Deusto Newspaper

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Namespace Index

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Hierarchical Index

2.1 Class Hierarchy

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

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Chapter 5

Namespace Documentation

5.1 Package es

Packages

- package deusto

5.2 Package es.deusto

Packages

- package client

  This is the brief documentation for the Java package es.deusto.client which is a package for the client logic.
- package server

  This is the brief documentation for the Java package es.deusto.server which is a package for the logic of the server.

5.3 Package es.deusto.client

This is the brief documentation for the Java package es.deusto.client which is a package for the client logic.

Packages

- package GUI

  This is the brief documentation for the Java package es.deusto.client.GUI which is a package for the client GUI.

Classes

- class Client
- class ClientTest

5.3.1 Detailed Description

This is the brief documentation for the Java package es.deusto.client which is a package for the client logic.

This class is the first client which initialize the GUI

5.4 Package es.deusto.client.GUI

This is the brief documentation for the Java package es.deusto.client.GUI which is a package for the client GUI.

Classes

- class ArticleWindow
- class LoginWindowUser
- class MainWindow

5.4.1 Detailed Description

This is the brief documentation for the Java package es.deusto.client.GUI which is a package for the client GUI.

This classes are the client GUI

5.5 Package es.deusto.server

This is the brief documentation for the Java package es.deusto.server which is a package for the logic of the server.

Packages

- package jdo

Classes

- interface IServer
- class Server
- class ServerTest

5.5.1 Detailed Description

This is the brief documentation for the Java package es.deusto.server which is a package for the logic of the server.

This class is the server package contains the interface and the class of the server wich communicate with clients and the DB.

5.6 Package es.deusto.server.jdo

Classes

- class Admin
- class AdminTest
- class Article
- class ArticleTest
- class DBTest
- class User
- class UserTest

Chapter 6

Class Documentation

6.1 es.deusto.server.jdo.Admin Class Reference

Inheritance diagram for es.deusto.server.jdo.Admin:

Collaboration diagram for es.deusto.server.jdo.Admin:

Public Member Functions

- Admin (String username, String password, String email, ArrayList< Article > articles)
- Admin (String username, String password, String email)
- void addArticle (Article article)
- void deleteArticle (Article article)
- ArrayList< Article > getOwnArticles ()
- void setOwnArticles (ArrayList< Article > ownArticles)

Public Attributes

- ArrayList< Article > ownArticles = new ArrayList<Article>()

Additional Inherited Members

6.1.1 Detailed Description

The class for the administrator.

Author

albertofdr

Definition at line 17 of file Admin.java.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Admin() [1/2]

```
es.deusto.server.jdo.Admin.Admin (
            String username,
            String password,
            String email,
            ArrayList< Article > articles )
```

Creates an Admin with her articles

Parameters

username	The username of the admin
password	The password of the admin
email	The email of the admin
articles	The articles of the admin

Definition at line 30 of file Admin.java.

6.1.2.2 Admin() [2/2]

```
es.deusto.server.jdo.Admin.Admin (
            String username,
            String password,
            String email )
```

Creates an Admin with zero articles

Parameters

username	The username of the admin
password	The password of the admin
email	The email of the admin

Definition at line 40 of file Admin.java.

6.1.3 Member Function Documentation

6.1.3.1 addArticle()

```
void es.deusto.server.jdo.Admin.addArticle (
            Article article )
```

Parameters

article	To add an article for the Admin

Definition at line 52 of file Admin.java.

6.1.3.2 deleteArticle()

```
void es.deusto.server.jdo.Admin.deleteArticle (
            Article article )
```

Parameters

article	To delete an article

Definition at line 62 of file Admin.java.

6.1.3.3 getOwnArticles()

```
ArrayList<Article> es.deusto.server.jdo.Admin.getOwnArticles ( )
```

Returns

Returns the Admin articles

Definition at line 72 of file Admin.java.

6.1.3.4 setOwnArticles()

```
void es.deusto.server.jdo.Admin.setOwnArticles (
            ArrayList< Article > ownArticles )
```

Parameters

ownArticles	To set articles

Definition at line 80 of file Admin.java.

6.1.4 Member Data Documentation

6.1.4.1 ownArticles

```
ArrayList<Article> es.deusto.server.jdo.Admin.ownArticles = new ArrayList<Article>()
```

Definition at line 21 of file Admin.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/Admin.java

6.2 es.deusto.server.jdo.AdminTest Class Reference

Collaboration diagram for es.deusto.server.jdo.AdminTest:

Public Member Functions

- void setUp ()
- .junit.Test void testApp ()

Static Public Member Functions

- static junit.framework.Test suite ()

6.2.1 Detailed Description

Definition at line 17 of file AdminTest.java.

6.2.2 Member Function Documentation

6.2.2.1 setUp()

```
void es.deusto.server.jdo.AdminTest.setUp ( )
```

Create the test case

Parameters

testName	name of the test case

Returns

Definition at line 41 of file AdminTest.java.

6.2.2.2 suite()

```
static junit.framework.Test es.deusto.server.jdo.AdminTest.suite ( )  [static]
```

Returns

the suite of tests being tested

Definition at line 30 of file AdminTest.java.

6.2.2.3 testApp()

```
.junit.Test void es.deusto.server.jdo.AdminTest.testApp ( )
```

Test of the data

Definition at line 61 of file AdminTest.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/jdo/AdminTest.java

6.3 es.deusto.server.jdo.Article Class Reference

Inheritance diagram for es.deusto.server.jdo.Article:

Collaboration diagram for es.deusto.server.jdo.Article:

Public Member Functions

- Article (String title, String body, String category, int visits, Admin admin)
- Article (String title, String body, String category, Admin admin)
- String getTitle ()
- void setTitle (String title)
- String getBody ()
- void setBody (String body)
- int getVisits ()
- void setVisits (int visits)
- String getCategory ()
- void setCategory (String category)
- boolean equals (Article obj)
- int hashCode ()
- String toString ()
- Admin getAdmin ()
- void setAdmin (Admin admin)

Public Attributes

- String title = ""
- String body = ""
- int visits = 0
- String category = ""
- Admin admin = null

6.3.1 Detailed Description

The class for the Article.

Author

albertofdr

Definition at line 15 of file Article.java.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 Article() [1/2]

```
es.deusto.server.jdo.Article.Article (
            String title,
            String body,
            String category,
            int visits,
            Admin admin )
```

Constructor where you can also set the visits

Parameters

title	The title for the article
body	The body of the article
visits	How many visits the article have
category	The category of the article

Definition at line 30 of file Article.java.

6.3.2.2 Article() [2/2]

```
es.deusto.server.jdo.Article.Article (
            String title,
            String body,
            String category,
            Admin admin )
```

Constructor for a new article where you can't set the visits (Visits == 0)

Parameters

title	The title for the article
body	The body of the article
category	The category of the article

Definition at line 45 of file Article.java.

6.3.3 Member Function Documentation

6.3.3.1 equals()

```
boolean es.deusto.server.jdo.Article.equals (
            Article obj )
```

Compare two articles

Parameters

obj	The article to compare with

Returns

If they are equal or not

Definition at line 126 of file Article.java.

6.3.3.2 getAdmin()

```
Admin es.deusto.server.jdo.Article.getAdmin ( )
```

Definition at line 147 of file Article.java.

6.3.3.3 getBody()

```
String es.deusto.server.jdo.Article.getBody ( )
```

Returns

Return the body of the article

Definition at line 77 of file Article.java.

6.3.3.4 getCategory()

```
String es.deusto.server.jdo.Article.getCategory ( )
```

Returns

Gets you the category of the article

Definition at line 109 of file Article.java.

6.3.3.5 getTitle()

```
String es.deusto.server.jdo.Article.getTitle ( )
```

Returns

The title of this article

Definition at line 61 of file Article.java.

6.3.3.6 getVisits()

```
int es.deusto.server.jdo.Article.getVisits ( )
```

Returns

Return the visits of the article

Definition at line 93 of file Article.java.

6.3.3.7 hashCode()

```
int es.deusto.server.jdo.Article.hashCode ( )
```

Hashcode for the article

Definition at line 136 of file Article.java.

6.3.3.8 setAdmin()

```
void es.deusto.server.jdo.Article.setAdmin (
            Admin admin )
```

Definition at line 151 of file Article.java.

6.3.3.9 setBody()

```
void es.deusto.server.jdo.Article.setBody (
            String body )
```

Parameters

body	Set the new body of the article

Definition at line 85 of file Article.java.

6.3.3.10 setCategory()

```
void es.deusto.server.jdo.Article.setCategory (
            String category )
```

Parameters

category	To set a new category of the article

Definition at line 117 of file Article.java.

6.3.3.11 setTitle()

```
void es.deusto.server.jdo.Article.setTitle (
            String title )
```

Parameters

title	To set a new title

Definition at line 69 of file Article.java.

6.3.3.12 setVisits()

```
void es.deusto.server.jdo.Article.setVisits (
            int visits )
```

Parameters

visits	To set how many visits the article has

Definition at line 101 of file Article.java.

6.3.3.13 toString()

```
String es.deusto.server.jdo.Article.toString ( )
```

Method to print the article

Definition at line 143 of file Article.java.

6.3.4 Member Data Documentation

6.3.4.1 admin

```
Admin es.deusto.server.jdo.Article.admin = null
```

Definition at line 22 of file Article.java.

6.3.4.2 body

```
String es.deusto.server.jdo.Article.body = ""
```

Definition at line 19 of file Article.java.

6.3.4.3 category

```
String es.deusto.server.jdo.Article.category = ""
```

Definition at line 21 of file Article.java.

6.3.4.4 title

```
String es.deusto.server.jdo.Article.title = ""
```

Definition at line 18 of file Article.java.

6.3.4.5 visits

```
int es.deusto.server.jdo.Article.visits = 0
```

Definition at line 20 of file Article.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/Article.java

6.4 es.deusto.server.jdo.ArticleTest Class Reference

Public Member Functions

- void setUp ()
- void testApp ()

Static Public Member Functions

- static junit.framework.Test suite ()

6.4.1 Detailed Description

Definition at line 14 of file ArticleTest.java.

6.4.2 Member Function Documentation

6.4.2.1 setUp()

```
void es.deusto.server.jdo.ArticleTest.setUp ( )
```

Create the test case

Parameters

testName	name of the test case

Returns

Definition at line 37 of file ArticleTest.java.

6.4.2.2 suite()

```
static junit.framework.Test es.deusto.server.jdo.ArticleTest.suite ( )  [static]
```

Returns

the suite of tests being tested

Definition at line 26 of file ArticleTest.java.

6.4.2.3 testApp()

```
void es.deusto.server.jdo.ArticleTest.testApp ( )
```

Test of the data

Definition at line 52 of file ArticleTest.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/jdo/ArticleTest.java

6.5 es.deusto.client.GUI.ArticleWindow Class Reference

Inheritance diagram for es.deusto.client.GUI.ArticleWindow:

Collaboration diagram for es.deusto.client.GUI.ArticleWindow:

Public Member Functions

- ArticleWindow ()

6.5.1 Detailed Description

Definition at line 15 of file ArticleWindow.java.

6.5.2 Constructor & Destructor Documentation

6.5.2.1 ArticleWindow()

```
es.deusto.client.GUI.ArticleWindow.ArticleWindow ( )
```

Definition at line 17 of file ArticleWindow.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/GUI/ArticleWindow.java

6.6 es.deusto.client.Client Class Reference

Collaboration diagram for es.deusto.client.Client:

Public Member Functions

- void connection (String name)

Static Public Member Functions

- static void main (String[] args)

Protected Member Functions

- void menu ()
- void firstArticles () throws RemoteException
- void userActions () throws RemoteException
- void adminActions (Admin adm) throws RemoteException

6.6.1 Detailed Description

Hello world!

Definition at line 25 of file Client.java.

6.6.2 Member Function Documentation

6.6.2.1 adminActions()

```
void es.deusto.client.Client.adminActions (
            Admin adm ) throws RemoteException  [protected]
```

Definition at line 212 of file Client.java.

6.6.2.2 connection()

```
void es.deusto.client.Client.connection (
            String name )
```

Definition at line 49 of file Client.java.

6.6.2.3 firstArticles()

```
void es.deusto.client.Client.firstArticles ( ) throws RemoteException  [protected]
```

Definition at line 135 of file Client.java.

6.6.2.4 main()

```
static void es.deusto.client.Client.main (
            String [] args )  [static]
```

Definition at line 30 of file Client.java.

6.6.2.5 menu()

```
void es.deusto.client.Client.menu ( )  [protected]
```

Definition at line 57 of file Client.java.

6.6.2.6 userActions()

```
void es.deusto.client.Client.userActions ( ) throws RemoteException  [protected]
```

Definition at line 148 of file Client.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/Client.java

6.7 es.deusto.client.ClientTest Class Reference

Inheritance diagram for es.deusto.client.ClientTest:

Collaboration diagram for es.deusto.client.ClientTest:

Public Member Functions

- ClientTest (String testName)
- void testApp () throws RemoteException

Static Public Member Functions

- static Test suite ()

6.7.1 Detailed Description

Unit test for simple App.

Definition at line 13 of file ClientTest.java.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 ClientTest()

```
es.deusto.client.ClientTest.ClientTest (
            String testName )
```

Create the test case

Parameters

testName	name of the test case

Definition at line 21 of file ClientTest.java.

6.7.3 Member Function Documentation

6.7.3.1 suite()

```
static Test es.deusto.client.ClientTest.suite ( )  [static]
```

Returns

the suite of tests being tested

Definition at line 29 of file ClientTest.java.

6.7.3.2 testApp()

```
void es.deusto.client.ClientTest.testApp ( ) throws RemoteException
```

Rigourous Test :-)

Exceptions

RemoteException	

Definition at line 38 of file ClientTest.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/client/ClientTest.java

6.8 es.deusto.server.jdo.DBTest Class Reference

Collaboration diagram for es.deusto.server.jdo.DBTest:

Static Public Member Functions

- static void main (String args[])
- static void deleteDB ()
- static void loadDB ()
- static void basicTestDB ()

6.8.1 Detailed Description

Definition at line 11 of file DBTest.java.

6.8.2 Member Function Documentation

6.8.2.1 basicTestDB()

```
static void es.deusto.server.jdo.DBTest.basicTestDB ( )  [static]
```

Definition at line 103 of file DBTest.java.

6.8.2.2 deleteDB()

```
static void es.deusto.server.jdo.DBTest.deleteDB ( )  [static]
```

Definition at line 26 of file DBTest.java.

6.8.2.3 loadDB()

```
static void es.deusto.server.jdo.DBTest.loadDB ( )  [static]
```

Definition at line 57 of file DBTest.java.

6.8.2.4 main()

```
static void es.deusto.server.jdo.DBTest.main (
            String args[] )  [static]
```

Definition at line 14 of file DBTest.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/DBTest.java

6.9 es.deusto.server.IServer Interface Reference

Inheritance diagram for es.deusto.server.IServer:

Collaboration diagram for es.deusto.server.IServer:

Public Member Functions

- Boolean registerUser (String login, String password, String email) throws RemoteException
- User logIn (String user, String pass) throws RemoteException
- Admin logInAdmin (String user, String pass) throws RemoteException
- Article readArticle (String title) throws RemoteException
- Boolean createArticle (Article art, Admin author) throws RemoteException
- ArrayList< Article > searchArticleCategory (String category) throws RemoteException
- ArrayList< Article > searchArticleAuthor (String author) throws RemoteException
- Boolean deleteArticle (Article art, Admin autho) throws RemoteException
- Boolean editArticle (Article e, String newTitle, String newBody, Admin autho) throws RemoteException
- ArrayList< Article > viewTopArticle () throws RemoteException
- ArrayList< Article > getFirstArticles () throws RemoteException

6.9.1 Detailed Description

Definition at line 16 of file IServer.java.

6.9.2 Member Function Documentation

6.9.2.1 createArticle()

```
Boolean es.deusto.server.IServer.createArticle (
            Article art,
            Admin author ) throws RemoteException
```

To create an article

Parameters

Article	the article to create
Admin	the admin that is creating the article

Returns

boolean true(created) false(not created)

Implemented in es.deusto.server.Server.

6.9.2.2 deleteArticle()

```
Boolean es.deusto.server.IServer.deleteArticle (
            Article art,
            Admin autho ) throws RemoteException
```

To delete an existing article

Parameters

Article,the	one to be deleted that must be searched in the db
Admin,the	one that is deleting the article

Returns

boolean true(deleted) false(not deleted)

Implemented in es.deusto.server.Server.

6.9.2.3 editArticle()

```
Boolean es.deusto.server.IServer.editArticle (
            Article e,
            String newTitle,
            String newBody,
            Admin autho ) throws RemoteException
```

To edit an article

Parameters

Article,the	one to edit that must be searched in db
String	newTitle, the new title that must be given to the article
boolean	changeTitle, whether the title must be changed or not
String	newBody, the new body that must be given to the article
boolean	changeBody, whether the body must be changed or not
Admin,the	one that is editing the article

Returns

boolean true(edited) false(not edited)

Implemented in es.deusto.server.Server.

6.9.2.4 getFirstArticles()

```
ArrayList<Article> es.deusto.server.IServer.getFirstArticles ( ) throws RemoteException
```

Returns the articles that see the user when enters

Returns

ArrayList<Article> Returns the articles that the user will see in the timeline

Implemented in es.deusto.server.Server.

6.9.2.5 logIn()

```
User es.deusto.server.IServer.logIn (
            String user,
            String pass ) throws RemoteException
```

To log in a USER

Parameters

user	The username of the person
pass	the p logger.info("---The article does not exist in the db, so it cannot be edited---"); assword of that person

Returns

Returns the user of that person

Implemented in es.deusto.server.Server.

6.9.2.6 logInAdmin()

```
Admin es.deusto.server.IServer.logInAdmin (
            String user,
            String pass ) throws RemoteException
```

To log in a ADMIN

Parameters

user	The username of the person
pass	the password of that person

Returns

Returns the admin of that person

Implemented in es.deusto.server.Server.

6.9.2.7 readArticle()

```
Article es.deusto.server.IServer.readArticle (
            String title ) throws RemoteException
```

You send the title of an article which is the one that you want to read and returns the article.

Parameters

String	The title of the article

Returns

Article Returns the article

Implemented in es.deusto.server.Server.

6.9.2.8 registerUser()

```
Boolean es.deusto.server.IServer.registerUser (
            String login,
            String password,
            String email ) throws RemoteException
```

Register a user in the DB

Parameters

login	The username of the person
password	The password of the person
email	The email of the person

Returns

Returns a Boolean, if the transaction works well returns true

Implemented in es.deusto.server.Server.

6.9.2.9 searchArticleAuthor()

```
ArrayList<Article> es.deusto.server.IServer.searchArticleAuthor (
            String author ) throws RemoteException
```

Search the articles of one author

Parameters

String	The name of the author we want to read

Returns

ArrayList<Article> returns the list of articles of that author

Implemented in es.deusto.server.Server.

6.9.2.10 searchArticleCategory()

```
ArrayList<Article> es.deusto.server.IServer.searchArticleCategory (
            String category ) throws RemoteException
```

Search the articles which have one category

Parameters

String	The category we want to read

Returns

ArrayList<Article> returns the list of articles with that category

Implemented in es.deusto.server.Server.

6.9.2.11 viewTopArticle()

```
ArrayList<Article> es.deusto.server.IServer.viewTopArticle ( ) throws RemoteException
```

A method which search the most visited articles

Returns

ArrayList<Article> returns the top articles

Implemented in es.deusto.server.Server.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/IServer.java

6.10 es.deusto.client.GUI.LoginWindowUser Class Reference

Inheritance diagram for es.deusto.client.GUI.LoginWindowUser:

Collaboration diagram for es.deusto.client.GUI.LoginWindowUser:

Public Member Functions

- LoginWindowUser (MainWindow mainWindow, int tipo)

6.10.1 Detailed Description

Definition at line 30 of file LoginWindowUser.java.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 LoginWindowUser()

```
es.deusto.client.GUI.LoginWindowUser.LoginWindowUser (
            MainWindow mainWindow,
            int tipo )
```

Definition at line 36 of file LoginWindowUser.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/GUI/LoginWindowUser.java

6.11 es.deusto.client.GUI.MainWindow Class Reference

Inheritance diagram for es.deusto.client.GUI.MainWindow:

Collaboration diagram for es.deusto.client.GUI.MainWindow:

Public Member Functions

- MainWindow ()

6.11.1 Detailed Description

Definition at line 20 of file MainWindow.java.

6.11.2 Constructor & Destructor Documentation

6.11.2.1 MainWindow()

```
es.deusto.client.GUI.MainWindow.MainWindow ( )
```

Definition at line 24 of file MainWindow.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/GUI/MainWindow.java

6.12 es.deusto.server.Server Class Reference

Inheritance diagram for es.deusto.server.Server:

Collaboration diagram for es.deusto.server.Server:

Public Member Functions

- Server () throws RemoteException
- synchronized Boolean registerUser (String login, String password, String email) throws RemoteException
- synchronized User logIn (String user, String pass) throws RemoteException
- synchronized Admin logInAdmin (String user, String pass) throws RemoteException
- synchronized Article readArticle (String Title) throws RemoteException
- synchronized Boolean createArticle (Article art, Admin autho) throws RemoteException
- synchronized Boolean editArticle (Article art, String newTitle, String newBody, Admin autho) throws Remote↩ Exception
- synchronized Boolean deleteArticle (Article art, Admin autho) throws RemoteException
- synchronized ArrayList< Article > searchArticleCategory (String category) throws RemoteException
- synchronized ArrayList< Article > searchArticleAuthor (String author) throws RemoteException
- synchronized ArrayList< Article > viewTopArticle () throws RemoteException
- synchronized ArrayList< Article > getFirstArticles ()

Static Public Member Functions

- static void loadDB ()
- static void main (String[] args)

Protected Member Functions

- void finalize () throws Throwable

6.12.1 Detailed Description

This is the server class wich communicates with the clients and register the user or the articles in the DB.

Author

Alberto

Definition at line 37 of file Server.java.

6.12.2 Constructor & Destructor Documentation

6.12.2.1 Server()

```
es.deusto.server.Server.Server ( ) throws RemoteException
```

The constructor of the class (Persistence manager, transaction...)

Exceptions

RemoteException	

Definition at line 49 of file Server.java.

6.12.3 Member Function Documentation

6.12.3.1 createArticle()

```
synchronized Boolean es.deusto.server.Server.createArticle (
            Article art,
            Admin autho ) throws RemoteException
```

To create an article

Parameters

Article	the article to create
Admin	the admin that is creating the article

Returns

boolean true(created) false(not created)

Implements es.deusto.server.IServer.

Definition at line 197 of file Server.java.

6.12.3.2 deleteArticle()

```
synchronized Boolean es.deusto.server.Server.deleteArticle (
            Article art,
            Admin autho ) throws RemoteException
```

To delete an existing article

Parameters

Article,the	one to be deleted that must be searched in the db
Admin,the	one that is deleting the article

Returns

boolean true(deleted) false(not deleted)

Implements es.deusto.server.IServer.

Definition at line 296 of file Server.java.

6.12.3.3 editArticle()

```
synchronized Boolean es.deusto.server.Server.editArticle (
            Article art,
            String newTitle,
            String newBody,
            Admin autho ) throws RemoteException
```

To edit an article

Parameters

Article,the	one to edit that must be searched in db
String	newTitle, the new title that must be given to the article
boolean	changeTitle, whether the title must be changed or not
String	newBody, the new body that must be given to the article
boolean	changeBody, whether the body must be changed or not
Admin,the	one that is editing the article

Returns

boolean true(edited) false(not edited)

Implements es.deusto.server.IServer.

Definition at line 247 of file Server.java.

6.12.3.4 finalize()

```
void es.deusto.server.Server.finalize ( ) throws Throwable  [protected]
```

To finalize the transaction

Definition at line 59 of file Server.java.

6.12.3.5 getFirstArticles()

```
synchronized ArrayList<Article> es.deusto.server.Server.getFirstArticles ( )
```

Returns the articles that see the user when enters

Returns

ArrayList<Article> Returns the articles that the user will see in the timeline

Implements es.deusto.server.IServer.

Definition at line 417 of file Server.java.

6.12.3.6 loadDB()

```
static void es.deusto.server.Server.loadDB ( )  [static]
```

This method is used to enter the initial data for the Database, like users, articles, admins...

Definition at line 441 of file Server.java.

6.12.3.7 logIn()

```
synchronized User es.deusto.server.Server.logIn (
            String user,
            String pass ) throws RemoteException
```

To log in a USER

Parameters

user	The username of the person
pass	the p logger.info("---The article does not exist in the db, so it cannot be edited---"); assword of that person

Returns

Returns the user of that person

Implements es.deusto.server.IServer.

Definition at line 107 of file Server.java.

6.12.3.8 logInAdmin()

```
synchronized Admin es.deusto.server.Server.logInAdmin (
            String user,
            String pass ) throws RemoteException
```

To log in a ADMIN

Parameters

user	The username of the person
pass	the password of that person

Returns

Returns the admin of that person

Implements es.deusto.server.IServer.

Definition at line 141 of file Server.java.

6.12.3.9 main()

```
static void es.deusto.server.Server.main (
            String [] args )  [static]
```

Definition at line 487 of file Server.java.

6.12.3.10 readArticle()

```
synchronized Article es.deusto.server.Server.readArticle (
            String Title ) throws RemoteException
```

You send the title of an article which is the one that you want to read and returns the article.

Parameters

String	The title of the article

Returns

Article Returns the article

Implements es.deusto.server.IServer.

Definition at line 172 of file Server.java.

6.12.3.11 registerUser()

```
synchronized Boolean es.deusto.server.Server.registerUser (
            String login,
            String password,
            String email ) throws RemoteException
```

Register a user in the DB

Parameters

login	The username of the person
password	The password of the person
email	The email of the person

Returns

Returns a Boolean, if the transaction works well returns true

Implements es.deusto.server.IServer.

Definition at line 74 of file Server.java.

6.12.3.12 searchArticleAuthor()

```
synchronized ArrayList<Article> es.deusto.server.Server.searchArticleAuthor (
            String author ) throws RemoteException
```

Search the articles of one author

Parameters

String	The name of the author we want to read

Returns

ArrayList<Article> returns the list of articles of that author

Implements es.deusto.server.IServer.

Definition at line 347 of file Server.java.

6.12.3.13 searchArticleCategory()

```
synchronized ArrayList<Article> es.deusto.server.Server.searchArticleCategory (
            String category ) throws RemoteException
```

Search the articles which have one category

Parameters

String	The category we want to read

Returns

ArrayList<Article> returns the list of articles with that category

Implements es.deusto.server.IServer.

Definition at line 325 of file Server.java.

6.12.3.14 viewTopArticle()

```
synchronized ArrayList<Article> es.deusto.server.Server.viewTopArticle ( ) throws Remote↩
Exception
```

A method which search the most visited articles

Returns

ArrayList<Article> returns the top articles

Implements es.deusto.server.IServer.

Definition at line 375 of file Server.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/Server.java

6.13 es.deusto.server.ServerTest Class Reference

Collaboration diagram for es.deusto.server.ServerTest:

Public Member Functions

- void setUp ()
- .junit.Test void testLogInUser () throws RemoteException, InterruptedException
- .junit.Test void testLogInAdmin () throws RemoteException
- .junit.Test void testRegister () throws RemoteException, InterruptedException
- .junit.Test void testArticlesManagement () throws RemoteException, InterruptedException
- .junit.Test void getFirstArticles () throws RemoteException, InterruptedException

Static Public Member Functions

- static junit.framework.Test suite ()

Public Attributes

- ContiPerfRule rule = new ContiPerfRule()

6.13.1 Detailed Description

Unit test for the server part.

Definition at line 47 of file ServerTest.java.

6.13.2 Member Function Documentation

6.13.2.1 getFirstArticles()

```
.junit.Test void es.deusto.server.ServerTest.getFirstArticles ( ) throws RemoteException,
InterruptedException
```

Definition at line 126 of file ServerTest.java.

6.13.2.2 setUp()

```
void es.deusto.server.ServerTest.setUp ( )
```

Definition at line 63 of file ServerTest.java.

6.13.2.3 suite()

```
static junit.framework.Test es.deusto.server.ServerTest.suite ( )  [static]
```

Returns

the suite of tests being tested

Definition at line 58 of file ServerTest.java.

6.13.2.4 testArticlesManagement()

```
.junit.Test void es.deusto.server.ServerTest.testArticlesManagement ( ) throws RemoteException,
InterruptedException
```

Definition at line 101 of file ServerTest.java.

6.13.2.5 testLogInAdmin()

```
.junit.Test void es.deusto.server.ServerTest.testLogInAdmin ( ) throws RemoteException
```

Definition at line 86 of file ServerTest.java.

6.13.2.6 testLogInUser()

```
.junit.Test void es.deusto.server.ServerTest.testLogInUser ( ) throws RemoteException, Interrupted↩
Exception
```

Definition at line 78 of file ServerTest.java.

6.13.2.7 testRegister()

```
.junit.Test void es.deusto.server.ServerTest.testRegister ( ) throws RemoteException, Interrupted↩
Exception
```

Definition at line 94 of file ServerTest.java.

6.13.3 Member Data Documentation

6.13.3.1 rule

```
ContiPerfRule es.deusto.server.ServerTest.rule = new ContiPerfRule()
```

Definition at line 53 of file ServerTest.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/ServerTest.java

6.14 es.deusto.server.jdo.User Class Reference

Inheritance diagram for es.deusto.server.jdo.User:

Collaboration diagram for es.deusto.server.jdo.User:

Public Member Functions

- User (String username, String password, String email)
- String getLogin ()
- String getPassword ()
- void setUsername (String user)
- void setPassword (String password)
- String getEmail ()
- boolean equals (User obj)
- int hashCode ()
- String toString ()

Public Attributes

- String username
- String password
- String email

Protected Member Functions

- User ()

6.14.1 Detailed Description

The class for the normal user.

Author

albertofdr

Definition at line 14 of file User.java.

6.14.2 Constructor & Destructor Documentation

6.14.2.1 User() [1/2]

```
es.deusto.server.jdo.User.User (
            String username,
            String password,
            String email )
```

Parameters

username	The name of the User
password	The password that will use for login
email	The email of that person

Definition at line 27 of file User.java.

6.14.2.2 User() [2/2]

```
es.deusto.server.jdo.User.User ( )  [protected]
```

Definition at line 33 of file User.java.

6.14.3 Member Function Documentation

6.14.3.1 equals()

```
boolean es.deusto.server.jdo.User.equals (
            User obj )
```

Compare two users if they are the same

Parameters

obj	A user to compare

Returns

Return if the two user are equals

Definition at line 81 of file User.java.

6.14.3.2 getEmail()

```
String es.deusto.server.jdo.User.getEmail ( )
```

Returns

Set a new email for the user

Definition at line 72 of file User.java.

6.14.3.3 getLogin()

```
String es.deusto.server.jdo.User.getLogin ( )
```

Returns

Gets you the username of this user

Definition at line 39 of file User.java.

6.14.3.4 getPassword()

```
String es.deusto.server.jdo.User.getPassword ( )
```

Returns

Gets you the password of this user

Definition at line 47 of file User.java.

6.14.3.5 hashCode()

```
int es.deusto.server.jdo.User.hashCode ( )
```

Hashcode for the user

Definition at line 93 of file User.java.

6.14.3.6 setPassword()

```
void es.deusto.server.jdo.User.setPassword (
            String password )
```

Parameters

password	Set a new password of the user

Definition at line 64 of file User.java.

6.14.3.7 setUsername()

```
void es.deusto.server.jdo.User.setUsername (
            String user )
```

Parameters

user	Set a new username of the user

Definition at line 55 of file User.java.

6.14.3.8 toString()

```
String es.deusto.server.jdo.User.toString ( )
```

Method to print the user

Definition at line 101 of file User.java.

6.14.4 Member Data Documentation

6.14.4.1 email

```
String es.deusto.server.jdo.User.email
```

Definition at line 19 of file User.java.

6.14.4.2 password

```
String es.deusto.server.jdo.User.password
```

Definition at line 18 of file User.java.

6.14.4.3 username

```
String es.deusto.server.jdo.User.username
```

Definition at line 17 of file User.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/User.java

6.15 es.deusto.server.jdo.UserTest Class Reference

Public Member Functions

- void UserTest ()
- .junit.Test void testApp ()

Static Public Member Functions

- static junit.framework.Test suite ()

6.15.1 Detailed Description

Definition at line 14 of file UserTest.java.

6.15.2 Constructor & Destructor Documentation

6.15.2.1 UserTest()

```
void es.deusto.server.jdo.UserTest.UserTest ( )
```

Create the test case

Parameters

testName	name of the test case

Definition at line 33 of file UserTest.java.

6.15.3 Member Function Documentation

6.15.3.1 suite()

```
static junit.framework.Test es.deusto.server.jdo.UserTest.suite ( )  [static]
```

Returns

the suite of tests being tested

Definition at line 24 of file UserTest.java.

6.15.3.2 testApp()

```
.junit.Test void es.deusto.server.jdo.UserTest.testApp ( )
```

Test of the data

Definition at line 45 of file UserTest.java.

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

- /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/jdo/UserTest.java

Chapter 7

File Documentation

7.1 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/Client.java File Reference

Classes

- class es.deusto.client.Client

Packages

- package es.deusto.client

  This is the brief documentation for the Java package es.deusto.client which is a package for the client logic.

7.2 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/GUI/ArticleWindow.java File Reference

Classes

- class es.deusto.client.GUI.ArticleWindow

Packages

- package es.deusto.client.GUI

  This is the brief documentation for the Java package es.deusto.client.GUI which is a package for the client GUI.

7.3 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/GUI/LoginWindow↩ User.java File Reference

Classes

- class es.deusto.client.GUI.LoginWindowUser

Packages

- package es.deusto.client.GUI

  This is the brief documentation for the Java package es.deusto.client.GUI which is a package for the client GUI.

7.4 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/client/GUI/MainWindow.java File Reference

Classes

- class es.deusto.client.GUI.MainWindow

Packages

- package es.deusto.client.GUI

  This is the brief documentation for the Java package es.deusto.client.GUI which is a package for the client GUI.

7.5 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/IServer.java File Reference

Classes

- interface es.deusto.server.IServer

Packages

- package es.deusto.server

  This is the brief documentation for the Java package es.deusto.server which is a package for the logic of the server.

7.6 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/Admin.java File Reference

Classes

- class es.deusto.server.jdo.Admin

Packages

- package es.deusto.server.jdo

7.7 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/Article.java File Reference

Classes

- class es.deusto.server.jdo.Article

Packages

- package es.deusto.server.jdo

7.8 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/DBTest.java File Reference

Classes

- class es.deusto.server.jdo.DBTest

Packages

- package es.deusto.server.jdo

7.9 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/jdo/User.java File Reference

Classes

- class es.deusto.server.jdo.User

Packages

- package es.deusto.server.jdo

7.10 /home/albertofdr/git/BSPQ19-E3/src/main/java/es/deusto/server/Server.java File Reference

Classes

- class es.deusto.server.Server

Packages

- package es.deusto.server

  This is the brief documentation for the Java package es.deusto.server which is a package for the logic of the server.

7.11 /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/client/ClientTest.java File Reference

Classes

- class es.deusto.client.ClientTest

Packages

- package es.deusto.client

  This is the brief documentation for the Java package es.deusto.client which is a package for the client logic.

7.12 /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/jdo/AdminTest.java File Reference

Classes

- class es.deusto.server.jdo.AdminTest

Packages

- package es.deusto.server.jdo

7.13 /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/jdo/ArticleTest.java File Reference

Classes

- class es.deusto.server.jdo.ArticleTest

Packages

- package es.deusto.server.jdo

7.14 /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/jdo/UserTest.java File Reference

Classes

- class es.deusto.server.jdo.UserTest

Packages

- package es.deusto.server.jdo

7.15 /home/albertofdr/git/BSPQ19-E3/src/test/java/es/deusto/server/ServerTest.java File Reference

Classes

- class es.deusto.server.ServerTest

Packages

- package es.deusto.server

  This is the brief documentation for the Java package es.deusto.server which is a package for the logic of the server.

7.16 /home/albertofdr/git/BSPQ19-E3/src/test/java/RMITest.java File Reference