpressionIdentificadorJaExisteixException](#)

[BoolExpressionCampNullException](#)

[java.io.IOException](#)

[DatabaseInconsistentException](#)

See Also:

[CtrlBoolExpression.alta BoolExpression\(java.lang.String, java.lang.String\)](#)

◇ **mod_BoolExpression**

```
public BoolExpression mod_BoolExpression (java.lang.String _nom,  
                                           java.lang.String q)  
                                           throws BoolExpressionIdentificadorNoExisteixException,  
                                           BoolExpressionCampNullException,  
                                           java.io.IOException,  
                                           DatabaseInconsistentException
```

Description copied from interface: [CtrlBoolExpression](#)

Modify BoolExpression

Specified by:

[mod BoolExpression](#) in interface [CtrlBoolExpression](#)

Returns:

The result of modifying the BoolExpression

Throws:

[BoolExpressionIdentificadorNoExisteixException](#)

[BoolExpressionCampNullException](#)

[java.io.IOException](#)

[DatabaseInconsistentException](#)

See Also:

[CtrlBoolExpression.mod BoolExpression\(java.lang.String, java.lang.String\)](#)

◇ **baixa_BoolExpression**

```
public void baixa_BoolExpression (java.lang.String _nom)  
                                   throws BoolExpressionIdentificadorNoExisteixException,  
                                   java.io.IOException,  
                                   DatabaseInconsistentException
```

Description copied from interface: [CtrlBoolExpression](#)

Delete BoolExpression

Specified by:

[baixa BoolExpression](#) in interface [CtrlBoolExpression](#)

Throws:

[BoolExpressionIdentificadorNoExisteixException](#)

[java.io.IOException](#)

[DatabaseInconsistentException](#)

All Classes

See Also:

[CtrlBoolExpression.baixa BoolExpression\(java.lang.String\)](#)

◇ **get_BoolExpression**

```
public BoolExpression get_BoolExpression (java.lang.String _nom)  
                                     throws BoolExpressionIdentificadorN
```

Description copied from interface: [CtrlBoolExpression](#)

Get BoolExpression

Specified by:

[get_BoolExpression](#) in interface [CtrlBoolExpression](#)

Returns:

If it exists, the desired BoolExpression

Throws:

[BoolExpressionIdentificadorNoExisteixException](#)

See Also:

[CtrlBoolExpression.get_BoolExpression\(java.lang.String\)](#)

◇ **reset**

```
public void reset()  
           throws java.io.IOException,  
                  org.json.simple.parser.ParseException
```

Description copied from interface: [CtrlBoolExpression](#)

Reset Functionality. Deletes all BoolExpressions

Specified by:

[reset](#) in interface [CtrlBoolExpression](#)

Throws:

java.io.IOException
org.json.simple.parser.ParseException

See Also:

[CtrlBoolExpression.reset\(\)](#)

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Package [datalayer](#)

Class CtrlDocumentMem

- java.lang.Object
- ◆ datalayer.CtrlDocumentMem

- All Implemented Interfaces:

[CtrlDocument](#)

```
public class CtrlDocumentMem
    extends java.lang.Object
    implements CtrlDocument
```

◆ Field Summary

Fields

Modifier and Type

private FactoriaDB

java.util.TreeMap<java.lang.String, java.lang.Integer>

private
java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.Stri

private int

◆ Constructor Summary

Constructors

Constructor Description

CtrlDocumentMem() Default constructor

◆ Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type

private void actualitza

Document alta doc (jav

void baix

java.util.ArrayList<Document>

private double calcular distancia docs (j
java.util.Tree

java.util.TreeMap<java.lang.String, java.lang.Integer>

int

All Classes

- **Modifier and Type**

Document

ge

java.util.ArrayList<Document>

java.util.ArrayList<java.lang.String>

java.util.ArrayList<java.lang.String>

Document

mod doc (java

java.lang.String

mostrar

java.util.ArrayList<Document>

ordenar pe

void

◇ **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify,
notifyAll, toString, wait, wait, wait

- **◆ Field Detail**

◇ **lIistatDoc**

private java.util.HashMap<java.lang.String, java.util.HashMap<java.la

Container for all the Documents in memory

◇ **lIistaAparicions**

public java.util.TreeMap<java.lang.String, java.lang.Integer> lIistaA

List of all the words in all the Documents and the number of times they appear

◇ **num_doc**

private int num_doc

Number of Documents in memory

All Classes

◇ factDatabase

```
private FactoriaDB factDatabase
```

Reference to Database

◆ Constructor Detail

◇ CtrlDocumentMem

```
public CtrlDocumentMem()  
    throws FolderNotFoundException,  
           DatabaseInconsistentException,  
           java.io.IOException,  
           org.json.simple.parser.ParseException
```

Default constructor

Throws:

[FolderNotFoundException](#)
[DatabaseInconsistentException](#)
java.io.IOException
org.json.simple.parser.ParseException

◆ Method Detail

◇ getDoc

```
public Document getDoc (java.lang.String t,  
                        java.lang.String a)  
    throws AutorTitolNoExisteixException,  
           AutorNoExisteixException
```

Description copied from interface: [CtrlDocument](#)

Get Document

Specified by:

[getDoc](#) in interface [CtrlDocument](#)

Returns:

If it exists, the desired Document

Throws:

[AutorTitolNoExisteixException](#)
[AutorNoExisteixException](#)

See Also:

[CtrlDocument.getDoc\(java.lang.String,
java.lang.String\)](#)

◇ alta_doc

```
public Document alta_doc (java.lang.String f,  
                          java.lang.String t,  
                          java.lang.String a,  
                          java.lang.String c)  
    throws AutorTitolJaExisteixException,  
           DocumentCampNullException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

All Classes

Description copied from interface: [CtrlDocument](#)

New Document

Specified by:

[alta_doc](#) in interface [CtrlDocument](#)

Returns:

The new Document created

Throws:

[AutorTitolJaExisteixException](#)

[DocumentCampNullException](#)

[java.io.IOException](#)

[DatabaseInconsistentException](#)

See Also:

[CtrlDocument.alta_doc\(java.lang.String,
java.lang.String, java.lang.String,
java.lang.String\)](#)

◇ **mod_doc**

```
public Document mod_doc (java.lang.String t,  
                        java.lang.String a,  
                        java.lang.String c)  
    throws AutorTitolNoExisteixException,  
           AutorNoExisteixException,  
           DocumentCampNullException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

Description copied from interface: [CtrlDocument](#)

Modify Document

Specified by:

[mod_doc](#) in interface [CtrlDocument](#)

Returns:

The result of modifying the Document

Throws:

[AutorTitolNoExisteixException](#)

[AutorNoExisteixException](#)

[DocumentCampNullException](#)

[java.io.IOException](#)

[DatabaseInconsistentException](#)

See Also:

[CtrlDocument.mod_doc\(java.lang.String,
java.lang.String, java.lang.String\)](#)

◇ **baixa_doc**

```
public void baixa_doc (java.lang.String t,  
                      java.lang.String a)  
    throws AutorTitolNoExisteixException,  
           AutorNoExisteixException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

Description copied from interface: [CtrlDocument](#)

Delete document

Specified by:

All Classes

[baixa_doc](#) in interface [CtrlDocument](#)

Throws:

[AutorTitolNoExisteixException](#)

[AutorNoExisteixException](#)

[java.io.IOException](#)

[DatabaseInconsistentException](#)

See Also:

[CtrlDocument.baixa_doc\(java.lang.String,](#)

[java.lang.String\)](#)

◇ **l·listar_titols_unautor**

```
public java.util.ArrayList<java.lang.String> l·listar_titols_unautor (
    throws A
```

Description copied from interface: [CtrlDocument](#)

List Title for Author

Specified by:

[l·listar_titols_unautor](#) in interface [CtrlDocument](#)

Returns:

Lists all the Titles of an existing Author

Throws:

[AutorNoExisteixException](#)

See Also:

[CtrlDocument.l·listar_titols_unautor\(java.lang.String\)](#)

◇ **l·listarPrefix**

```
public java.util.ArrayList<java.lang.String> l·listarPrefix (java.lang
```

Description copied from interface: [CtrlDocument](#)

List by prefix

Specified by:

[l·listarPrefix](#) in interface [CtrlDocument](#)

Returns:

List all the Authors that start by the prefix given

See Also:

[CtrlDocument.l·listarPrefix\(java.lang.String\)](#)

◇ **mostrar_contingut**

```
public java.lang.String mostrar_contingut (java.lang.String t,
    java.lang.String a)
    throws AutorNoExisteixException,
    AutorTitolNoExisteixException,
    DatabaseInconsistentException,
    java.io.IOException,
    org.json.simple.parser.Parser
```

Description copied from interface: [CtrlDocument](#)

Returns de Content of a Document in memory, loading it from database if necessary

Specified by:

[mostrar_contingut](#) in interface [CtrlDocument](#)

Returns:

The content of the specified Document

All Classes

Throws:

[AutorNoExisteixException](#)
[AutorTitolNoExisteixException](#)
[DatabaseInconsistentException](#)
[java.io.IOException](#)
[org.json.simple.parser.ParseException](#)

See Also:

[CtrlDocument.mostrar_contingut\(java.lang.String, java.lang.String\)](#)

◇ **get_num_documents**

```
public int get_num_documents()
```

Description copied from interface: [CtrlDocument](#)

Number of Documents

Specified by:

[get_num_documents](#) in interface [CtrlDocument](#)

Returns:

The number of existing Documents

See Also:

[CtrlDocument.get_num_documents\(\)](#)

◇ **get_llista_aparicions**

```
public java.util.TreeMap<java.lang.String, java.lang.Integer> get_llista_aparicions()
```

Description copied from interface: [CtrlDocument](#)

Instances of words

Specified by:

[get_llista_aparicions](#) in interface [CtrlDocument](#)

Returns:

The full list of appearances of all words in Documents, with the ammount of times each is found

See Also:

[CtrlDocument.get_llista_aparicions\(\)](#)

◇ **llistar_documents**

```
public java.util.ArrayList<Document> llistar_documents()
```

Description copied from interface: [CtrlDocument](#)

Get All Documents

Specified by:

[llistar_documents](#) in interface [CtrlDocument](#)

Returns:

The list of all Documents in the software

See Also:

[CtrlDocument.llistar_documents\(\)](#)

◇ **actualitzar_aparicions**

```
private void actualitzar_aparicions (java.lang.String t,  
                                     java.lang.String a)
```

Update appearances of a word

All Classes

Parameters:

t -

a -

◇ calcular_distancia_docs

[illegible]

Compute Distance

Parameters:

```
llista_metrical -
```

```
llista_metrica2 -
```

Returns:

The distance between 2 Documents using their apparences list

◇ **ordenar_per_sembiança**

```
public java.util.ArrayList<Document> ordenar_per_semblanÃ§a (java.lang.  

    java.lang.  

    java.lang.  

    throws AutorNoExi  

    AutorTitol  

    FolderNotF  

    DatabaseIn  

    java.io.IO  

    org.json.s
```

Description copied from interface: CtrlDocument

Get Documents by similarity

Specified by:

ordenar per semblança in interface CtrlDocument

Returns:

Returns a list of k Documents (or num_docs-1 if there are not enough Documents stored) which are most similar to the Document given

Throws:

AutorNoExisteixException

AutorTitolNoExisteixException

FolderNotFoundException

DatabaseInconsistentException

```
java.io.IOException
```

```
org.json.simple.parser.ParseException
```

See Also:

CtrlDocument.ordenar per semblanÃ§a(java.lang.String, java.lang.String, java.lang.Integer)

◇ **bool_search**

```
public java.util.ArrayList<Document> bool_search (BoolExpression b)
```

Specified by:

```
bool search in interface CtrlDocument
```

Returns:

List of Documents that fulfill a given BoolExpression

See Also:

```
CtrlDocument.bool search(domainlayer.model.BoolExpression)
```


All Classes

◇ reset

```
public void reset()  
    throws java.io.IOException
```

Specified by:

reset in interface CtrlDocument

Throws:

java.io.IOException

See Also:

CtrlDocument.reset()

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Package datalayer

- [Class Summary](#)

Class	Description
<u>CtrlBoolExpressionMem</u>	
<u>CtrlDocumentMem</u>	

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Hierarchy For Package datalayer

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Class Hierarchy

- [java.lang.Object](#)
 - ◆ [datalayer.CtrlBoolExpressionMem](#) (implements [domainlayer.datainterface.CtrlBoolExpression](#))
 - ◆ [datalayer.CtrlDocumentMem](#) (implements [domainlayer.datainterface.CtrlDocument](#))

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Package [datalayer.databaseinterface](#)

Interface BoolExpressionDB

- All Known Implementing Classes:

[BoolExpressionFile](#)

```
public interface BoolExpressionDB
```

- **Method Summary**

All Methods [Instance Methods](#) [Abstract Methods](#)

Modifier and Type

```
void delete (java.lang.String name)

java.util.HashMap<java.lang.String, java.lang.String> init_database ()

void insert (java.lang.String name, java.lang.String query)

void update (java.lang.String name, java.lang.String query)

void update (java.lang.String name, java.lang.String query, java.lang.String value)
```

- **Method Detail**

◊ insert

```
void insert (java.lang.String name,
             java.lang.String query)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Insert BoolExpression in Database

Parameters:

name -

query -

Throws:

[DatabaseInconsistentException](#)
java.io.IOException

All Classes

◇ update

```
void update (java.lang.String name,  
            java.lang.String query)  
    throws DatabaseInconsistentException,  
           java.io.IOException
```

Update BoolExpression in Database

Parameters:

name -
query -

Throws:

DatabaseInconsistentException
java.io.IOException

◇ delete

```
void delete (java.lang.String name)  
    throws DatabaseInconsistentException,  
           java.io.IOException
```

Delete BoolExpression in Database

Parameters:

name -

Throws:

DatabaseInconsistentException
java.io.IOException

◇ init_database

```
java.util.HashMap<java.lang.String, java.lang.String> init_database (  
    thr
```

Initialize the Database

Parameters:

root_data -

Returns:

All the BoolExpressions found on the Database, in order to sync with runtime memory

Throws:

FolderNotFoundException
java.io.IOException
org.json.simple.parser.ParseException

◇ reset

```
void reset()  
    throws java.io.IOException,  
           org.json.simple.parser.ParseException
```

Reset Functionality, resets the whole database of BoolExpressions

Throws:

java.io.IOException
org.json.simple.parser.ParseException

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Package [datalayer.databaseinterface](#)

Interface DocumentDB

- All Known Implementing Classes:

[DocumentFile](#)

```
public interface DocumentDB
```

- **◆ Method Summary**

All Methods [Instance Methods](#) [Abstract Methods](#)

Modifier and Type

```
void
```

```
int
```

```
java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.Stri
```

```
void
```

```
java.lang.String
```

```
void
```

```
void
```

- **◆ Method Detail**

◆ insert

```
void insert (Document d)
           throws DatabaseInconsistentException,
                  java.io.IOException
```

All Classes

Insert Document on Database

Parameters:

d -

Throws:

DatabaseInconsistentException
java.io.IOException

◇ update

```
void update (Document d,  
            java.lang.String c)  
    throws DatabaseInconsistentException,  
           java.io.IOException
```

Upadte Document on Database

Parameters:

d -

c -

Throws:

DatabaseInconsistentException
java.io.IOException

◇ delete

```
void delete (Document d)  
    throws DatabaseInconsistentException,  
           java.io.IOException
```

Delete Document on Database

Parameters:

d -

Throws:

DatabaseInconsistentException
java.io.IOException

◇ load_content

```
java.lang.String load_content (Document d)  
    throws DatabaseInconsistentException,  
           java.io.IOException,  
           org.json.simple.parser.ParseException
```

Load Content from existing Document on database

Parameters:

d -

Returns:

Throws:

DatabaseInconsistentException
java.io.IOException
org.json.simple.parser.ParseException

◇ get_num_doc

```
int get_num_doc()  
    throws DatabaseInconsistentException
```

Get Number of docs in database

All Classes

Returns:

Number of docs in Database

Throws:

[DatabaseInconsistentException](#)

◇ **init_database**

```
java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.String, java.lang.String>>>
```

Initialize Database

Parameters:

root_data -

Returns:

All the Documents found on the Database, in order to sync with runtime memory

Throws:

[FolderNotFoundException](#)

[DatabaseInconsistentException](#)

java.io.IOException

org.json.simple.parser.ParseException

◇ **reset**

```
void reset()  
throws java.io.IOException
```

Reset Functionality, resets the whole database of Documents

Throws:

java.io.IOException

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Package [datalayer.databaseinterface](#)

Class FactoriaDB

- java.lang.Object
- ◆ datalayer.databaseinterface.FactoriaDB

```
public class FactoriaDB
    extends java.lang.Object
```

- ◆ **Field Summary**

Fields

Modifier and Type

Field
bools

Description

All Classes

Modifier and Type	Field	Description
(package private) <u>BoolExpressionDB</u>		Reference to BoolExpression database
(package private) <u>DocumentDB</u>	<u>docs</u>	Reference to Document database
private static <u>FactoriaDB</u>	<u>single_instance</u>	Reference to only existing instance of the class.

◆ Constructor Summary

Constructors

Modifier	Constructor	Description
private	<u>FactoriaDB</u> ()	Private constructor for Singleton Pattern

◆ Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
<u>BoolExpressionDB</u>	<u>getBoolExpressionDB</u> ()	Get BoolExpression database controller
<u>DocumentDB</u>	<u>getDocumentDB</u> ()	Get Document database controller
static <u>FactoriaDB</u>	<u>getInstance</u> ()	Get Instance

◇ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• ◆ Field Detail

◇ single_instance

```
private static FactoriaDB single_instance
```

Reference to only existing instance of the class. Singleton Pattern

◇ docs

```
DocumentDB docs
```

Reference to Document database

◇ bools

```
BoolExpressionDB bools
```

Reference to BoolExpression database

◆ Constructor Detail

◆ **FactoriaDB**

```
private FactoriaDB()
```

Private constructor for Singleton Pattern

◆ Method Detail

◆ **getInstance**

```
public static FactoriaDB getInstance()
```

Get Instance

Returns:

the only existing instance of the class

◆ **getDocumentDB**

```
public DocumentDB getDocumentDB()
```

Get Document database controller

Returns:

The controller for the Documents in the persistence database

◆ **getBoolExpressionDB**

```
public BoolExpressionDB getBoolExpressionDB()
```

Get BoolExpression database controller

Returns:

The controller for the BoolExpressions in the persistence database

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Package datalayer.databaseinterface

- [Interface Summary](#)

Interface	Description
<u>BoolExpressionDB</u>	
<u>DocumentDB</u>	

- [Class Summary](#)

Class	Description
<u>FactoriaDB</u>	

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Hierarchy For Package datalayer.databaseinterface

Package Hierarchies:

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Class Hierarchy

- java.lang.Object
 - ◆ datalayer.databaseinterface.[FactoriaDB](#)

Interface Hierarchy

- datalayer.databaseinterface.[BoolExpressionDB](#)
- datalayer.databaseinterface.[DocumentDB](#)

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Package [datalayer.databaseinterface](#)

Interface BoolExpressionDB

- All Known Implementing Classes:
[BoolExpressionFile](#)

```
public interface BoolExpressionDB
```

- **◆ Method Summary**

All Methods [Instance Methods](#) [Abstract Methods](#)

Modifier and Type

void	delete (ja
java.util.HashMap<java.lang.String, java.lang.String>	init database (j
void	insert (ja java.l
void	

Modifier and Type

void

update (ja
java.1

- ◆ Method Detail

◆ insert

```
void insert (java.lang.String name,
            java.lang.String query)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Insert BoolExpression in Database

Parameters:

name -
query -

Throws:

DatabaseInconsistentException
java.io.IOException

◆ update

```
void update (java.lang.String name,
            java.lang.String query)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Update BoolExpression in Database

Parameters:

name -
query -

Throws:

DatabaseInconsistentException
java.io.IOException

◆ delete

```
void delete (java.lang.String name)
    throws DatabaseInconsistentException,
           java.io.IOException
```

Delete BoolExpression in Database

Parameters:

name -

Throws:

DatabaseInconsistentException
java.io.IOException

◆ init_database

```
java.util.HashMap<java.lang.String, java.lang.String> init_database (
    thr
```


All Classes

Initialize the Database

Parameters:

`root_data -`

Returns:

All the BoolExpressions found on the Database, in order to sync with runtime memory

Throws:

[FolderNotFoundException](#)

`java.io.IOException`

`org.json.simple.parser.ParseException`

◊ **reset**

`void reset()`

`throws java.io.IOException,`

`org.json.simple.parser.ParseException`

Reset Functionality, resets the whole database of BoolExpressions

Throws:

`java.io.IOException`

`org.json.simple.parser.ParseException`

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Package [datalayer.databaseinterface](#)

Interface DocumentDB

- All Known Implementing Classes:
[DocumentFile](#)

```
public interface DocumentDB
```

- **◆ Method Summary**

All Methods [Instance Methods](#) [Abstract Methods](#)

Modifier and Type

```
void
```

```
int
```

```
java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.Stri
```

```
void
```

java.lang.String

void

void

- ◆ **Method Detail**

- ◆ **insert**

```
void insert (Document d)
           throws DatabaseInconsistentException,
                  java.io.IOException
```

Insert Document on Database

Parameters:

d -

Throws:

DatabaseInconsistentException
java.io.IOException

- ◆ **update**

```
void update (Document d,
            java.lang.String c)
           throws DatabaseInconsistentException,
                  java.io.IOException
```

Upadte Document on Database

Parameters:

d -

c -

Throws:

DatabaseInconsistentException
java.io.IOException

- ◆ **delete**

```
void delete (Document d)
           throws DatabaseInconsistentException,
                  java.io.IOException
```

Delete Document on Database

All Classes

Parameters:

d -

Throws:

DatabaseInconsistentException

```
java.io.IOException
```

◇ **load_content**

[illegible]

Load Content from existing Document on database

Parameters:

d -

Returns:

Throws:

DatabaseInconsistentException

```
java.io.IOException
```

```
org.json.simple.parser.ParseException
```

◇ get_num_doc

```
int get_num_doc()
    throws DatabaseInconsistentException
```

Get Number of docs in database

Returns:

Number of docs in Database

Throws:

DatabaseInconsistentException

◇ init_database

```
java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.Strin
```

Initialize Database

Parameters:

```
root_data -
```

Returns:

All the Documents found on the Database, in order to sync with runtime memory

Throws:

FolderNotFoundException

DatabaseInconsistentException

```
java.io.IOException
```

```
org.json.simple.parser.ParseException
```

All Classes

◇ reset

```
void reset()  
    throws java.io.IOException
```

Reset Functionality, resets the whole database of Documents

Throws:

java.io.IOException

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Package [datalayer.databaseinterface](#)

Class FactoriaDB

- java.lang.Object
- ◆ datalayer.databaseinterface.FactoriaDB

```
public class FactoriaDB
    extends java.lang.Object
```

◆ Field Summary

Fields

Modifier and Type	Field	Description
(package private) BoolExpressionDB	bools	Reference to BoolExpression database
(package private) DocumentDB	docs	Reference to Document database
private static FactoriaDB	single instance	Reference to only existing instance of the class.

◆ Constructor Summary

Constructors

Modifier	Constructor	Description
private	FactoriaDB()	Private constructor for Singleton Pattern

◆ Method Summary

All Methods [Static Methods](#) [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
BoolExpressionDB	getBoolExpressionDB()	Get BoolExpression database controller
DocumentDB	getDocumentDB()	Get Document database controller
static FactoriaDB	getInstance()	Get Instance

Modifier and Type	Method	Description
-------------------	--------	-------------

◇ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• ◆ Field Detail

◇ single_instance

```
private static FactoriaDB single_instance
```

Reference to only existing instance of the class. Singleton Pattern

◇ docs

```
DocumentDB docs
```

Reference to Document database

◇ bools

```
BoolExpressionDB bools
```

Reference to BoolExpression database

◆ Constructor Detail

◇ FactoriaDB

```
private FactoriaDB()
```

Private constructor for Singleton Pattern

◆ Method Detail

◇ getInstance

```
public static FactoriaDB getInstance()
```

Get Instance

Returns:

the only existing instance of the class

◇ getDocumentDB

```
public DocumentDB getDocumentDB()
```

Get Document database controller

Returns:

The controller for the Documents in the persistance database

◇ **getBoolExpressionDB**

```
public BoolExpressionDB getBoolExpressionDB()
```

Get BoolExpression database controller

Returns:

The controller for the BoolExpressions in the persistence database

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Package datalayer.databaseinterface

- Interface Summary

Interface	Description
<u>BoolExpressionDB</u>	
<u>DocumentDB</u>	

- Class Summary

Class	Description
<u>FactoriaDB</u>	

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Hierarchy For Package datalayer.databaseinterface

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Class Hierarchy

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Package [datalayer](#)

Class CtrlBoolExpressionMem

- [java.lang.Object](#)
- ◆ [datalayer.CtrlBoolExpressionMem](#)

- All Implemented Interfaces:

[CtrlBoolExpression](#)

```
public class CtrlBoolExpressionMem
    extends java.lang.Object
    implements CtrlBoolExpression
```

- ◆ **Field Summary**

Fields

Modifier and Type	Field
private java.util.HashMap<java.lang.String, java.lang.String>	bools
private FactoriaDB	factDatabase

- ◆ **Constructor Summary**

Constructors

Constructor	Description
CtrlBoolExpressionMem ()	Default constructor

- ◆ **Method Summary**

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type	Method	Description
BoolExpression	alta BoolExpression (java.lang.String _nom, java.lang.String q)	New BoolExpression
void	baixa BoolExpression (java.lang.String _nom)	Delete BoolExpression
BoolExpression	get BoolExpression (java.lang.String _nom)	Get BoolExpression
BoolExpression	mod BoolExpression (java.lang.String _nom, java.lang.String q)	Modify BoolExpression
void	reset ()	Reset Functionality

◇ Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`,
`notifyAll`, `toString`, `wait`, `wait`, `wait`

• ◇ Field Detail

◇ `bools`

```
private java.util.HashMap<java.lang.String, java.lang.String> bools
```

Container for all the BoolExpressions in memory

◇ `factDatabase`

```
private FactoriaDB factDatabase
```

Reference to the Database

◇ Constructor Detail

◇ `CtrlBoolExpressionMem`

```
public CtrlBoolExpressionMem()  
    throws FolderNotFoundException,  
           java.io.IOException,  
           org.json.simple.parser.ParseException
```

Default constructor

Throws:

FolderNotFoundException
 java.io.IOException
 org.json.simple.parser.ParseException

◇ Method Detail

◇ `alta_BoolExpression`

```
public BoolExpression alta_BoolExpression (java.lang.String _nom,  
                                           java.lang.String q)  
    throws BoolExpressionIdentificador,  
           BoolExpressionCampNullExcepti,  
           java.io.IOException,  
           DatabaseInconsistentExcepti
```

Description copied from interface: CtrlBoolExpression

New BoolExpression

Specified by:

alta_BoolExpression in interface CtrlBoolExpression

Returns:

The new BoolExpression created

Throws:

BoolExpressionIdentificadorJaExisteixException
BoolExpressionCampNullException
 java.io.IOException

All Classes

DatabaseInconsistentException

See Also:

CtrlBoolExpression.alta BoolExpression(java.lang.String, java.lang.String)

◇ **mod_BoolExpression**

```
public BoolExpression mod_BoolExpression (java.lang.String _nom,  
                                           java.lang.String q)  
                                           throws BoolExpressionIdentificadorNoExisteixException,  
                                           BoolExpressionCampNullException,  
                                           java.io.IOException,  
                                           DatabaseInconsistentException
```

Description copied from interface: CtrlBoolExpression

Modify BoolExpression

Specified by:

mod BoolExpression in interface CtrlBoolExpression

Returns:

The result of modifying the BoolExpression

Throws:

BoolExpressionIdentificadorNoExisteixException
BoolExpressionCampNullException
java.io.IOException
DatabaseInconsistentException

See Also:

CtrlBoolExpression.mod BoolExpression(java.lang.String, java.lang.String)

◇ **baixa_BoolExpression**

```
public void baixa_BoolExpression (java.lang.String _nom)  
                                  throws BoolExpressionIdentificadorNoExisteixException,  
                                  java.io.IOException,  
                                  DatabaseInconsistentException
```

Description copied from interface: CtrlBoolExpression

Delete BoolExpression

Specified by:

baixa BoolExpression in interface CtrlBoolExpression

Throws:

BoolExpressionIdentificadorNoExisteixException
java.io.IOException
DatabaseInconsistentException

See Also:

CtrlBoolExpression.baixa BoolExpression(java.lang.String)

◇ **get_BoolExpression**

```
public BoolExpression get_BoolExpression (java.lang.String _nom)  
                                           throws BoolExpressionIdentificadorNoExisteixException
```

Description copied from interface: CtrlBoolExpression

Get BoolExpression

Specified by:

get BoolExpression in interface CtrlBoolExpression

All Classes

Returns:

If it exists, the desired BoolExpression

Throws:

[BoolExpressionIdentificadorNoExisteixException](#)

See Also:

[CtrlBoolExpression.get_BoolExpression\(java.lang.String\)](#)

◇ reset

```
public void reset()  
    throws java.io.IOException,  
           org.json.simple.parser.ParseException
```

Description copied from interface: [CtrlBoolExpression](#)

Reset Functionality. Deletes all BoolExpressions

Specified by:

[reset](#) in interface [CtrlBoolExpression](#)

Throws:

java.io.IOException
org.json.simple.parser.ParseException

See Also:

[CtrlBoolExpression.reset\(\)](#)

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Package [datalayer](#)

Class CtrlDocumentMem

- [java.lang.Object](#)
- ◆ [datalayer.CtrlDocumentMem](#)

- All Implemented Interfaces:

[CtrlDocument](#)

```
public class CtrlDocumentMem
    extends java.lang.Object
    implements CtrlDocument
```

- ◆ **Field Summary**

Fields

Modifier and Type

```
private FactoriaDB
    java.util.TreeMap<java.lang.String, java.lang.Integer>
```

Modifier and Type

```
private
java.util.HashMap<java.lang.String, java.util.HashMap<java.lang.Stri
```

```
private int
```

◆ Constructor Summary

Constructors

Constructor	Description
-------------	-------------

<u>CtrlDocumentMem</u> ()	Default constructor
----------------------------------	---------------------

◆ Method Summary

All Methods [Instance Methods](#) [Concrete Methods](#)

Modifier and Type

```
private void actualitza
```

```
Document alta doc (jav
```

```
void baixa
```

```
java.util.ArrayList<Document>
```

```
private double calcular distancia docs (j  
java.util.Tree
```

```
java.util.TreeMap<java.lang.String, java.lang.Integer>
```

```
int
```

```
Document ge
```

```
java.util.ArrayList<Document>
```

```
java.util.ArrayList<java.lang.String>
```

```
java.util.ArrayList<java.lang.String>
```

```
Document mod doc (java
```


Modifier and Type

java.lang.String

[mostrar](#)java.util.ArrayList<[Document](#)>[ordenar pe](#)

void

◊ **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

• **Field Detail**◊ **lIistatDoc**

private java.util.HashMap<java.lang.String, java.util.HashMap<java.la

Container for all the Documents in memory

◊ **lIistaAparicions**

public java.util.TreeMap<java.lang.String, java.lang.Integer> lIistaA

List of all the words in all the Documents and the number of times they appear

◊ **num_doc**

private int num_doc

Number of Documents in memory

◊ **factDatabase**private [FactoriaDB](#) factDatabase

Reference to Database

♦ **Constructor Detail**◊ **CtrlDocumentMem**

```
public CtrlDocumentMem()
    throws FolderNotFoundException,
           DatabaseInconsistentException,
           java.io.IOException,
           org.json.simple.parser.ParseException
```

Default constructor

All Classes

Throws:

[FolderNotFoundException](#)
[DatabaseInconsistentException](#)
[java.io.IOException](#)
[org.json.simple.parser.ParseException](#)

◆ Method Detail

◇ getDoc

```
public Document getDoc (java.lang.String t,  
                        java.lang.String a)  
    throws AuthorTitleNotExistException,  
           AuthorNotExistException
```

Description copied from interface: [CtrlDocument](#)

Get Document

Specified by:

[getDoc](#) in interface [CtrlDocument](#)

Returns:

If it exists, the desired Document

Throws:

[AuthorTitleNotExistException](#)
[AuthorNotExistException](#)

See Also:

[CtrlDocument.getDoc\(java.lang.String,
java.lang.String\)](#)

◇ alta_doc

```
public Document alta_doc (java.lang.String f,  
                          java.lang.String t,  
                          java.lang.String a,  
                          java.lang.String c)  
    throws AuthorTitleJaExistException,  
           DocumentCampNullException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

Description copied from interface: [CtrlDocument](#)

New Document

Specified by:

[alta_doc](#) in interface [CtrlDocument](#)

Returns:

The new Document created

Throws:

[AuthorTitleJaExistException](#)
[DocumentCampNullException](#)
[java.io.IOException](#)
[DatabaseInconsistentException](#)

See Also:

[CtrlDocument.alta_doc\(java.lang.String,
java.lang.String, java.lang.String,
java.lang.String\)](#)

All Classes

◇ **mod_doc**

```
public Document mod_doc (java.lang.String t,  
                        java.lang.String a,  
                        java.lang.String c)  
    throws AutorTitolNoExisteixException,  
           AutorNoExisteixException,  
           DocumentCampNullException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

Description copied from interface: CtrlDocument

Modify Document

Specified by:

mod_doc in interface CtrlDocument

Returns:

The result of modifying the Document

Throws:

AutorTitolNoExisteixException
AutorNoExisteixException
DocumentCampNullException
java.io.IOException
DatabaseInconsistentException

See Also:

CtrlDocument.mod_doc(java.lang.String,
java.lang.String, java.lang.String)

◇ **baixa_doc**

```
public void baixa_doc (java.lang.String t,  
                      java.lang.String a)  
    throws AutorTitolNoExisteixException,  
           AutorNoExisteixException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

Description copied from interface: CtrlDocument

Delete document

Specified by:

baixa_doc in interface CtrlDocument

Throws:

AutorTitolNoExisteixException
AutorNoExisteixException
java.io.IOException
DatabaseInconsistentException

See Also:

CtrlDocument.baixa_doc(java.lang.String,
java.lang.String)

◇ **llistar_titols_unautor**

```
public java.util.ArrayList<java.lang.String> llistar_titols_unautor (  
    throws AutorTitolNoExisteixException,  
           AutorNoExisteixException,  
           java.io.IOException,  
           DatabaseInconsistentException
```

Description copied from interface: CtrlDocument

All Classes

List Title for Author

Specified by:

[llistar titols unautor](#) in interface [CtrlDocument](#)

Returns:

Lists all the Titles of an existing Author

Throws:

[AutorNoExisteixException](#)

See Also:

[CtrlDocument.llistar titols unautor\(java.lang.String\)](#)

◇ **llistarPrefix**

```
public java.util.ArrayList<java.lang.String> llistarPrefix (java.lang
```

Description copied from interface: [CtrlDocument](#)

List by prefix

Specified by:

[llistarPrefix](#) in interface [CtrlDocument](#)

Returns:

List all the Authors that start by the prefix given

See Also:

[CtrlDocument.llistarPrefix\(java.lang.String\)](#)

◇ **mostrar_contingut**

```
public java.lang.String mostrar_contingut (java.lang.String t,  
                                           java.lang.String a)  
                                           throws AutorNoExisteixException,  
                                           AutorTitolNoExisteixException,  
                                           DatabaseInconsistentException,  
                                           java.io.IOException,  
                                           org.json.simple.parser.ParseException
```

Description copied from interface: [CtrlDocument](#)

Returns de Content of a Document in memory, loading it from database if necessary

Specified by:

[mostrar_contingut](#) in interface [CtrlDocument](#)

Returns:

The content of the specified Document

Throws:

[AutorNoExisteixException](#)

[AutorTitolNoExisteixException](#)

[DatabaseInconsistentException](#)

java.io.IOException

org.json.simple.parser.ParseException

See Also:

[CtrlDocument.mostrar_contingut\(java.lang.String,
java.lang.String\)](#)

◇ **get_num_documents**

```
public int get_num_documents()
```

Description copied from interface: [CtrlDocument](#)

Number of Documents

All Classes

Specified by:

[get_num_documents](#) in interface [CtrlDocument](#)

Returns:

The number of existing Documents

See Also:

[CtrlDocument.get_num_documents\(\)](#)

◇ **get_llista_aparicions**

```
public java.util.TreeMap<java.lang.String, java.lang.Integer> get_llista_aparicions()
```

Description copied from interface: [CtrlDocument](#)

Instances of words

Specified by:

[get_llista_aparicions](#) in interface [CtrlDocument](#)

Returns:

The full list of appearances of all words in Documents, with the ammount of times each is found

See Also:

[CtrlDocument.get_llista_aparicions\(\)](#)

◇ **llistar_documents**

```
public java.util.ArrayList<Document> llistar_documents()
```

Description copied from interface: [CtrlDocument](#)

Get All Documents

Specified by:

[llistar_documents](#) in interface [CtrlDocument](#)

Returns:

The list of all Documents in the software

See Also:

[CtrlDocument.llistar_documents\(\)](#)

◇ **actualitzar_aparicions**

```
private void actualitzar_aparicions (java.lang.String t,  
                                     java.lang.String a)
```

Update appearances of a word

Parameters:

t -

a -

◇ **calcular_distancia_docs**

```
private double calcular_distancia_docs (java.util.TreeMap<java.lang.String, java.lang.Integer> t,  
                                         java.util.TreeMap<java.lang.String, java.lang.Integer> a)
```

Compute Distance

Parameters:

llista_metrical -

llista_metrica2 -

Returns:

The distance between 2 Documents using their appearences list

All Classes

◊ **ordenar_per_sembanÃ§a**

```
public java.util.ArrayList<Document> ordenar_per_sembanÃ§a (java.lang.  
java.lang.  
java.lang.  
throws AutorNoExi  
AutorTitol  
FolderNotF  
DatabaseIn  
java.io.IO  
org.json.s
```

Description copied from interface: [CtrlDocument](#)

Get Documents by similarity

Specified by:

[ordenar_per_sembanÃ§a](#) in interface [CtrlDocument](#)

Returns:

Returns a list of k Documents (or num_docs-1 if there are not enough Documents stored) which are most similar to the Document given

Throws:

[AutorNoExisteixException](#)

[AutorTitolNoExisteixException](#)

[FolderNotFoundException](#)

[DatabaseInconsistentException](#)

[java.io.IOException](#)

[org.json.simple.parser.ParseException](#)

See Also:

[CtrlDocument.ordenar_per_sembanÃ§a\(java.lang.String,
java.lang.String, java.lang.Integer\)](#)

◊ **bool_search**

```
public java.util.ArrayList<Document> bool_search (BoolExpression b)
```

Specified by:

[bool_search](#) in interface [CtrlDocument](#)

Returns:

List of Documents that fulfill a given BoolExpression

See Also:

[CtrlDocument.bool_search\(domainlayer.model.BoolExpression\)](#)

◊ **reset**

```
public void reset()  
throws java.io.IOException
```

Specified by:

[reset](#) in interface [CtrlDocument](#)

Throws:

[java.io.IOException](#)

See Also:

[CtrlDocument.reset\(\)](#)

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Package datalayer

- Class Summary

Class	Description
<u>CtrlBoolExpressionMem</u>	
<u>CtrlDocumentMem</u>	

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Hierarchy For Package datalayer

Package Hierarchies:

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Class Hierarchy

- java.lang.Object
 - ◆ datalayer.[CtrlBoolExpressionMem](#) (implements domainlayer.datainterface.[CtrlBoolExpression](#))
 - ◆ datalayer.[CtrlDocumentMem](#) (implements domainlayer.datainterface.[CtrlDocument](#))

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