

Class Methods

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Kung Knut edited this page on Dec 28, 2017 · 10 revisions

__construct

Description:

Creates an instance of the Auth class with the provided database connection, config and language variable.

Parameters:

- `$dbh` : PDO Database connection
- `$config` : An instance of the Config class
- `$lang` (array): The language file variable

Returns:

Void

login

Description:

Authenticates a user with the system. Note: You need to set the session, the method does not do this for you! Name of the cookie; 'authID'. Value of this cookie should be the returned hash.

Parameters:

- `$email` (string): User's email address
- `$password` (string): User's password
- `$remember` (boolean): Remember me checkbox value (temporary or permanent session)
- `$captcha` (string): captcha code if needed, default NULL

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message
 - `hash` (string): The session hash to be stored in the session cookie
 - `expire` (int): Timestamp of session expiry time

register

Description:

Handles the registration of a new user.

Parameters:

- `$email` (string): User's email address
- `$password` (string): User's password
- `$repeatpassword` (string): User's password confirmation
- `$params` (array): additional params to set in users table (attr_name => value), default Array()
- `$captcha` (string): captcha code if needed, default NULL
- `$sendmail` (boolean): enable/disable email activation, default NULL

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not

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Clone in Desktop

- `message` (string): User-friendly error / success message

activate

Description:

Activates a user's account with the activation key sent via email

Parameters:

- `$key` (string): The user's activation key

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

requestReset

Description:

Creates a password reset request for a given email address and sends email

Parameters:

- `$email` (string): User's email address

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

logout

Description:

Terminates a given session

Parameters:

- `$hash` (string): User's session hash

Returns:

- (boolean)

getHash

Description:

Hashes a given string with the provided salt using bcrypt

Parameters:

- `$string` (string): String to hash
- `$salt` (string): Salt to hash the string with

Returns:

- (string)

getUID

Description:

Gets the user's ID associated with a given email address

Parameters:

- `$email` (string): User's email address

Returns:

- `$id` (int): User's ID

addSession

Description:

Creates a session for a given UID

Parameters:

- `$uid` (int): User's ID
- `$remember` (boolean): Remember me checkbox value (temporary or permanent session)

Returns:

- `$data` (array)
 - `hash` (string): The session hash to be stored in the session cookie
 - `expire` (int): Timestamp of session expiry time

deleteExistingSessions

Description:

Removes all existing sessions for a given UID

Parameters:

- `$uid` (int): User's ID

Returns:

- (boolean)

deleteSession

Description:

Deletes the session associated with a given session hash

Parameters:

- `$hash` (string): The session hash

Returns:

- (boolean)

checkSession

Description: Checks if a session hash is valid

Parameters:

- `$hash` (string): The session hash

Returns:

- (boolean)

getSessionUID

Description: Retrieves the UID associated with a given session hash

Parameters:

- `$hash` (string): The session hash

Returns:

- `$uid` (int): User's ID

isEmailTaken

Description:

Checks if an email is already in use by another user

Parameters:

- `$email` (string): An email address

Returns:

- (boolean)

addUser

Description:

Adds a new user to the database

Parameters:

- `$email` (string): User's email address
- `$password` (string): User's password

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

getUser

Description: Gets user data for a given UID

Parameters:

- `$uid` (int): User's ID

Returns:

- `$data` (array)
 - `email` (string): User's email address
 - `password` (string): User's password
 - `salt` (string): User's salt
 - `isactive` (boolean): Is user's account activated
 - `uid` (int): User's ID

deleteUser

Description: Delete's a user's account, sessions and requests

Parameters:

- `$uid` (int): User's ID
- `$password` (string): User's password

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

addRequest

Description: Creates a new password reset / activation request for a given user and sends the email

Parameters:

- `$uid` (int): User's ID
- `$email` (string): User's email address
- `$type` (string): Type of request (`activation` or `reset`)

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

getRequest

Description: Returns request data based on request key and type

Parameters:

- `$key` (string): Request key
- `$type` (string): Type of request (`activation` or `reset`)

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `id` (int): Request ID
 - `uid` (int): User's ID

deleteRequest

Description: Deletes a request by request ID

Parameters:

- `$id` (int): Request ID

Returns:

- (boolean)

validatePassword

Description: Checks if a password meets specific length and strength requirements

Parameters:

- `$password` (string): User's password

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not

validateEmail

Description: Checks if an email address is valid and is not banned

Parameters:

- `$email` (string): User's email address

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not

resetPass

Description: Allows a user to change their password with a password reset request key

Parameters:

- `$key` (string): Request key
- `$password` (string): User's password
- `$repeatpassword` (string): User's password confirmation

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

resendActivation

Description: Allows a user to resend an activation email

Parameters:

- `$email` (string): User's email address

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

changePassword

Description: Allows a user to change their password

Parameters:

- `$uid` (int): User's ID
- `$currpas` (string): User's current password
- `$newpass` (string): User's new password
- `$repeatnewpass` (string): User's new password confirmation

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not
 - `message` (string): User-friendly error / success message

changeEmail

Description: Allows a user to change their email address

Parameters:

- `$uid` (int): User's ID
- `$email` (string): User's new email address
- `$password` (string): User's password

Returns:

- `$return` (array)
 - `error` (boolean): Informs whether an error was encountered or not

- `message` (string): User-friendly error / success message

isBlocked

Description: Checks if an IP is temporarily blocked from the system

Parameters:

`Void`

Returns:

- (boolean)

addAttempt

Description: Increments the attempt counter for the current IP

Parameters:

`Void`

Returns:

- (boolean)

deleteAttempts

Description: Resets the attempt counter for a given IP

Parameters:

- `$ip` (string): User's IP

Returns:

- (boolean)

getRandomKey

Description: Provides a randomly generated string

Parameters:

- `$length` (int): Randomly generated string length

Returns:

- `$key` (string): Randomly generated string

getIp

Description: Provides the current user's IP

Parameters:

`Void`

Returns:

- `$ip` (string): User's IP

password_verify_with_rehash

Description: Verifies the entered password against the stored hash. If the `bcrypt_cost` setting are now stronger than when the password was originally hashed and stored in the database, the password will be rehashed and the database-entry replaced by the new value.

Parameters:

- `$password` (string): Password to verify.
- `$hash` (string): Hash to to verify password against.
- `$uid` (int): User's id.

Returns:

- (boolean)