

RechercheGraphique

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Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

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Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

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//ws/\$Debian/var/www/html/menu/rechercheGraphiques/public/ index.php	
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Chapter 3

Data Structure Documentation

3.1 EDatabase Class Reference

Helper class encapsulating the PDO object.

Static Public Member Functions

- static [getInstance](#) ()
Returns DB instance or create initial connection.

3.1.1 Detailed Description

Helper class encapsulating the PDO object.

Author

dominique.aigroz@kadeo.net

3.1.2 Member Function Documentation

3.1.2.1 getInstance()

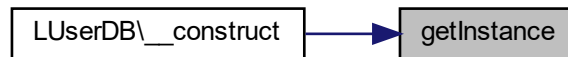
```
static getInstance ( ) [static]
```

Returns DB instance or create initial connection.

Returns

\$objInstance;

Here is the caller graph for this function:



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

- [//wsl\\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/database/EDatabase.php](#)

3.2 LAxis Class Reference

Class that contains an axis.

Public Member Functions

- [__construct](#) (string `$InName=""`, string `$InType=""`, array `$InData=array()`)

Data Fields

- [\\$Name](#)
- [\\$Type](#)

3.2.1 Detailed Description

Class that contains an axis.

3.2.2 Constructor & Destructor Documentation

3.2.2.1 __construct()

```
__construct (  
    string $InName = "",  
    string $InType = "",  
    array $InData = array() )
```

Constructor that create an object of type [LAxis](#)

Parameters

string	<i>\$InName</i>	name of the chart
string	<i>\$InType</i>	type of the axis
array	<i>\$InData</i>	array of the datas

3.2.3 Field Documentation

3.2.3.1 \$Name

\$Name

Name of the axis

3.2.3.2 \$Type

\$Type

Type of the axis

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

- [//wsl\\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/container/LAxis.php](#)

3.3 LChart Class Reference

Class that is a container for charts.

Public Member Functions

- [__construct](#) (int \$InId=0, string \$InName="", string \$InNameAxisX="", string \$InTypeAxisX="", string \$InNameAxisY="", string \$InTypeAxisY="", string \$InChartType="")

Data Fields

- const [TYPE_CHART](#)
- [\\$Id](#)
- [\\$Name](#)
- [\\$AxisX](#)
- [\\$AxisY](#)
- [\\$InChartType](#)

3.3.1 Detailed Description

Class that is a container for charts.

3.3.2 Constructor & Destructor Documentation

3.3.2.1 `__construct()`

```
__construct (
    int $InId = 0,
    string $InName = "",
    string $InNameAxisX = "",
    string $InTypeAxisX = "",
    string $InNameAxisY = "",
    string $InTypeAxisY = "",
    string $InChartType = "" )
```

Create an object of type [LChart](#)

Parameters

integer	<i>\$InId</i>	id of the chart
string	<i>\$InName</i>	name of the chart
string	<i>\$InNameAxisX</i>	name of x axis
string	<i>\$InTypeAxisX</i>	type of x axis
string	<i>\$InNameAxisY</i>	name of y axis
string	<i>\$InTypeAxisY</i>	type of y axis
string	<i>\$InChartType</i>	chart type

3.3.3 Field Documentation

3.3.3.1 `$AxisX`

`$AxisX`

Axis X

3.3.3.2 \$AxisY

\$AxisY

Axis Y

3.3.3.3 \$Id

\$Id

Id of the chart

3.3.3.4 \$InChartType

\$InChartType

Type of the chart

3.3.3.5 \$Name

\$Name

Name of the Chart

3.3.3.6 TYPE_CHART

const TYPE_CHART

Initial value:

```
= array(  
    "BAR_CHART" => "BarChart",  
    "PIE_CHART" => "PieChart",  
    "LINE_CHART" => "LineChart",  
    "BARH_CHART" => "BarChart"  
)
```

Contains all different types of chart

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

- //ws/\$Debian/var/www/html/menu/rechercheGraphiques/public/res/php/container/[LChart.php](#)

3.4 LSession Class Reference

Public Member Functions

- [__construct](#) ()
- [setUserSession](#) (\$user)
- [getUserSession](#) ()
- [destroySession](#) ()

3.4.1 Detailed Description

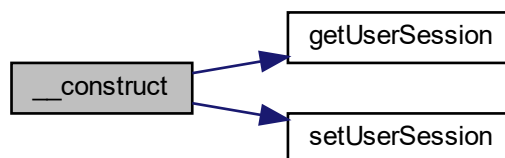
Class that handles the session

3.4.2 Constructor & Destructor Documentation

3.4.2.1 __construct()

```
__construct ( )
```

Create an instance of [LSession](#) Here is the call graph for this function:



3.4.3 Member Function Documentation

3.4.3.1 destroySession()

```
destroySession ( )
```

Destroy the session

Returns

void

3.4.3.2 getUserSession()

```
getUserSession ( )
```

Get user in the session

Returns

null|LUser null if failed, else [LUser](#)

Here is the caller graph for this function:



3.4.3.3 setUserSession()

```
setUserSession (
    $user )
```

Set a user in the session

Parameters

LUser	<i>\$user</i>	user to set
-----------------------	---------------	-------------

Returns

void

Here is the caller graph for this function:



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

- `//wsl$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/LSession.php`

3.5 LTools Class Reference

Static Public Member Functions

- static [displayError](#) (array \$errors)
- static [displayLogin](#) (\$user)
- static [filterInput](#) (&\$errors, \$inputType, \$name, \$filterSanitize, \$filterValidate=FILTER_DEFAULT)
- static [defineLanguage](#) ()

3.5.1 Detailed Description

Class that has only static functions These are the functions for the project

3.5.2 Member Function Documentation

3.5.2.1 displayError()

```
static displayError (
    array $errors ) [static]
```

Display an error

Parameters

array	<i>\$error</i>	content of the error
-------	----------------	----------------------

Returns

string the error as HTML

3.5.2.2 displayLogin()

```
static displayLogin (
    $user ) [static]
```

Displays the login if not connected, else page for parameter

Parameters

LUser	<i>\$user</i>	user
-----------------------	---------------	------

Returns

string result as HTML

3.5.2.3 filterInput()

```
static filterInput (
    & $errors,
    $inputType,
    $name,
    $filterSanitize,
    $filterValidate = FILTER_DEFAULT ) [static]
```

Sanitize an input and give to a variable the errors

Parameters

array	<i>\$errors</i>	contains the potential errors
int	<i>\$inputType</i>	type of the input
string	<i>\$name</i>	name of the input
int	<i>\$filterSanitize</i>	filter to apply to the input
int	<i>\$filterValidate</i>	filter that validate the value

Returns

string sanitized value

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

- [//ws\\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/LTools.php](#)

3.6 LUser Class Reference

This class is a container for a user.

Public Member Functions

- [__construct](#) (int \$InId=0, string \$InEmail="", string \$InUsername="")

Data Fields

- [\\$Id](#)
- [\\$Email](#)
- [\\$Username](#)

3.6.1 Detailed Description

This class is a container for a user.

3.6.2 Constructor & Destructor Documentation

3.6.2.1 `__construct()`

```
__construct (
    int $InId = 0,
    string $InEmail = "",
    string $InUsername = "" )
```

Constructor that create a user

Parameters

integer	<i>\$InId</i>	id of the user
string	<i>\$InEmail</i>	email of the user
string	<i>\$InUsername</i>	username of the user

3.6.3 Field Documentation

3.6.3.1 `$Email`

`$Email`

Email of the user

3.6.3.2 \$Id

\$Id

Id of the user

3.6.3.3 \$Username

\$Username

Username of the user

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

- [//wsI\\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/container/LUser.php](#)

3.7 LUserDB Class Reference

Class that makes query on DB for users.

Public Member Functions

- [__construct](#) ()
- [getUserById](#) (int \$id)
- [getUserByEmail](#) (string \$email)
- [emailExists](#) (string \$email)
- [insertUser](#) (string \$email, string \$username, string \$password)
- [updatePassword](#) (int \$id, string \$newPassword)
- [verifyPassword](#) (int \$id, string \$password)
- [updateUser](#) (int \$id, string \$newUsername)

3.7.1 Detailed Description

Class that makes query on DB for users.

3.7.2 Constructor & Destructor Documentation

3.7.2.1 `__construct()`

```
__construct ( )
```

Create an instance of [LUserDB](#) that can make queries on the database Here is the call graph for this function:



3.7.3 Member Function Documentation

3.7.3.1 `emailExists()`

```
emailExists (
    string $email )
```

Verify if an email exists

Parameters

string	<i>\$email</i>	email tht we verify
--------	----------------	---------------------

Returns

bool true if the emai exists, else false

3.7.3.2 `getUserByEmail()`

```
getUserByEmail (
    string $email )
```

Get a specific user thanks to the email

Parameters

string	<i>\$email</i>	email of the user
--------	----------------	-------------------

Returns

LUser if succeed, else false

3.7.3.3 getUserById()

```
getUserById (
    int $id )
```

Get a specific user thanks his id

Parameters

int	<i>\$id</i>	id of the user
-----	-------------	----------------

Returns

[LUser](#) if succeed, else false if failure

3.7.3.4 insertUser()

```
insertUser (
    string $email,
    string $username,
    string $password )
```

Insert a user in the database

Parameters

string	<i>\$email</i>	email of the user
string	<i>\$username</i>	username of the user
string	<i>\$password</i>	password of the user

Returns

bool true if succeed, else false

3.7.3.5 updatePassword()

```
updatePassword (
    int $id,
    string $newPassword )
```

Update the password from a user

Parameters

int	<i>\$id</i>	id of the user
string	<i>\$newPassword</i>	new password for the user

Returns

bool true if succeed, else false

3.7.3.6 updateUser()

```
updateUser (
    int $id,
    string $newUsername )
```

Update the user

Parameters

int	<i>\$id</i>	id of the user
string	<i>\$newUsername</i>	new username for the user

Returns

bool true if succeed, else false

3.7.3.7 verifyPassword()

```
verifyPassword (
    int $id,
    string $password )
```

Verify that the password is the same as before

Parameters

int	<i>\$id</i>	id of the user
string	<i>\$password</i>	password that the user has entered

Returns

bool true if the same password, else false

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

- [//wsl\\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/database/LUserDB.php](#)

Chapter 4

File Documentation

4.1 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/account.php File Reference

Page for paramater of the account.

Variables

- **\$session** = new [LSession\(\)](#)
- **\$user** = \$session->getUserSession()
- **\$email** = \$user->Email
- **\$username** = \$user->Username
- **\$errors** = array()
- **if** (filter_input(INPUT_POST, "generalSettings", FILTER_SANITIZE_STRING))

4.1.1 Detailed Description

Page for paramater of the account.

4.1.1.1 Index

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Author

ludovic.rx@eduge.ch

4.1.2 Variable Documentation

4.1.2.1 \$user

```
$user = $session->getUserSession()
```

User (null if not connected))

4.2 //wsl\$Debian/var/www/html/menu/recherche↵ Graphiques/public/index.php File Reference

Main page.

Variables

- **\$session** = new [LSession\(\)](#)
- **\$user** = [\\$session->getUserSession\(\)](#)

4.2.1 Detailed Description

Main page.

4.2.1.1 Index

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Author

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4.2.2 Variable Documentation

4.2.2.1 \$user

```
$user = $session->getUserSession()
```

User (null if not connected))

4.3 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/login.php File Reference

Login page.

Variables

- `$session` = new `LSession()`
- `const ERROR_MESSAGE` "The email or the password is wrong ;-;"
- `$email` = ""
- `$password` = ""
- `$errors` = array()

4.3.1 Detailed Description

Login page.

4.3.1.1 Login

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Author

Mark Otto, Jacob Thornton, and Bootstrap contributors

last modification : `ludovic.rx@eduge.ch`

4.3.2 Variable Documentation

4.3.2.1 \$email

```
$email = ""
```

Email that is entered by the user

4.3.2.2 \$errors

```
$errors = array()
```

Error that we can display

4.3.2.3 \$password

```
$password = ""
```

Password that is entered by the user

4.3.2.4 ERROR_MESSAGE

```
const ERROR_MESSAGE "The email or the pasword is wrong ;-;"
```

Error message when a user can't connect

4.4 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/register.php File Reference

Register page.

Variables

- const [ERROR_MESSAGE_EMAIL](#) "The email is already used."
- const [ERROR_MESSAGE_USERNAME](#) "The username is already used."
- const [ERROR_MESSAGE_PASSWORD](#) "The passwords are not the same."
- const [ERROR_MESSAGE_FILLED](#) "You need to fill all the fields."
- const [ERROR_MESSAGE_DATABASE](#) "Your account could not be added in the database."
- [\\$email](#) = ""
- [\\$username](#) = ""
- [\\$password](#) = ""
- [\\$passwordVerify](#) = ""
- [\\$errors](#) = array()

4.4.1 Detailed Description

Register page.

4.4.1.1 Register

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Author

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4.4.2 Variable Documentation

4.4.2.1 \$email

```
$email = ""
```

Email that is entered by the user

4.4.2.2 \$errors

```
$errors = array()
```

Error that we can display

4.4.2.3 \$password

```
$password = ""
```

Password that is entered by the user

4.4.2.4 \$passwordVerify

```
$passwordVerify = ""
```

Password to verify

4.4.2.5 \$username

```
$username = ""
```

username that is entered by the user

4.4.2.6 ERROR_MESSAGE_DATABASE

```
const ERROR_MESSAGE_DATABASE "Your account could not be added in the database."
```

Error message if there is an error when we add in the database

4.4.2.7 ERROR_MESSAGE_EMAIL

```
const ERROR_MESSAGE_EMAIL "The email is already used."
```

Error message when the email is already used

4.4.2.8 ERROR_MESSAGE_FILLED

```
const ERROR_MESSAGE_FILLED "You need to fill all the fields."
```

Error message when not all the fields are set

4.4.2.9 ERROR_MESSAGE_PASSWORD

```
const ERROR_MESSAGE_PASSWORD "The passwords are not the same."
```

Error message when both passwords are not the same

4.4.2.10 ERROR_MESSAGE_USERNAME

```
const ERROR_MESSAGE_USERNAME "The username is already used."
```

Error message when the username is already used

4.5 //wsl\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/container/LAxis.php File Reference

Class [LAxis](#).

Data Structures

- class [LAxis](#)
Class that contains an axis.

4.5.1 Detailed Description

Class [LAxis](#).

4.5.1.1 LAxis

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4.6 //wsl\$/Debian/var/www/html/menu/rechercheGraphiques/public/res/php/container/LChart.php File Reference

Class [LChart](#).

Data Structures

- class [LChart](#)
Class that is a container for charts.

4.6.1 Detailed Description

Class [LChart](#).

4.6.1.1 LChart

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4.7 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/res/php/container/LUser.php File Reference

Class [LUser](#).

Data Structures

- class [LUser](#)

This class is a container for a user.

4.7.1 Detailed Description

Class [LUser](#).

4.7.1.1 LUser

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Author

Ludovic Roux

4.8 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/res/php/database/EDatabase.php File Reference

Class [EDatabase](#).

Data Structures

- class [EDatabase](#)

Helper class encapsulating the PDO object.

4.8.1 Detailed Description

Class [EDatabase](#).

4.8.1.1 EDatabase

4.9 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/res/php/database/LUserDB.php File Reference

Class [LUserDB](#).

Data Structures

- class [LUserDB](#)
Class that makes query on DB for users.

4.9.1 Detailed Description

Class [LUserDB](#).

4.9.1.1 LUserDB

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4.10 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/res/php/LSession.php File Reference

Class for session.

Data Structures

- class [LSession](#)

4.10.1 Detailed Description

Class for session.

4.10.1.1 LSession

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4.11 //wsl\$/Debian/var/www/html/menu/recherche↵ Graphiques/public/res/php/LTools.php File Reference

Class for all the general functions of the project.

Data Structures

- class `LTools`

4.11.1 Detailed Description

Class for all the general functions of the project.

4.11.1.1 LTools

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