

SPQ-03 Doxygen

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Chapter 1

Namespace Index

1.1 Packages

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

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es.deusto	9
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es.deusto.server.db.dao	10
es.deusto.server.db.data	10
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Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

es.deusto.server.db.dao.IDAO	19
es.deusto.server.db.dao.DAO	13
es.deusto.server.db.IDB	22
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es.deusto.client.NewProdWindow	38
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Serializable	
es.deusto.server.db.data.Money	35
es.deusto.server.db.data.Product	39
es.deusto.server.db.data.User	47
UnicastRemoteObject	
es.deusto.server.remote.Transferer	42

Chapter 3

Class Index

3.1 Class List

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

es.deusto.client.Client	11
es.deusto.server.db.dao.DAO	13
es.deusto.server.db.DB	16
es.deusto.server.db.dao.IDAO	19
es.deusto.server.db.IDB	22
es.deusto.server.remote.ITransferer	24
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es.deusto.server.db.data.User	47

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/client/ Client.java	53
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/client/ NewProdWindow.java	53
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/ Server.java	56
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/ DB.java	55
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/ IDB.java	55
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/dao/ DAO.java	53
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/dao/ IDAO.java	54
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/ Money.java	54
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/ Product.java	54
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/ User.java	54
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/remote/ ITransferer.java	55
C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/remote/ Transferer.java	55
C:/Users/Oihane/git/SPQ03/spq03/src/test/java/es/deusto/server/ JUnitTest.java	56

Chapter 5

Namespace Documentation

5.1 Package es

Packages

- package [deusto](#)

5.2 Package es.deusto

Packages

- package [client](#)
- package [server](#)

5.3 Package es.deusto.client

Classes

- class [Client](#)
- class [NewProdWindow](#)

5.4 Package es.deusto.server

Packages

- package [db](#)
- package [remote](#)

Classes

- class [JUnitTest](#)
- class [Server](#)

5.5 Package es.deusto.server.db

Packages

- package [dao](#)
- package [data](#)

Classes

- class [DB](#)
- interface [IDB](#)

5.6 Package es.deusto.server.db.dao

Classes

- class [DAO](#)
- interface [IDAO](#)

5.7 Package es.deusto.server.db.data

Classes

- class [Money](#)
- class [Product](#)
- class [User](#)

5.8 Package es.deusto.server.remote

Classes

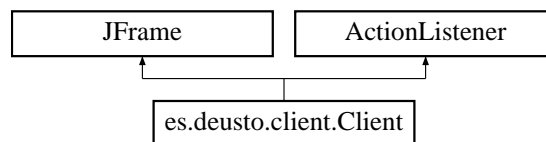
- interface [ITransferer](#)
- class [Transferer](#)

Chapter 6

Class Documentation

6.1 es.deusto.client.Client Class Reference

Inheritance diagram for es.deusto.client.Client:



Public Member Functions

- `Client ()`
- `void actionPerformed (ActionEvent e)`
- `void rellenarTablaProd (ArrayList< Product > pList)`
- `void rellenarTablaUser (ArrayList< User > uList)`

Static Public Member Functions

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

6.1.1 Detailed Description

Definition at line 29 of file `Client.java`.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Client()

```
es.deusto.client.Client.Client ( )
```

Generates a [Client](#) Window with all the different attributes it has, begins with a log in and then allows the user to send money, search a product, insert new products, search for all the users (if it has permission), etc.

Definition at line 64 of file Client.java.

6.1.3 Member Function Documentation

6.1.3.1 actionPerformed()

```
void es.deusto.client.Client.actionPerformed (
    ActionEvent e )
```

Definition at line 225 of file Client.java.

6.1.3.2 main()

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

Definition at line 201 of file Client.java.

6.1.3.3 rellenarTablaProd()

```
void es.deusto.client.Client.rellenarTablaProd (
    ArrayList< Product > pList )
```

Fill the table (this.table) with the ArrayList set by parameter after switching the title of the second column to "↔ Description"

Parameters

<i>pList</i>	The list of all the products inside the DB
--------------	--

Definition at line 334 of file Client.java.

6.1.3.4 rellenarTablaUser()

```
void es.deusto.client.Client.rellenarTablaUser (
    ArrayList< User > uList )
```

Fill the table (this.table) with the ArrayList set by parameter after switching the title of the second column to "← Password"

Parameters

<i>uList</i>	The list of all the users inside the DB
--------------	---

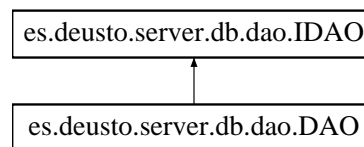
Definition at line 356 of file Client.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/client/[Client.java](#)

6.2 es.deusto.server.db.dao.DAO Class Reference

Inheritance diagram for es.deusto.server.db.dao.DAO:



Public Member Functions

- [DAO](#) ()
- boolean [storeUser](#) ([User](#) u)
- List< [User](#) > [getAllUser](#) ()
- [User](#) [retrieveUser](#) (String login)
- boolean [updateUser](#) ([User](#) u)
- boolean [storeProd](#) ([Product](#) p)
- List< [Product](#) > [getAllProd](#) ()
- [Product](#) [retrieveProdSearch](#) (String name)
- boolean [updateProd](#) ([Product](#) p)
- boolean [storeMoney](#) ([Money](#) m)
- [Money](#) [retrieveMoney](#) (int amount)
- boolean [updateMoney](#) ([Money](#) m)

6.2.1 Detailed Description

Definition at line 12 of file DAO.java.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 DAO()

```
es.deusto.server.db.dao.DAO.DAO ( )
```

Definition at line 16 of file DAO.java.

6.2.3 Member Function Documentation

6.2.3.1 getAllProd()

```
List<Product> es.deusto.server.db.dao.DAO.getAllProd ( )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 151 of file DAO.java.

6.2.3.2 getAllUser()

```
List<User> es.deusto.server.db.dao.DAO.getAllUser ( )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 46 of file DAO.java.

6.2.3.3 retrieveMoney()

```
Money es.deusto.server.db.dao.DAO.retrieveMoney (
    int amount )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 254 of file DAO.java.

6.2.3.4 retrieveProdSearch()

```
Product es.deusto.server.db.dao.DAO.retrieveProdSearch (
    String name )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 181 of file DAO.java.

6.2.3.5 retrieveUser()

```
User es.deusto.server.db.dao.DAO.retrieveUser (
    String login )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 79 of file DAO.java.

6.2.3.6 storeMoney()

```
boolean es.deusto.server.db.dao.DAO.storeMoney (
    Money m )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 230 of file DAO.java.

6.2.3.7 storeProd()

```
boolean es.deusto.server.db.dao.DAO.storeProd (
    Product p )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 128 of file DAO.java.

6.2.3.8 storeUser()

```
boolean es.deusto.server.db.dao.DAO.storeUser (
    User u )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 21 of file DAO.java.

6.2.3.9 updateMoney()

```
boolean es.deusto.server.db.dao.DAO.updateMoney (
    Money m )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 279 of file DAO.java.

6.2.3.10 updateProd()

```
boolean es.deusto.server.db.dao.DAO.updateProd (
    Product p )
```

Implements [es.deusto.server.db.dao.IDAO](#).

Definition at line 208 of file DAO.java.

6.2.3.11 updateUser()

```
boolean es.deusto.server.db.dao.DAO.updateUser (
    User u )
```

Implements [es.deusto.server.db.dao.IDAO](#).

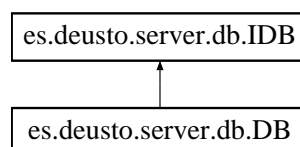
Definition at line 105 of file DAO.java.

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

- [C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/dao/DAO.java](#)

6.3 es.deusto.server.db.DB Class Reference

Inheritance diagram for es.deusto.server.db.DB:



Public Member Functions

- [DB](#) ()
- [DB](#) ([IDAO](#) idao)
- List< [Product](#) > [getAllProd](#) ()
- [Product](#) [showProd](#) (String name)
- [User](#) [showUser](#) (String login)
- boolean [insertProd](#) ([Product](#) p)
- boolean [insertUser](#) ([User](#) u)
- boolean [insertMoney](#) ([Money](#) m)
- boolean [buyProd](#) (String loginB, String loginS, String name, int amount)

6.3.1 Detailed Description

Definition at line 16 of file DB.java.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 [DB\(\)](#) [1/2]

```
es.deusto.server.db.DB.DB ( )
```

Definition at line 23 of file DB.java.

6.3.2.2 [DB\(\)](#) [2/2]

```
es.deusto.server.db.DB.DB (  
    IDAO idao )
```

Definition at line 28 of file DB.java.

6.3.3 Member Function Documentation

6.3.3.1 [buyProd\(\)](#)

```
boolean es.deusto.server.db.DB.buyProd (  
    String loginB,  
    String loginS,  
    String name,  
    int amount )
```

Implements [es.deusto.server.db.IDB](#).

Definition at line 134 of file DB.java.

6.3.3.2 getAllProd()

```
List<Product> es.deusto.server.db.DB.getAllProd ( )
```

Implements [es.deusto.server.db.IDB](#).

Definition at line 34 of file DB.java.

6.3.3.3 insertMoney()

```
boolean es.deusto.server.db.DB.insertMoney (
    Money m )
```

Implements [es.deusto.server.db.IDB](#).

Definition at line 113 of file DB.java.

6.3.3.4 insertProd()

```
boolean es.deusto.server.db.DB.insertProd (
    Product p )
```

Implements [es.deusto.server.db.IDB](#).

Definition at line 67 of file DB.java.

6.3.3.5 insertUser()

```
boolean es.deusto.server.db.DB.insertUser (
    User u )
```

Implements [es.deusto.server.db.IDB](#).

Definition at line 90 of file DB.java.

6.3.3.6 showProd()

```
Product es.deusto.server.db.DB.showProd (
    String name )
```

Implements [es.deusto.server.db.IDB](#).

Definition at line 45 of file DB.java.

6.3.3.7 showUser()

```
User es.deusto.server.db.DB.showUser (
    String login )
```

Implements [es.deusto.server.db.IDB](#).

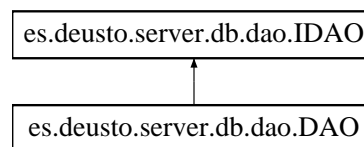
Definition at line 56 of file DB.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/[DB.java](#)

6.4 es.deusto.server.db.dao.IDAO Interface Reference

Inheritance diagram for es.deusto.server.db.dao.IDAO:



Public Member Functions

- boolean [storeUser](#) ([User](#) u)
- List< [User](#) > [getAllUser](#) ()
- [User](#) [retrieveUser](#) (String login)
- boolean [updateUser](#) ([User](#) u)
- boolean [storeProd](#) ([Product](#) p)
- List< [Product](#) > [getAllProd](#) ()
- [Product](#) [retrieveProdSearch](#) (String name)
- boolean [updateProd](#) ([Product](#) p)
- boolean [storeMoney](#) ([Money](#) m)
- [Money](#) [retrieveMoney](#) (int amount)
- boolean [updateMoney](#) ([Money](#) m)

6.4.1 Detailed Description

Definition at line 7 of file IDAO.java.

6.4.2 Member Function Documentation

6.4.2.1 getAllProd()

```
List<Product> es.deusto.server.db.dao.IDAO.getAllProd ( )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.2 getAllUser()

```
List<User> es.deusto.server.db.dao.IDAO.getAllUser ( )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.3 retrieveMoney()

```
Money es.deusto.server.db.dao.IDAO.retrieveMoney (
    int amount )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.4 retrieveProdSearch()

```
Product es.deusto.server.db.dao.IDAO.retrieveProdSearch (
    String name )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.5 retrieveUser()

```
User es.deusto.server.db.dao.IDAO.retrieveUser (
    String login )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.6 storeMoney()

```
boolean es.deusto.server.db.dao.IDAO.storeMoney (
    Money m )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.7 storeProd()

```
boolean es.deusto.server.db.dao.IDAO.storeProd (
    Product p )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.8 storeUser()

```
boolean es.deusto.server.db.dao.IDAO.storeUser (
    User u )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.9 updateMoney()

```
boolean es.deusto.server.db.dao.IDAO.updateMoney (
    Money m )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.10 updateProd()

```
boolean es.deusto.server.db.dao.IDAO.updateProd (
    Product p )
```

Implemented in [es.deusto.server.db.dao.DAO](#).

6.4.2.11 updateUser()

```
boolean es.deusto.server.db.dao.IDAO.updateUser (
    User u )
```

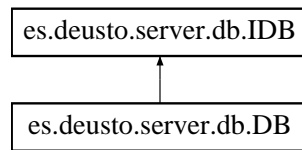
Implemented in [es.deusto.server.db.dao.DAO](#).

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/dao/[IDAO.java](#)

6.5 es.deusto.server.db.IDB Interface Reference

Inheritance diagram for es.deusto.server.db.IDB:



Public Member Functions

- List< [Product](#) > [getAllProd](#) ()
- boolean [buyProd](#) (String loginB, String loginS, String name, int amount)
- boolean [insertUser](#) ([User](#) u)
- boolean [insertProd](#) ([Product](#) p)
- boolean [insertMoney](#) ([Money](#) m)
- [Product](#) [showProd](#) (String name)
- [User](#) [showUser](#) (String login)

6.5.1 Detailed Description

Definition at line 8 of file IDB.java.

6.5.2 Member Function Documentation

6.5.2.1 buyProd()

```
boolean es.deusto.server.db.IDB.buyProd (
    String loginB,
    String loginS,
    String name,
    int amount )
```

Implemented in [es.deusto.server.db.DB](#).

6.5.2.2 getAllProd()

```
List<Product> es.deusto.server.db.IDB.getAllProd ( )
```

Implemented in [es.deusto.server.db.DB](#).

6.5.2.3 insertMoney()

```
boolean es.deusto.server.db.IDB.insertMoney (
    Money m )
```

Implemented in [es.deusto.server.db.DB](#).

6.5.2.4 insertProd()

```
boolean es.deusto.server.db.IDB.insertProd (
    Product p )
```

Implemented in [es.deusto.server.db.DB](#).

6.5.2.5 insertUser()

```
boolean es.deusto.server.db.IDB.insertUser (
    User u )
```

Implemented in [es.deusto.server.db.DB](#).

6.5.2.6 showProd()

```
Product es.deusto.server.db.IDB.showProd (
    String name )
```

Implemented in [es.deusto.server.db.DB](#).

6.5.2.7 showUser()

```
User es.deusto.server.db.IDB.showUser (
    String login )
```

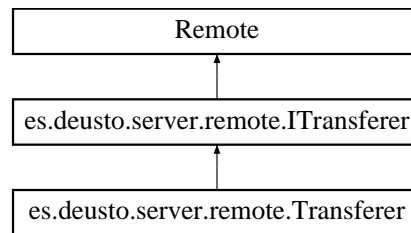
Implemented in [es.deusto.server.db.DB](#).

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/[IDB.java](#)

6.6 es.deusto.server.remote.ITransferer Interface Reference

Inheritance diagram for es.deusto.server.remote.ITransferer:



Public Member Functions

- boolean [sendMoney](#) (String loginR, int amount, String loginS) throws RemoteException
- ArrayList< [User](#) > [getAllUser](#) () throws RemoteException
- boolean [registerUser](#) ([User](#) u) throws RemoteException
- [User](#) [getUser](#) (String login) throws RemoteException
- ArrayList< [Product](#) > [getAllProd](#) () throws RemoteException
- [Product](#) [searchProd](#) (String name) throws RemoteException
- boolean [buyProd](#) (String loginB, [Product](#) p, int amount, String loginS) throws RemoteException
- boolean [registerProd](#) ([Product](#) p) throws RemoteException

6.6.1 Detailed Description

Definition at line 10 of file ITransferer.java.

6.6.2 Member Function Documentation

6.6.2.1 buyProd()

```

boolean es.deusto.server.remote.ITransferer.buyProd (
    String loginB,
    Product p,
    int amount,
    String loginS ) throws RemoteException
  
```

This method allows the user with loginB to buy a product p to the user with loginS for the amount of money specified

Parameters

<i>loginB</i>	The PK that identifies the buyer
<i>p</i>	The Product to be bought
<i>amount</i>	The quantity to be spent on the transaction
<i>loginS</i>	The PK that identifies the seller

Returns

Whether the product has been bought or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.2 getAllProd()

```
ArrayList<Product> es.deusto.server.remote.ITransferer.getAllProd ( ) throws RemoteException
```

This method retrieves all the products inside the DB

Returns

A list of all the products inside the DB

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.3 getAllUser()

```
ArrayList<User> es.deusto.server.remote.ITransferer.getAllUser ( ) throws RemoteException
```

This method returns the list of all users in the DB

Returns

the list of users in the DB

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.4 `getUser()`

```
User es.deusto.server.remote.ITransferer.getUser (
    String login ) throws RemoteException
```

This method returns a user based on their username (login)

Parameters

<i>login</i>	The name of the user that wants to be retrieved
--------------	---

Returns

The user with the login name "login"

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.5 `registerProd()`

```
boolean es.deusto.server.remote.ITransferer.registerProd (
    Product p ) throws RemoteException
```

This method registers a product and returns if the transaction was done rightfully

Parameters

<i>p</i>	The product to register in the DB
----------	-----------------------------------

Returns

whether the product has been registered or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.6 registerUser()

```
boolean es.deusto.server.remote.ITransferer.registerUser (
    User u ) throws RemoteException
```

This method registers a user and returns if the transaction was done rightfully

Parameters

<i>u</i>	The user to register in the DB
----------	--------------------------------

Returns

whether the user has been registered or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.7 searchProd()

```
Product es.deusto.server.remote.ITransferer.searchProd (
    String name ) throws RemoteException
```

This method returns a Product based on its name

Parameters

<i>name</i>	The PK of the Product and the way to search it inside the DB
-------------	--

Returns

An object Product that meets with the requirements

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

6.6.2.8 sendMoney()

```
boolean es.deusto.server.remote.ITransferer.sendMoney (
    String loginR,
    int amount,
    String loginS ) throws RemoteException
```

This method allows the user with loginS to send an amount to the user with loginR

Parameters

<i>loginR</i>	the name of the user that receives the money
<i>amount</i>	the number of money sent
<i>loginS</i>	the name of the user that sends the money

Returns

whether the money has been sent or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implemented in [es.deusto.server.remote.Transferer](#).

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/remote/[ITransferer.java](#)

6.7 es.deusto.server.JUnitTest Class Reference

Public Member Functions

- void [setUpUser](#) ()
- void [stablishConnection](#) ()
- void [RegisterProductTest](#) ()
- void [testRegisterUser](#) ()
- void [testGetUser](#) ()
- void [testSearchProduct](#) ()
- void [testStoreUser](#) ()
- void [testRetrieveUser](#) ()
- void [testStoreProduct](#) ()
- void [testGetAllProd](#) ()
- void [testUpdateProduct](#) ()
- void [testBuyProduct](#) ()
- void [testUpdateMoney](#) ()
- void [testStoreMoney](#) ()
- void [testRetrieveMoney](#) ()
- void [testSendMoney](#) ()

- void [getSenderPerfTest](#) ()
- void [getProdPerfTest](#) ()
- void [getAmountPerfTest](#) ()
- void [getNamePerfTest](#) ()
- void [getCharacteristicsPerfTest](#) ()
- void [getLoginPerfTest](#) ()
- void [getPasswordPerfTest](#) ()
- void [getMoneyPerfTest](#) ()
- void [testGetSender](#) ()
- void [testGetProd](#) ()
- void [testGetAmount](#) ()
- void [testGetName](#) ()
- void [testGetCharacteristics](#) ()
- void [testGetLogin](#) ()
- void [testGetPassword](#) ()
- void [testGetMoney](#) ()

Static Public Member Functions

- static junit.framework.Test [suite](#) ()
- static void [setUp](#) ()
- static void [tearDown](#) ()

6.7.1 Detailed Description

Definition at line 47 of file JUnitTest.java.

6.7.2 Member Function Documentation

6.7.2.1 [getAmountPerfTest\(\)](#)

```
void es.deusto.server.JUnitTest.getAmountPerfTest ( )
```

Definition at line 414 of file JUnitTest.java.

6.7.2.2 [getCharacteristicsPerfTest\(\)](#)

```
void es.deusto.server.JUnitTest.getCharacteristicsPerfTest ( )
```

Definition at line 430 of file JUnitTest.java.

6.7.2.3 getLoginPerfTest()

```
void es.deusto.server.JUnitTest.getLoginPerfTest ( )
```

Definition at line 438 of file JUnitTest.java.

6.7.2.4 getMoneyPerfTest()

```
void es.deusto.server.JUnitTest.getMoneyPerfTest ( )
```

Definition at line 455 of file JUnitTest.java.

6.7.2.5 getNamePerfTest()

```
void es.deusto.server.JUnitTest.getNamePerfTest ( )
```

Definition at line 422 of file JUnitTest.java.

6.7.2.6 getPasswordPerfTest()

```
void es.deusto.server.JUnitTest.getPasswordPerfTest ( )
```

Definition at line 447 of file JUnitTest.java.

6.7.2.7 getProdPerfTest()

```
void es.deusto.server.JUnitTest.getProdPerfTest ( )
```

Definition at line 405 of file JUnitTest.java.

6.7.2.8 getSenderPerfTest()

```
void es.deusto.server.JUnitTest.getSenderPerfTest ( )
```

Definition at line 395 of file JUnitTest.java.

6.7.2.9 RegisterProductTest()

```
void es.deusto.server.JUnitTest.RegisterProductTest ( )
```

Definition at line 226 of file JUnitTest.java.

6.7.2.10 setUp()

```
static void es.deusto.server.JUnitTest.setUp ( ) [static]
```

Definition at line 70 of file JUnitTest.java.

6.7.2.11 setUpUser()

```
void es.deusto.server.JUnitTest.setUpUser ( )
```

Definition at line 160 of file JUnitTest.java.

6.7.2.12 stablshConnection()

```
void es.deusto.server.JUnitTest.stablshConnection ( )
```

Definition at line 213 of file JUnitTest.java.

6.7.2.13 suite()

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

Definition at line 65 of file JUnitTest.java.

6.7.2.14 tearDown()

```
static void es.deusto.server.JUnitTest.tearDown ( ) [static]
```

Definition at line 513 of file JUnitTest.java.

6.7.2.15 testBuyProduct()

```
void es.deusto.server.JUnitTest.testBuyProduct ( )
```

Definition at line 360 of file JUnitTest.java.

6.7.2.16 testGetAllProd()

```
void es.deusto.server.JUnitTest.testGetAllProd ( )
```

Definition at line 334 of file JUnitTest.java.

6.7.2.17 testGetAmount()

```
void es.deusto.server.JUnitTest.testGetAmount ( )
```

Definition at line 476 of file JUnitTest.java.

6.7.2.18 testGetCharacteristics()

```
void es.deusto.server.JUnitTest.testGetCharacteristics ( )
```

Definition at line 488 of file JUnitTest.java.

6.7.2.19 testGetLogin()

```
void es.deusto.server.JUnitTest.testGetLogin ( )
```

Definition at line 494 of file JUnitTest.java.

6.7.2.20 testGetMoney()

```
void es.deusto.server.JUnitTest.testGetMoney ( )
```

Definition at line 507 of file JUnitTest.java.

6.7.2.21 testGetName()

```
void es.deusto.server.JUnitTest.testGetName ( )
```

Definition at line 482 of file JUnitTest.java.

6.7.2.22 testGetPassword()

```
void es.deusto.server.JUnitTest.testGetPassword ( )
```

Definition at line 501 of file JUnitTest.java.

6.7.2.23 testGetProd()

```
void es.deusto.server.JUnitTest.testGetProd ( )
```

Definition at line 469 of file JUnitTest.java.

6.7.2.24 testGetSender()

```
void es.deusto.server.JUnitTest.testGetSender ( )
```

Definition at line 461 of file JUnitTest.java.

6.7.2.25 testGetUser()

```
void es.deusto.server.JUnitTest.testGetUser ( )
```

Definition at line 246 of file JUnitTest.java.

6.7.2.26 testRegisterUser()

```
void es.deusto.server.JUnitTest.testRegisterUser ( )
```

Definition at line 237 of file JUnitTest.java.

6.7.2.27 testRetrieveMoney()

```
void es.deusto.server.JUnitTest.testRetrieveMoney ( )
```

Definition at line 383 of file JUnitTest.java.

6.7.2.28 testRetrieveUser()

```
void es.deusto.server.JUnitTest.testRetrieveUser ( )
```

Definition at line 290 of file JUnitTest.java.

6.7.2.29 testSearchProduct()

```
void es.deusto.server.JUnitTest.testSearchProduct ( )
```

Definition at line 258 of file JUnitTest.java.

6.7.2.30 testSendMoney()

```
void es.deusto.server.JUnitTest.testSendMoney ( )
```

Definition at line 388 of file JUnitTest.java.

6.7.2.31 testStoreMoney()

```
void es.deusto.server.JUnitTest.testStoreMoney ( )
```

Definition at line 374 of file JUnitTest.java.

6.7.2.32 testStoreProduct()

```
void es.deusto.server.JUnitTest.testStoreProduct ( )
```

Definition at line 326 of file JUnitTest.java.

6.7.2.33 testStoreUser()

```
void es.deusto.server.JUnitTest.testStoreUser ( )
```

Definition at line 270 of file JUnitTest.java.

6.7.2.34 testUpdateMoney()

```
void es.deusto.server.JUnitTest.testUpdateMoney ( )
```

Definition at line 365 of file JUnitTest.java.

6.7.2.35 testUpdateProduct()

```
void es.deusto.server.JUnitTest.testUpdateProduct ( )
```

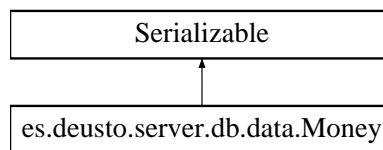
Definition at line 339 of file JUnitTest.java.

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

- [C:/Users/Oihane/git/SPQ03/spq03/src/test/java/es/deusto/server/JUnitTest.java](#)

6.8 es.deusto.server.db.data.Money Class Reference

Inheritance diagram for es.deusto.server.db.data.Money:



Public Member Functions

- [Money](#) (int amount)
- [User](#) [getSender](#) ()
- [Product](#) [getProd](#) ()
- void [setUserSending](#) ([User](#) sender)
- void [setProduct](#) ([Product](#) p)
- int [getAmount](#) ()
- String [toString](#) ()

6.8.1 Detailed Description

Definition at line 13 of file Money.java.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 Money()

```
es.deusto.server.db.data.Money.Money (
    int amount )
```

Method to create a new instance of an object [Product](#)

Parameters

<i>amount</i>	establishes the value for the parameter amount
---------------	--

Definition at line 28 of file Money.java.

6.8.3 Member Function Documentation

6.8.3.1 getAmount()

```
int es.deusto.server.db.data.Money.getAmount ( )
```

This method returns the amount of the money

Returns

The amount of money in the interaction

Definition at line 69 of file Money.java.

6.8.3.2 getProd()

```
Product es.deusto.server.db.data.Money.getProd ( )
```

This method returns the product inside the money interaction

Returns

The product of the money interaction

Definition at line 45 of file Money.java.

6.8.3.3 getSender()

```
User es.deusto.server.db.data.Money.getSender ( )
```

This method returns the user that sends the money

Returns

The sender of the money

Definition at line 37 of file Money.java.

6.8.3.4 setProduct()

```
void es.deusto.server.db.data.Money.setProduct (
    Product p )
```

Establishes the value for the parameter sender of the [Money](#)

Parameters

<i>p</i>	the product inside the money interaction
----------	--

Definition at line 61 of file Money.java.

6.8.3.5 setUserSending()

```
void es.deusto.server.db.data.Money.setUserSending (
    User sender )
```

Establishes the value for the parameter sender of the [Money](#)

Parameters

<i>sender</i>	the user that will send the money
---------------	-----------------------------------

Definition at line 53 of file Money.java.

6.8.3.6 toString()

```
String es.deusto.server.db.data.Money.toString ( )
```

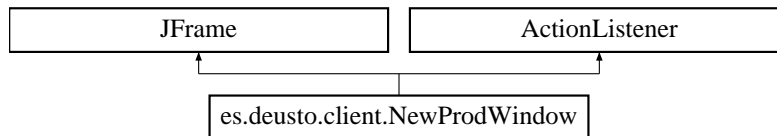
Definition at line 71 of file Money.java.

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

- [C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/Money.java](#)

6.9 es.deusto.client.NewProdWindow Class Reference

Inheritance diagram for es.deusto.client.NewProdWindow:



Public Member Functions

- [NewProdWindow](#) ()
- void [actionPerformed](#) (ActionEvent e)
- void [setTransferer](#) (ITransferer iTrans)

6.9.1 Detailed Description

Definition at line 21 of file `NewProdWindow.java`.

6.9.2 Constructor & Destructor Documentation

6.9.2.1 NewProdWindow()

```
es.deusto.client.NewProdWindow.NewProdWindow ( )
```

Definition at line 31 of file `NewProdWindow.java`.

6.9.3 Member Function Documentation

6.9.3.1 actionPerformed()

```
void es.deusto.client.NewProdWindow.actionPerformed (
   (ActionEvent e )
```

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

6.9.3.2 setTransferer()

```
void es.deusto.client.NewProdWindow.setTransferer (
    ITransferer iTrans )
```

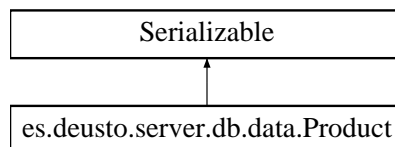
Definition at line 87 of file NewProdWindow.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/client/NewProdWindow.java

6.10 es.deusto.server.db.data.Product Class Reference

Inheritance diagram for es.deusto.server.db.data.Product:



Public Member Functions

- [Product](#) (String name, String characteristics)
- [User dnGetuser](#) ()
- String [getName](#) ()
- void [setName](#) (String name)
- void [setOwner](#) ([User](#) owner)
- String [getCharacteristics](#) ()
- String [getBuyersPayment](#) ()
- String [toString](#) ()
- String [toStringShort](#) ()

6.10.1 Detailed Description

Definition at line 18 of file Product.java.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 Product()

```
es.deusto.server.db.data.Product.Product (
    String name,
    String characteristics )
```

Method to create a new instance of an object [Product](#)

Parameters

<i>name</i>	The value for the PK that will identify a product between all the ones in the DB
<i>characteristics</i>	The value for the characteristics of the product

Definition at line 40 of file Product.java.

6.10.3 Member Function Documentation

6.10.3.1 dnGetuser()

```
User es.deusto.server.db.data.Product.dnGetuser ( )
```

This method returns the user that owns the product

Returns

The owner of the [Product](#)

Definition at line 50 of file Product.java.

6.10.3.2 getBuyersPayment()

```
String es.deusto.server.db.data.Product.getBuyersPayment ( )
```

This method returns the buyers payment of the product

Returns

The buyers payment of the [Product](#)

Definition at line 86 of file Product.java.

6.10.3.3 getCharacteristics()

```
String es.deusto.server.db.data.Product.getCharacteristics ( )
```

This method returns the characteristics of the product

Returns

The characteristics of the [Product](#)

Definition at line 80 of file Product.java.

6.10.3.4 getName()

```
String es.deusto.server.db.data.Product.getName ( )
```

This method returns the name (PK) of the product

Returns

The name of the [Product](#)

Definition at line 58 of file Product.java.

6.10.3.5 setName()

```
void es.deusto.server.db.data.Product.setName (
    String name )
```

Establishes the value for the parameter name of the [Product](#)

Parameters

<i>name</i>	The value for the name
-------------	------------------------

Definition at line 66 of file Product.java.

6.10.3.6 setOwner()

```
void es.deusto.server.db.data.Product.setOwner (
    User owner )
```

Establishes the value for the parameter owner of the [Product](#)

Parameters

<i>owner</i>	The value for the new owner
--------------	-----------------------------

Definition at line 72 of file Product.java.

6.10.3.7 toString()

```
String es.deusto.server.db.data.Product.toString ( )
```

Definition at line 94 of file Product.java.

6.10.3.8 toStringShort()

```
String es.deusto.server.db.data.Product.toStringShort ( )
```

Definition at line 98 of file Product.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/[Product.java](#)

6.11 es.deusto.server.Server Class Reference

Static Public Member Functions

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

6.11.1 Detailed Description

Definition at line 16 of file Server.java.

6.11.2 Member Function Documentation

6.11.2.1 main()

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

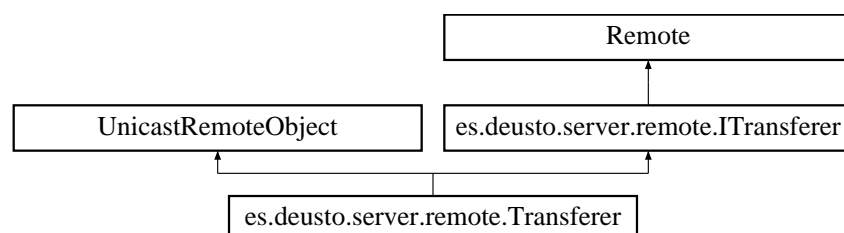
Definition at line 19 of file Server.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/[Server.java](#)

6.12 es.deusto.server.remote.Transferer Class Reference

Inheritance diagram for es.deusto.server.remote.Transferer:



Public Member Functions

- [Transferer](#) () throws RemoteException
- [Transferer](#) (IDAO udao) throws RemoteException
- ArrayList< [User](#) > [getAllUser](#) () throws RemoteException
- boolean [registerUser](#) ([User](#) u)
- [User](#) [getUser](#) (String login) throws RemoteException
- ArrayList< [Product](#) > [getAllProd](#) () throws RemoteException
- [Product](#) [searchProd](#) (String name) throws RemoteException
- boolean [registerProd](#) ([Product](#) p) throws RemoteException
- boolean [buyProd](#) (String loginB, [Product](#) p, int amount, String loginS) throws RemoteException
- boolean [sendMoney](#) (String loginR, int amount, String loginS) throws RemoteException

6.12.1 Detailed Description

Definition at line 15 of file Transferer.java.

6.12.2 Constructor & Destructor Documentation

6.12.2.1 Transferer() [1/2]

```
es.deusto.server.remote.Transferer.Transferer ( ) throws RemoteException
```

Definition at line 22 of file Transferer.java.

6.12.2.2 Transferer() [2/2]

```
es.deusto.server.remote.Transferer.Transferer (
    IDAO udao ) throws RemoteException
```

Definition at line 27 of file Transferer.java.

6.12.3 Member Function Documentation

6.12.3.1 buyProd()

```
boolean es.deusto.server.remote.Transferer.buyProd (
    String loginB,
    Product p,
    int amount,
    String loginS ) throws RemoteException
```

This method allows the user with loginB to buy a product p to the user with loginS for the amount of money specified

Parameters

<i>loginB</i>	The PK that identifies the buyer
<i>p</i>	The Product to be bought
<i>amount</i>	The quantity to be spent on the transaction
<i>loginS</i>	The PK that identifies the seller

Returns

Whether the product has been bought or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 136 of file Transferer.java.

6.12.3.2 getAllProd()

```
ArrayList<Product> es.deusto.server.remote.Transferer.getAllProd ( ) throws RemoteException
```

This method retrieves all the products inside the DB

Returns

A list of all the products inside the DB

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 83 of file Transferer.java.

6.12.3.3 getAllUser()

```
ArrayList<User> es.deusto.server.remote.Transferer.getAllUser ( ) throws RemoteException
```

This method returns the list of all users in the DB

Returns

the list of users in the DB

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 33 of file Transferer.java.

6.12.3.4 getUser()

```
User es.deusto.server.remote.Transferer.getUser (
    String login ) throws RemoteException
```

This method returns a user based on their username (login)

Parameters

<i>login</i>	The name of the user that wants to be retrieved
--------------	---

Returns

The user with the login name "login"

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 66 of file Transferer.java.

6.12.3.5 registerProd()

```
boolean es.deusto.server.remote.Transferer.registerProd (
    Product p ) throws RemoteException
```

This method registers a product and returns if the transaction was done rightfully

Parameters

<i>p</i>	The product to register in the DB
----------	-----------------------------------

Returns

whether the product has been registered or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 114 of file Transferer.java.

6.12.3.6 registerUser()

```
boolean es.deusto.server.remote.Transferer.registerUser (
    User u )
```

This method registers a user and returns if the transaction was done rightfully

Parameters

<i>u</i>	The user to register in the DB
----------	--------------------------------

Returns

whether the user has been registered or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 46 of file Transferer.java.

6.12.3.7 searchProd()

```
Product es.deusto.server.remote.Transferer.searchProd (
    String name ) throws RemoteException
```

This method returns a Product based on its name

Parameters

<i>name</i>	The PK of the Product and the way to search it inside the DB
-------------	--

Returns

An object Product that meets with the requirements

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

Definition at line 95 of file Transferer.java.

6.12.3.8 sendMoney()

```
boolean es.deusto.server.remote.Transferer.sendMoney (
    String loginR,
    int amount,
    String loginS ) throws RemoteException
```

This method allows the user with loginS to send an amount to the user with loginR

Parameters

<i>loginR</i>	the name of the user that receives the money
<i>amount</i>	the number of money sent
<i>loginS</i>	the name of the user that sends the money

Returns

whether the money has been sent or not

Exceptions

<i>RemoteException</i>	fails if there is a connection error
------------------------	--------------------------------------

Implements [es.deusto.server.remote.ITransferer](#).

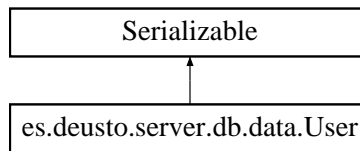
Definition at line 161 of file Transferer.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/remote/[Transferer.java](#)

6.13 es.deusto.server.db.data.User Class Reference

Inheritance diagram for es.deusto.server.db.data.User:



Public Member Functions

- [User](#) (String login, String password)
- void [addMoney](#) (int money)
- void [removeMoney](#) (int money)
- String [getLogin](#) ()
- String [getPassword](#) ()
- void [setPassword](#) (String password)
- void [setSuper](#) (boolean superU)
- boolean [getSuper](#) ()
- int [getMoney](#) ()
- void [setAmount](#) (int number)
- String [toString](#) ()

6.13.1 Detailed Description

Definition at line 17 of file User.java.

6.13.2 Constructor & Destructor Documentation

6.13.2.1 User()

```

es.deusto.server.db.data.User.User (
    String login,
    String password )
  
```

Method to create a new instance of an object [User](#)

Parameters

<i>login</i>	The value for the PK that will identify a user between all the ones in the DB
<i>password</i>	The value for the password of the user

Definition at line 37 of file User.java.

6.13.3 Member Function Documentation

6.13.3.1 addMoney()

```
void es.deusto.server.db.data.User.addMoney (
    int money )
```

This method augments the value of the users amount of money for the parameter that is sent

Parameters

<i>money</i>	the amount of money to be added
--------------	---------------------------------

Definition at line 46 of file User.java.

6.13.3.2 getLogin()

```
String es.deusto.server.db.data.User.getLogin ( )
```

This method returns the PK of the user

Returns

The username (login) of the user

Definition at line 58 of file User.java.

6.13.3.3 getMoney()

```
int es.deusto.server.db.data.User.getMoney ( )
```

This method returns the amount of money of the user

Returns

The amount value of the user

Definition at line 96 of file User.java.

6.13.3.4 getPassword()

```
String es.deusto.server.db.data.User.getPassword ( )
```

This method returns the pass of the user

Returns

The password of the user

Definition at line 66 of file User.java.

6.13.3.5 getSuper()

```
boolean es.deusto.server.db.data.User.getSuper ( )
```

This method returns the superU value of the user

Returns

The superU value of the user

Definition at line 90 of file User.java.

6.13.3.6 removeMoney()

```
void es.deusto.server.db.data.User.removeMoney (
    int money )
```

This method reduces the value of the users amount of money for the parameter that is sent

Parameters

<i>money</i>	the amount of money to be removed
--------------	-----------------------------------

Definition at line 52 of file User.java.

6.13.3.7 setAmount()

```
void es.deusto.server.db.data.User.setAmount (
    int number )
```

Establishes the value for the parameter amount of the user

Parameters

<i>amount</i>	The value of the users amount parameter
---------------	---

Definition at line 102 of file User.java.

6.13.3.8 setPassword()

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

Establishes the value for the parameter password of the user

Parameters

<i>password</i>	The value for the new password
-----------------	--------------------------------

Definition at line 74 of file User.java.

6.13.3.9 setSuper()

```
void es.deusto.server.db.data.User.setSuper (
    boolean superU )
```

Establishes the value for the parameter superU of the user

Parameters

<i>superU</i>	The value of the users superU parameter
---------------	---

Definition at line 82 of file User.java.

6.13.3.10 toString()

```
String es.deusto.server.db.data.User.toString ( )
```

Definition at line 104 of file User.java.

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

- C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/[User.java](#)

Chapter 7

File Documentation

7.1 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/client/Client.java File Reference

Classes

- class [es.deusto.client.Client](#)

Packages

- package [es.deusto.client](#)

7.2 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/client/NewProdWindow.java File Reference

Classes

- class [es.deusto.client.NewProdWindow](#)

Packages

- package [es.deusto.client](#)

7.3 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/dao/DAO.java File Reference

Classes

- class [es.deusto.server.db.dao.DAO](#)

Packages

- package [es.deusto.server.db.dao](#)

7.4 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/dao/IDAO.java File Reference

Classes

- interface [es.deusto.server.db.dao.IDAO](#)

Packages

- package [es.deusto.server.db.dao](#)

7.5 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/Money.java File Reference

Classes

- class [es.deusto.server.db.data.Money](#)

Packages

- package [es.deusto.server.db.data](#)

7.6 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/Product.java File Reference

Classes

- class [es.deusto.server.db.data.Product](#)

Packages

- package [es.deusto.server.db.data](#)

7.7 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/data/User.java File Reference

Classes

- class [es.deusto.server.db.data.User](#)

Packages

- package [es.deusto.server.db.data](#)

7.8 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/DB.java File Reference

Classes

- class [es.deusto.server.db.DB](#)

Packages

- package [es.deusto.server.db](#)

7.9 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/db/IDB.java File Reference

Classes

- interface [es.deusto.server.db.IDB](#)

Packages

- package [es.deusto.server.db](#)

7.10 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/remote/ITransferer.java File Reference

Classes

- interface [es.deusto.server.remote.ITransferer](#)

Packages

- package [es.deusto.server.remote](#)

7.11 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/remote/Transferer.java File Reference

Classes

- class [es.deusto.server.remote.Transferer](#)

Packages

- package [es.deusto.server.remote](#)

7.12 C:/Users/Oihane/git/SPQ03/spq03/src/main/java/es/deusto/server/Server.java File Reference

Classes

- class [es.deusto.server.Server](#)

Packages

- package [es.deusto.server](#)

7.13 C:/Users/Oihane/git/SPQ03/spq03/src/test/java/es/deusto/server/JUnitTest.java File Reference

Classes

- class [es.deusto.server.JUnitTest](#)

Packages

- package [es.deusto.server](#)

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