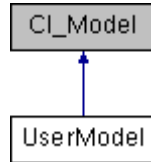# Data Structure Documentation

UserModel Class Reference

Inheritance diagram for UserModel:

Public Member Functions

- **__construct** ()
- **authentification** ($login, $password)
- **getUserRoles** ($userid)
- **getRoles** ()
- **getRole** ($roleid)
- **getUserRights** ($userid)
- **getRights** ()
- **getRoleRights** ($roleid)
- **getRight** ($rightid)
- **getUser** ($userid)
- **getUsers** ($filter=NULL, $and=false)
- **loginIsFree** ($login)
- **getUsersFromRole** ($roleid)
- **getAdvice** ($advid)
- **getAdvices** ($filter=NULL)
- **getUserAdvices** ($userid)
- **getAdvisorAdvices** ($userid)
- **getNumberFromRole** ($roleId)
- **addUser** ($user=NULL)
- **addUserRole** ($userid, $roleid)
- **addRole** ($name, $description=NULL)
- **addRight** ($name, $description=NULL)
- **addRoleRight** ($roleid, $rightid)
- **addAdvice** ($user_id, $advisor_id, $advice)
- **updateUser** ($user=NULL)
- **updateRole** ($id, $name=NULL, $description=NULL)
- **updateUserRoles** ($userID, $rolesID)
- **updateRight** ($id, $name=NULL, $description=NULL)
- **updateAdvice** ($id, $user_id=NULL, $advisor_id=NULL, $advice=NULL)
- **deleteUser** ($userid)
- **deleteUserRole** ($userid, $roleid)
- **deleteUserAllRole** ($userid)
- **deleteRole** ($roleid)
- **deleteRight** ($rightid)
- **deleteRoleRight** ($roleid, $rightid)
- **deleteRoleAllRight** ($roleid)
- **deleteAdvice** ($advid)
- **getId** ()
- **getIdRole** ()
- **getIdRight** ()
- **getIdConseil** ()

Constructor & Destructor Documentation

__construct ()

> **__construct**() is the constructor which initiates the connection to the database

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Member Function Documentation

addAdvice (*$user_id*, *$advisor_id*, *$advice*)

addAdvice() is a method for adding an advice

Parameters:

$userid	(required) id of advised user
$advisor_id	(required) id of advisor
$advice	(required) advice text

Returns:

> new advice id if insert succeeded and FALSE if not

addRight (*$name*, *$description* = `NULL`)

addRight() is a method for adding a right

Parameters:

$name	(required) right name (must be unique)
$description	(optional) right description

Returns:

> new right id if insert succeeded and FALSE if not

addRole (*$name*, *$description* = `NULL`)

addRole() is a method for adding a role

Parameters:

$name	(required) role name (must be unique)
$description	(optional) role description

Returns:

> new role id if insert succeeded and FALSE if not

addRoleRight (*$roleid*, *$rightid*)

addRoleRight() is a method for adding a right to a role

Parameters:

$roleid	
$rightid	

Returns:

> TRUE if insert succeeded and FALSE if not

addUser (*$user* = `NULL`)

addUser() is a method for adding an user

Parameters:

$user	is an array containing user data
$user['lastname']	(required) contains the lastname
$user['firstname']	(required) contains the firstname
$user['birthdate']	(optional) contains the birthdate
$user['email']	(optional) contains the email address

$user['phone']	(optional) contains the phone number
$user['mobile']	(optional) contains the mobile phone number
$user['gender']	(optional) 0 for female and 1 for male
$user['login']	(required) contains the login
$user['password']	(required) contains the password, it will be hashed inside this method with a SHA1 function
$user['visible']	(optional) contains the default visibility attribute for user files (0=hidden=default, 1=visible, 2=on demand)
$user['advice']	(optional) means if a user is ok to receive advices (1) or not (0) =default

Returns:
new user id if insert succeeded and FALSE if not

addUserRole (*$userid,* *$roleid*)

addUserRole() is a method for adding a role to an user

Parameters:

$userid	
$roleid	

Returns:
TRUE if insert succeeded and FALSE if not

authentification (*$login,* *$password*)

authentification() is a method for querying if an user have or not an account

Parameters:

$login	
$password	(will be hashed inside this method with a SHA1 function)

Returns:
an array containing user informations

See also:
getUser() for the data structure of returned user

deleteAdvice (*$advid*)

deleteAdvice() delete an advice based on its id

Parameters:

$advid	advice id

Returns:
a boolean (TRUE if deletion has been applied, FALSE if not)

deleteRight (*$rightid*)

deleteRight() delete a right based on its id

Parameters:

$rightid	

Returns:
a boolean (TRUE if deletion has been applied, FALSE if not)

deleteRole (*$roleid*)

deleteRole() delete a role based on its id

Parameters:

$roleid	

Returns:

a boolean (TRUE if deletion has been applied, FALSE if not)

deleteRoleAllRight (*$roleid*)

deleteRoleAllRight() remove all rights for a specific role

Parameters:

$roleid	

Returns:

a boolean (TRUE if deletion has been applied, FALSE if not)

deleteRoleRight (*$roleid*, *$rightid*)

deleteRoleRight() remove a right for a specific role

Parameters:

$roleid	
$rightid	

Returns:

a boolean (TRUE if deletion has been applied, FALSE if not)

deleteUser (*$userid*)

deleteUser() delete an user based on its id

Parameters:

$userid	

Returns:

a boolean (TRUE if deletion has been applied, FALSE if not)

deleteUserAllRole (*$userid*)

delete_userAllRole() remove all roles for a specific user

Parameters:

$userid	

Returns:

a boolean (TRUE if deletion has been applied, FALSE if not)

deleteUserRole (*$userid*, *$roleid*)

delete_userRole() remove a role for a specific user

Parameters:

$userid	
$roleid	

Returns:

a boolean (TRUE if deletion has been applied, FALSE if not)

getAdvice (*$advid*)

getAdvices() this method returns an advice based on its id

Parameters:

$dvid	advice id

Returns:

an advices + firstnames and lasnames of users and advisers
$response['id'] is the advice id
$response['user_id'] is the advised user id

$response['advisor_id'] is the advisor id
$response['advice'] is the advice text
$response['advice_date'] is the creation date of the advice
$response['user_lastname'] is the lastname of advised user
$response['user_firstname'] is the firstname of advised user
$response['advisor_lastname'] is the lastname of advisor
$response['advisor_lastname'] is the firstname of advisor

getAdvices (*$filter* = `NULL`)

getAdvices() is a method for searching advices in the database

Parameters:

$filter	is optional and is an array containing search criterions
$filter['advice']	is optional and contains a substring which will be searched into the advice's text
$filter['user_id']	is optional and contains the identifier of the advised user
$filter['advisor_id']	is optional and contains the identifier of the advisor (which is also an user)
$filter['advice_date']	is optional and contains the creation date (without time) of one or more advices
$filter['advice_date_start']	is optional and contains the minimal creation date (without time) of one or more advices
$filter['advice_date']	is optional and contains the maximal creation date (without time) of one or more advices

Returns:

an array of advices whith firstnames and lasnames of users and advisers. Results are sorted by advice_date (descending)

See also:

get_advices() for the data structure of an advice

getAdvisorAdvices (*$userid*)

getAdvisorAdvices() is a method for searching all advices written by a specific user (advisor)

Parameters:

$userid	contains the identifier of the advisor

Returns:

an array of advices whith firstnames and lasnames of users and advisers. Results are sorted by advice_date (descending)

See also:

getAdvices() for returned data structure

getNumberFromRole (*$roleId*)

getNumberFromRole() is a method to return the number of user with the specific role Id

Parameters:

$roleId	contains the role id from which we want to know the number of user

Returns:

the integer value of the number of user with the role

getRight (*$rightid*)

getRight() return a right based on its id

Parameters:

$rightid	

Returns:

an array containing right informations
$response['id'] right id
$response['name'] right name (unique)
$response['description'] right description

getRights ()

getRights() returns all rights

Returns:

an array of rights (name order)

See also:

getRight() for returned data structure

getRole (*$roleid*)

getRole() returns role informations based on it's id

Parameters:

$roleid	

Returns:

an array containing role informations
$response['id'] role id
$response['name'] role name (unique)
$response['description'] role description

getRoleRights (*$roleid*)

get_rights() returns all the rights corresponding to a specific role

Parameters:

$roleid	

Returns:

an array of rights (name order)

See also:

getRight() for returned data structure

getRoles ()

getRoles() returns all roles

Returns:

an array of roles (name order)

See also:

getRole() for returned data structure

getUser (*$userid*)

getUser() this method returns user informations based on its user id

Parameters:

$userid	

Returns:

an array containing user informations
$response['id'] is the user id
$response['lastname']
$response['firstname']
$response['birthdate']
$response['email']

$response['phone']
$response['mobile']
$response['gender'] 0 for female and 1 for male
$response['login']
$response['visible'] default visibility attribute for user files (0=hidden, 1=visible, 2=on demand)
$response['advice'] 1 if a user is ok to receive advices and 0 if not

getUserAdvices (*$userid*)

getUserAdvices() is a method for searching all advices sended to a specific user

Parameters:

$userid	contains the identifier of the advised user

Returns:

an array of advices whith firstnames and lasnames of users and advisers. Results are sorted by advice_date (descending)

See also:

getAdvices() for returned data structure

getUserRights (*$userid*)

get_userRights() returns all the rights of a specific user

Parameters:

$userid	

Returns:

an array of rights (name order)

See also:

getRight() for returned data structure

getUserRoles (*$userid*)

getUserRoles() returns all roles for a specific user

Parameters:

$userid	

Returns:

an array of roles (name order)

See also:

getRole() for returned data structure

getUsers (*$filter* = `NULL`, *$and* = `false`)

getUsers() is a method for searching users in the database

Parameters:

$filter	is optional and is an array containing search criterions
$filter['lastname']	is optional and contains the lastname (can be partial) of seached user(s)
$filter['firstname']	is optional and contains the firstname (can be partial) of seached user(s)
$filter['birthdate']	is optional and contains the birthdate of seached user(s)
$filter['email']	is optional and contains the email address (can be partial) of seached user(s)
$filter['phone']	is optional and contains the phone number (can be partial) of seached user(s)
$filter['mobile']	is optional and contains the mobile phone number (can be partial) of seached user(s)
$filter['gender']	is optional and is a boolean which is for the gender of searched users (0 = female, 1 is male)
$filter['login']	is optional and contains the login (can be partial) of seached user(s)
$filter['visible']	is optional and contains the default visibility attribute for user files (0=hidden,

	1=visible, 2=on demand)
$filter['advice']	is optional and is a boolean which means if a user is ok to receive advices (1) or not (0)
$and	is optional and is an boolean which is FALSE (default behavior) for processing teh search query with OR operators and TRUE for AND operators

Returns:

an array of users (lastname, firstname ascending order)

See also:

getUser() for the data structure of returned users

getUsersFromRole (*$roleid*)

getUsersFromRole() this method returns all users having a specific role

Parameters:

$roleid	

Returns:

an array of users (lastname, firstname ascending order)

See also:

getUser() for the data structure of returned users

loginIsFree (*$login*)

loginIsFree() this method checks of a login is not already used

Parameters:

$login	

Returns:

a boolean : FALSE if the login is already used, TRUE if not

updateAdvice (*$id*, *$user_id* = NULL, *$advisor_id* = NULL, *$advice* = NULL)

updateAdvice() is a method for updating a specific advice

Parameters:

$id	advice id (required)
$user_id	new user id of advised user (optional)
$advisor_id	new user id of advisor (optional)
$advice	new advice text (optional)

Returns:

TRUE if update succeeded and FALSE if not

updateRight (*$id*, *$name* = NULL, *$description* = NULL)

updateRight() is a method for updating name and/or description of a specific right

Parameters:

$id	right id (required)
$name	new right name (optional)
$description	new right description (optional)

Returns:

TRUE if update succeeded and FALSE if not

updateRole (*$id*, *$name* = NULL, *$description* = NULL)

updateUole() is a method for updating name and/or description of a specific role

Parameters:

$id	role id (required)

$name	new role name (optional)
$description	new role description (optional)

Returns:

TRUE if update succeeded and FALSE if not

updateUser (*$user* = NULL)

updateUser() is a method for updating informations of a specific user

Parameters:

$user['id']	(required) user id of the user whose informaions need to be updated
$user['lastname']	is optional and contains the lastname
$user['firstname']	is optional and contains the firstname
$user['birthdate']	is optional and contains the birthdate
$user['email']	is optional and contains the email address
$user['phone']	is optional and contains the phone number
$user['mobile']	is optional and contains the mobile phone number
$user['gender']	is optional, 0 for female and 1 for male
$user['login']	is optional and contains the login
$user['visible']	is optional and contains the default visibility attribute for user files (0=hidden, 1=visible, 2=on demand)
$user['advice']	is optional and means if a user is ok to receive advices (1) or not (0)

Returns:

TRUE if update succeeded and FALSE if not