rolisz

0.0.3

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Internationalization

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Make the interface implement countable, iterator interfaces

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6.2.1 Detailed Description

Author

> **Roland** (p. 11) Szabo

Todo

> Error handling function
> Language Detection
> Internationalization
> Set conditions for dynamic part of url

Author

> **Roland** (p. 11) Szabo

Todo

> Make the interface implement countable, iterator interfaces

Author

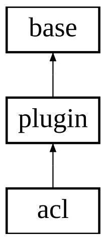
> **Roland** (p. 11) Szabo

Chapter 7

Data Structure Documentation

7.1 acl Class Reference

Inheritance diagram for acl:



Public Member Functions

- **__construct** ($requester, $prefix= ”, $deny= ’default’, $sourceType= ’db’)
- **getName** ()
- **run** ()
- **isAllowed** ($function)
- **init** ($prefix= ”, $dbCon=FALSE)
- **addNew** ($type, $what, $where=FALSE)
- **editACL** ($type, $what, $towhat, $where=FALSE)
- **deleteACL** ($type, $what)
- **getACL** ($type)

Private Member Functions

- **checkConsistency** ()
- **getPath** ($array)

Private Attributes

- **$acl**
- **$source**
- **$sourceType**
- **$requester**
- **$prefix** = NULL
- **$denyFunction**

7.1.1 Detailed Description

This plugin allows you to easily work with Access Control Lists. It integrates with the router class, automatically checking if the current requester has permission to run the functions associated with the URL.

Author

Roland (p. 11) Szabo

7.1.2 Constructor & Destructor Documentation

7.1.2.1 __construct ($ *requester*, $ *prefix* = `''`, $ *deny* = `'default'`, $ *sourceType* = `'db'`)

Constructor for ACL lists. Initializes internal list. The third parameter Fourth parameter is

Parameters

string	*$requester*	the requester that will be used for ACL.
function	*$deny*	indicates a function that will be called instead of those that the requester can't acces.
array | string	*$prefix*	is either the prefix for the tables, if database based ACL's are used or it can be an array, passed like this: `array('requesters' => array('users' => array('test' , 'rolisz'), 'mods' => array('bad_mod'), 'admins'), 'resources' => array('posts' , 'stats' , 'comments' , 'users'), 'actions' => array('view' , 'edit' , 'delete' , 'ban'), 'permissions' => array(array('users' , 'posts' , 'view'), array('users' , 'comments' , 'view'), array('users' , 'comments' , 'add')))` . It can be a database table, in which case the plugin will use the default database connection through the table class. Or it can be an XML file.
	$sourceType	optional, defaults to 'db'. It must be 'xml' if you use an XML file, or a **databaseAdapter** (p. 20) object if you want to get the ACL table from a different database.

7.1.3 Member Function Documentation

7.1.3.1 addNew ($ *type*, $ *what*, $ *where* = `FALSE`)

Adds a new type of resource, action, requester or permission. Works only with database and XML based ACLs.

Parameters

string	*$type*	It can be 'resource', 'action', 'requester' or 'permission'
mixed	*$what*	For 'resource', 'action' and 'requester' it should be a string containing the name of the new element. For 'permission' it should be an associative array containing key-value pairs for each of the types. If no action has to be defined then it action should be NULL.
string	*$where*	Used only for 'requester', it should the name of the node below which to insert. If it is not found, the new value is inserted as a new group.

Return values

false	It returns false if you are trying to use it without a database or XML file.
true	

7.1.3.2 checkConsistency ( ) `[private]`

This checks for the consistency of the ACL list.

Return values

true	
false	

7.1.3.3 deleteACL ($ *type*, $ *what*)

Delete something from the ACL. Parameters the same as for **addNew()** (p. 15), except the last parameter is not used again

Parameters

string	*$type*	It can be 'resource', 'action', 'requester' or 'permission'
mixed	*$what*	For 'resource', 'action' and 'requester' it should be a string containing the name of the new element. For 'permission' it should be an associative array containing key-value pairs for each of the types. If no action has to be defined then it action should be NULL.

Return values

false	It returns false if you are trying to use it without a database or XML file or if an element can't be found.
true	

7.1.3.4 editACL ($ *type*, $ *what*, $ *towhat*, $ *where* = `FALSE`)

Edit the ACL. Parameters the same as for **addNew()** (p. 15), except an extra parameter.

Parameters

string	*$type*	It can be 'resource', 'action', 'requester' or 'permission'
mixed	*$what*	For 'resource', 'action' and 'requester' it should be a string containing the name of the new element. For 'permission' it should be an associative array containing key-value pairs for each of the types. If no action has to be defined then it action should be NULL.
string	*$towhat*	What to change this to
string	*$where*	Used only for 'requester', it should the name of the node after which to insert. If it is not found, the new value is inserted as a new group.

Return values

false	It returns false if you are trying to use it without a database or XML file or if an element can't be found.
true	

7.1.3.5 getACL ($ *type*)

Retrieves all requesters, resources, actions or permissions from the database or XML file.

Parameters

string	*$type*	

Returns

array

7.1.3.6 getName ( )

Get name.

Returns

string

Reimplemented from **plugin** (p. 34).

7.1.3.7 getPath ($ *array*) `[private]`

Recursively search for requester in acl list

Parameters

array	*$array*	

7.1.3.8 init ($ *prefix* = `''`, $ *dbCon* = `FALSE`)

This creates the necessary tables for ACL. It creates a few default elements for everything. You may specify a prefix for the tables. You may optionally pass it a database connection. Else it will use the framework connection to the database.

Parameters

string	*$prefix*	defaults to empty string ”
database (p. 20)	*$dbCon*	

7.1.3.9 isAllowed ($ *function*)

Verifies if requester has clearance for this.

Parameters

function	*$function*	

Return values

true	
false	

7.1.3.10 run ( )

Executes the plugin at an execution point. It takes the current Route from the router class.

7.1.4 Field Documentation

7.1.4.1 $acl `[private]`

7.1.4.2 $denyFunction `[private]`

7.1.4.3 $prefix = NULL `[private]`

7.1.4.4 $requester `[private]`

7.1.4.5 $source `[private]`

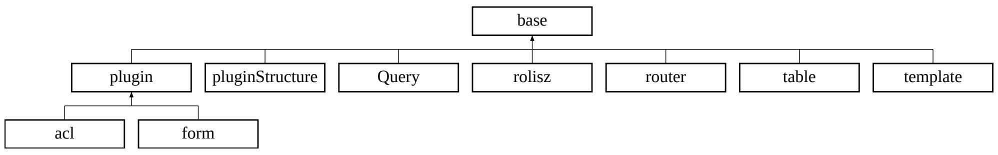
7.1.4.6 $sourceType `[private]`

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

- C:/wamp/www/framework/plugins/**acl.php**

7.2 base Class Reference

Inheritance diagram for base:



Static Public Member Functions

- static **get** ($var)
- static **check** ($var)
- static **set** ($var, $value=FALSE)

Data Fields

- const **AppName** = '**rolisz** PHP framework'
- const **Version** = '0.0.3'
- const **Module** = 'Base class'
- static **$plugins**
- static **$executionPoints**

Static Protected Attributes

- static **$global**

Private Member Functions

- **__construct** ()

7.2.1 Detailed Description

Base class for all the others in the framwork. Defines some framework details, global variables and setters and getters for framework variables.

7.2.2 Constructor & Destructor Documentation

7.2.2.1 __construct ( ) `[private]`

Base constructor is private to disable creation of objects and to reinforce the usage of the singleton pattern.

Reimplemented in **plugin** (p. 33), **pluginStructure** (p. 35), and **template** (p. 55).

7.2.3 Member Function Documentation

7.2.3.1 static check ($ *var*) `[static]`

Checks if $var variable has been set in the framework.

Parameters

string	*$var*	

Return values

true	
false	

7.2.3.2 static get ($ *var*) `[static]`

Return the value of a framework variable or false if it was not found.

Parameters

string	*$var*	

Return values

true	
false	

7.2.3.3 static set ($ *var*, $ *value* = `FALSE`) `[static]`

Set the value of a framework variable. If $var param is a string, then a variable called $var will have the value of $value. If $var is an array, it should be a key-pair value like this `array('var_name'=>'132','2ndvar'=>123)`

Parameters

string | array	*$var*	
mixed	*$value*	

7.2.4 Field Documentation

7.2.4.1 $executionPoints

7.2.4.2 $global `[static, protected]`

7.2.4.3 $plugins

7.2.4.4 const AppName = 'rolisz PHP framework'

7.2.4.5 const Module = 'Base class'

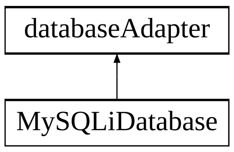
7.2.4.6 const Version = '0.0.3'

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

- C:/wamp/www/framework/**base.php**

7.3 databaseAdapter Class Reference

Inheritance diagram for databaseAdapter:



Public Member Functions

- **__construct** ($host, $username, $password, $db)
- **disconnect** ()
- **escapeValue** ($value)
- **fetchRow** ($query=false, $type='assoc')

- **fetchAll** ($query=false, $type='assoc')
- **getError** ()
- **getInsertID** ()
- **numRows** ()
- **numAffected** ()
- **query** ($query)
- **selectDatabase** ($db)
- **startTransaction** ()
- **commit** ()
- **rollback** ()
- **tableExists** ($**table**)
- **createTable** ($name, $params)
- **dropTable** ($name)
- **alterTable** ($name, $params)

7.3.1 Detailed Description

Defines all the functions a database adapter class should have to be working with rolisz

7.3.2 Constructor & Destructor Documentation

7.3.2.1 __construct ($ *host*, $ *username*, $ *password*, $ *db*)

Reimplemented in **MySQLiDatabase** (p. 27).

7.3.3 Member Function Documentation

7.3.3.1 alterTable ($ *name*, $ *params*)

Reimplemented in **MySQLiDatabase** (p. 28).

7.3.3.2 commit ( )

Reimplemented in **MySQLiDatabase** (p. 28).

7.3.3.3 createTable ($ *name*, $ *params*)

Reimplemented in **MySQLiDatabase** (p. 28).

7.3.3.4 disconnect ( )

Reimplemented in **MySQLiDatabase** (p. 29).

7.3.3.5 dropTable ($ *name*)

Reimplemented in **MySQLiDatabase** (p. 29).

7.3.3.6 escapeValue ($ *value*)

Reimplemented in **MySQLiDatabase** (p. 29).

7.3.3.7 fetchAll ($ *query* = `false`, $ *type* = `'assoc'`)

Reimplemented in **MySQLiDatabase** (p. 29).

7.3.3.8 fetchRow ($ *query* = `false`, $ *type* = `'assoc'`)

Reimplemented in **MySQLiDatabase** (p. 30).

7.3.3.9 getError ( )

Reimplemented in **MySQLiDatabase** (p. 30).

7.3.3.10 getInsertID ( )

Reimplemented in **MySQLiDatabase** (p. 30).

7.3.3.11 numAffected ( )

Reimplemented in **MySQLiDatabase** (p. 31).

7.3.3.12 numRows ( )

Reimplemented in **MySQLiDatabase** (p. 31).

7.3.3.13 query ($ *query*)

7.3.3.14 rollback ( )

Reimplemented in **MySQLiDatabase** (p. 31).

7.3.3.15 selectDatabase ($ *db*)

Reimplemented in **MySQLiDatabase** (p. 31).

7.3.3.16 startTransaction ( )

Reimplemented in **MySQLiDatabase** (p. 32).

7.3.3.17 tableExists ($ *table*)

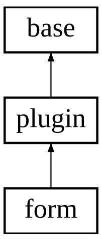
Reimplemented in **MySQLiDatabase** (p. 32).

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

- C:/wamp/www/framework/**databaseAdapter.php**

7.4 form Class Reference

Inheritance diagram for form:



Public Member Functions

- **__construct** ($**form**=array(), $model=FALSE)
- **input** ($type, $options)
- **__call** ($name, $options)
- **removeInput** ($name)
- **show** ()
- **getString** ()
- **validate** ()
- **getName** ()

Static Public Member Functions

- static **getDefaultMethod** ()

Private Member Functions

- **buildString** ()

Private Attributes

- **$inputs**
- **$form**
- **$string**
- **$model** = FALSE

7.4.1 Detailed Description

Helper plugin to generate and validate forms.

7.4.2 Constructor & Destructor Documentation

7.4.2.1 __construct ($ *form* = `array()`, $ *model* = `FALSE`)

Initializes a new form.

Parameters

array	*$form*	details about the form
array	*$model*	optional, a table class initialized with a database table

7.4.3 Member Function Documentation

7.4.3.1 __call ($ *name*, $ *options*)

Magic method for adding new inputs by calling their type directly. Throws an errors if trying to call an inexistent input type.

Parameters

string	*$name*	
array	*$options*	

Returns

$this

7.4.3.2 buildString ( ) `[private]`

Builds the HTML string with the inputs wrapped in unordered list items.

7.4.3.3 static getDefaultMethod ( ) `[static]`

Default method is **getString()** (p. 25)

Reimplemented from **plugin** (p. 34).

7.4.3.4 getName ( )

Return the plugin name

Reimplemented from **plugin** (p. 34).

7.4.3.5 getString ( )

Returns a string containing the form.

Returns

string

7.4.3.6 input ($ *type*, $ *options*)

Adds an input element to the form. For checkboxes that have multiple values, the name is automatically suffixed with []

Parameters

string	*$type*	
array	*$options*	

Returns

$this

7.4.3.7 removeInput ($ *name*)

Remove an input from the form. Useful for the forms generated automatically from databases

Parameters

string	*$name*	

7.4.3.8 show ( )

Outputs the form

7.4.3.9 validate ( )

Validates this form

Return values

true	

false	

7.4.4 Field Documentation

7.4.4.1 **$form** `[private]`

7.4.4.2 **$inputs** `[private]`

7.4.4.3 **$model = FALSE** `[private]`

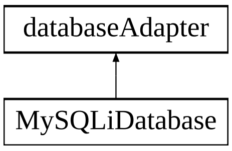
7.4.4.4 **$string** `[private]`

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

- C:/wamp/www/framework/plugins/**form.php**

7.5 MySQLiDatabase Class Reference

Inheritance diagram for MySQLiDatabase:



Public Member Functions

- **__construct** ($host, $username, $password, $db)
- **disconnect** ()
- **__destruct** ()
- **selectDatabase** ($db)
- **startTransaction** ()
- **commit** ()
- **rollback** ()
- **escapeValue** ($value)
- **Query** ($query)
- **fetchFirst** ($query=false)
- **fetchRow** ($query=false, $type=1)
- **fetchAll** ($query=false, $type=1)
- **getError** ()
- **getInsertID** ()
- **numRows** ()

- **numAffected** ()
- **tableExists** ($**table**)
- **createTable** ($name, $params)
- **dropTable** ($name)
- **alterTable** ($name, $params)

Data Fields

- **$connection**
- **$result**
- **$database**
- **$queries**

Private Member Functions

- **connect** ($host, $username, $password)

7.5.1 Detailed Description

MySQLi specific implementation of **databaseAdapter** (p. 20)

7.5.2 Constructor & Destructor Documentation

7.5.2.1 __construct ($ *host*, $ *username*, $ *password*, $ *db*)

Class constructor, initializes connection to MySQL database. Not implemented as singleton pattern because you can have multiple objects, each with a connection to a different database.

Parameters

string	*$host*	
string	*$username*	
string	*$password*	
string	*$db*	

Reimplemented from **databaseAdapter** (p. 21).

7.5.2.2 __destruct ( )

Cleass destructor. Disconnects from the database.

7.5.3 Member Function Documentation

7.5.3.1 alterTable ($ *name*, $ *params*)

Alters $name table. To change it's name by $params must containt an element with key 'name' and value the new name of the table in params. To add a column, $params must contain an element with key 'add' and value an array of columns you wish to add (specified as at createTable). To modify a column, $params must contain an element with key 'edit' and value an array of columns you wish to edit (specified as at createTable). To drop a column, $params must contain an $element with key 'delete' and value the name of the column you want to delete.

Parameters

string	*$name*	
array	*$params*	

Return values

true	
false	

Todo

some checks for valid column names and parameters

Reimplemented from **databaseAdapter** (p. 21).

7.5.3.2 commit ( )

Commits the last transaction

Reimplemented from **databaseAdapter** (p. 21).

7.5.3.3 connect ($ *host*, $ *username*, $ *password*) `[private]`

7.5.3.4 createTable ($ *name*, $ *params*)

Creates a table.

Parameters

string	*$name*	Has to match this regex [A-Za-z0-9_.-]∗
array	*$params*	Example: `array('id'=>array('INT','NOT NULL','AUTO_INCREMENT','PRIMARY KEY'),'text'=>array('TEXT','NOT NULL'))`

Return values

true	
false	

Reimplemented from **databaseAdapter** (p. 21).

7.5.3.5 disconnect ( )

Disconnects from the database

Reimplemented from **databaseAdapter** (p. 21).

7.5.3.6 dropTable ($ *name*)

It drops $name table if it exists. If it doesn't exist it returns true (you wanted it gone, right?).

Parameters

string	*$name*	

Return values

true	
false	

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.7 escapeValue ($ *value*)

Escapes a string for safe MySQL insertion

Parameters

string	*$value*	

Returns

string

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.8 fetchAll ($ *query* = `false`, $ *type* = `1`)

Fetches all the rows from the results of a query. Returns numeric array, associative array or both depending on second parameter:1,2,3

Parameters

string	*$query*	
int	*$type*	1 - Associative array, 2 - Numeric array, 3 - Both

Returns

mixed

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.9 fetchFirst ($ *query* = `false`)

Fetches the first value from the first row of the result of a query.

Parameters

string	*$query*	

Returns

mixed

7.5.3.10 fetchRow ($ *query* = `false`, $ *type* = `1`)

Fetches first row from the results of a query. Returns numeric array, associative array or both depending on second parameter.

Parameters

string	*$query*	
int	*$type*	1 - Associative array, 2 - Numeric array, 3 - Both

Returns

mixed

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.11 getError ( )

Return the last MySQLi error

Returns

string

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.12 getInsertID ( )

Returns the id of the last insertion

Returns

int

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.13 numAffected ( )

Returns the number of rows affected by an UPDATE query

Returns

int

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.14 numRows ( )

Returns the number of rows a query returned

Returns

int

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.15 Query ($ *query*)

Executes a query

Parameters

string	*$query*	

Returns

mixed

Todo

change return values for insert, update, delete, select

7.5.3.16 rollback ( )

Rolls back last transaction

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.17 selectDatabase ($ *db*)

Connects to a different database

Parameters

string	*$db*	

Return values

true	
false	

Reimplemented from **databaseAdapter** (p. 22).

7.5.3.18 startTransaction ( )

Starts a new transaction

Reimplemented from **databaseAdapter** (p. 23).

7.5.3.19 tableExists ($ *table*)

Checks if a table exists in the current database

Parameters

string	*$table*	

Return values

true	
false	

Reimplemented from **databaseAdapter** (p. 23).

7.5.4 Field Documentation

7.5.4.1 MySQLi object $connection

Stores the MySQLi connection

7.5.4.2 string $database

Stores the working database

7.5.4.3 array $queries

Stores all the queries that have been executed

7.5.4.4 array $result

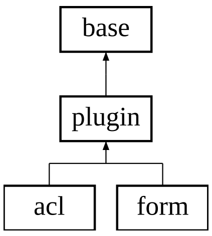
Stores the latest result from a query

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

- C:/wamp/www/framework/**databaseAdapter.php**

7.6 plugin Class Reference

Inheritance diagram for plugin:



Public Member Functions

- **__construct** ()
- **run** ($arg)
- **getName** ()

Static Public Member Functions

- static **getDefaultExecutionPoints** ()
- static **getDefaultMethod** ()

7.6.1 Detailed Description

Plugin class. This is inherited for all the other plugins. Not an interface in case you don't want to redeclare some of the functions in other plugins

7.6.2 Constructor & Destructor Documentation

7.6.2.1 __construct ( )

Constructor

Reimplemented from **base** (p. 19).

7.6.3 Member Function Documentation

7.6.3.1 static getDefaultExecutionPoints ( ) [static]

Returns the default excution points. By default it doesn't have any. The following execution points are available inside the rolisz framework:

- beforeMatch fires in the router module before trying to match the current URL.
- afterMatch fires in the router module after it has succesfully matched a URL. If no URL has been matched, it won't fire.
- hydrateTable fires in the table class if an object has been hydrated from the database.
- saveTable fires in the table class if an object has been successfully saved to the database.
- deleteTable fires in the table class if an object has been successfully deleted from the database.
- compileTemplate fires in the template engine after compiling a template.

Return values

false	
string	
array	

7.6.3.2 static getDefaultMethod ( ) [static]

Returns name of the the default function to run at an execution point. Default is 'run'

Returns

string

Reimplemented in **form** (p. 24).

7.6.3.3 getName ( )

Returns the name of the plugin

Return values

string	

Reimplemented in **acl** (p. 16), and **form** (p. 25).

7.6.3.4 run ($ *arg*)

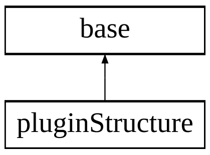
Default function run at an execution point

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

- C:/wamp/www/framework/**plugin.php**

7.7 pluginStructure Class Reference

Inheritance diagram for pluginStructure:



Public Member Functions

- **__construct** ()
- **registerExecutionPoint** ($name)
- **unregisterExecutionPoint** ($name)

Static Public Member Functions

- static **registerPlugin** ($name, $execution=FALSE)
- static **unregisterPlugin** ($name)
- static **checkPlugin** ($name)
- static **checkExecutionPoint** ($name)
- static **runPlugins** ($name)

7.7.1 Detailed Description

Class that handles registering plugins and execution points.

7.7.2 Constructor & Destructor Documentation

7.7.2.1 __construct ( )

Base constructor is private to disable creation of objects and to reinforce the usage of the singleton pattern.

Reimplemented from **base** (p. 19).

7.7.3 Member Function Documentation

7.7.3.1 static checkExecutionPoint ($ *name*) `[static]`

Checks if an execution point exists.

Parameters

string	*$name*	

Return values

true	
false	

7.7.3.2 static checkPlugin ($ *name*) `[static]`

Checks if a plugin called $name exists.

Parameters

string	*$name*	

Return values

true	
false	

7.7.3.3 registerExecutionPoint ($ *name*)

Adds a new execution point to the internal execution point list.

Parameters

string	*$name*	

7.7.3.4 static registerPlugin ($ *name*, $ *execution* = `FALSE`) `[static]`

Registers a plugin. If the plugin constructor requires parameters, you have to instantiate an object and pass that as a parameter to this function.

Parameters

$name	- string • class • file

- plugin object
- array with a class and the function to call from it

Parameters

$execution	optional and speciefies when to execute the plugin if it has to be executed sometime during the execution of rolisz classes. For a list of events, see plugin() class.

7.7.3.5 static runPlugins ($ *name*) [static]

Runs plugins and functions that are associated with the $name execution point. Any additional parameters will be passed to the function in the same order as they are received.

Parameters

string	*$name*	

7.7.3.6 unregisterExecutionPoint ($ *name*)

Removes an execution point from the internal execution point list. Attention, you can remove rolisz's own execution points, after which it may no longer work as expected.

Parameters

string	*$name*	

7.7.3.7 static unregisterPlugin ($ *name*) [static]

Unregisters a plugin.

Parameters

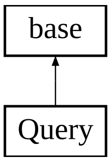
string	*$name*	name of the plugin, as returned by the **plugin::getName()** (p. 34) method.

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

- C:/wamp/www/framework/**pluginStructure.php**

7.8 Query Class Reference

Inheritance diagram for Query:



Public Member Functions

- **__construct** ($class, $filters, $ordergroup, $columns)
- **buildQuery** ()
- **getCount** ()

Private Member Functions

- **buildFilters** ($property, $value, $class)
- **buildOrderBy** ()
- **buildJoins** ($child, $parent)

7.8.1 Detailed Description

/class **Query** (p. 37) Helper class for making the more complicated join queries. Should not be called directly, only throught the find() function

7.8.2 Constructor & Destructor Documentation

7.8.2.1 __construct ($ *class,* $ *filters,* $ *ordergroup,* $ *columns*)

Constructor.

Parameters

string	*$class*	
array	*$filters*	
array	*$ordergroup*	
array	*$columns*	

7.8.3 Member Function Documentation

7.8.3.1 buildFilters ($ *property,* $ *value,* $ *class*) [private]

Processes the filters passed in the constructor and returns appropiate SQL queries

Parameters

mixed	*$property*	
mixed	*$value*	

table	*$class*	

Returns

string

7.8.3.2 buildJoins ($ *child*, $ *parent*) [private]

Makes the SQL strings for the JOINS necesary in the filtering

Parameters

table	*$child*	
table	*$parent*	

7.8.3.3 buildOrderBy ( ) [private]

Build the order, group, limit SQL strings for the query. They are put in variables inside the class.

7.8.3.4 buildQuery ( )

Simply joins and returns all the stuff done in the previous functions

Returns

string with SQL statement

7.8.3.5 getCount ( )

Get’s a count for how many rows would a query return

Returns

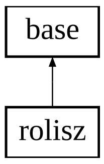
int;

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

- C:/wamp/www/framework/**table.php**

7.9 rolisz Class Reference

Inheritance diagram for rolisz:



Static Public Member Functions

- static **call** ($funcs, $args)
- static **connect** ($dbtype, $host, $username, $password, $db)
- static **autoload** ($class)
- static **http404** ()
- static **fixSlashes** ($str)
- static **fixBraces** ($str)
- static **plugin** ()
- static **runPlugins** ($name)
- static **route** ($pattern, $funcs, $http= 'GET', $name=FALSE)
- static **run** ()
- static **urlFor** ($name, $params=array())
- static **table** ($**table**, $id=FALSE, $columns=FALSE, $connection=FALSE)
- static **start** ()

7.9.1 Detailed Description

Central class, contains only the most common functions or wrappers for the other classes

7.9.2 Member Function Documentation

7.9.2.1 static autoload ($ *class*) `[static]`

Autoloader function. Lazy-loads classes from files first from the framework directory, then the framework plugin directory, then the current one and finally a plugins folder situated in the current folder. Files must be named the same the classes

Parameters

string	*$class*	

7.9.2.2 static call ($ *funcs,* $ *args*) `[static]`

Calls functions and includes files and passes them $args as argument

Parameters

mixed	*$funcs*	

array	*$args*	

7.9.2.3 static connect ($ *dbtype*, $ *host*, $ *username*, $ *password*, $ *db*) `[static]`

Connects to a database adapter that implements the interface defined in **databaseAdapter.php** (p. 59) Checks for the existence of the class in **databaseAdapter.php** (p. 59) and then in a file called $dbtype.DatabaseAdapter.php

Parameters

string	*$dbtype*	Database type. For now there is support for MySQL
string	*$host*	
string	*$username*	
string	*$password*	
string	*$db*	

Returns

databaseAdapter (p. 20)

7.9.2.4 static fixBraces ($ *str*) `[static]`

Fix mangled braces

Parameters

string	*$str*	

Returns

string

7.9.2.5 static fixSlashes ($ *str*) `[static]`

Convert Windows double-backslashes to slashes

Parameters

string	*$str*	

Returns

string

7.9.2.6 static http404 ( ) `[static]`

Trigger an HTTP 404 error. If the 404 framework variable has been set to a function, it will get called. Else, it just triggers an error saying the page was not found.

7.9.2.7 static plugin ( ) `[static]`

Plugin functions Return an instance of **pluginStructure** (p. 35)

Returns

pluginStructure (p. 35)

7.9.2.8 static route ($ *pattern*, $ *funcs*, $ *http* = `'GET'`, $ *name* = `FALSE`) `[static]`

Wrappers for the router class

See also

router::route (p. 44)

7.9.2.9 static run ( ) `[static]`

See also

router::run (p. 44)

7.9.2.10 static runPlugins ($ *name*) `[static]`

Runs plugins associated with $name execution point. Additional parameters will be passed to plugin as parameters

Parameters

string	*$name*	

7.9.2.11 static start ( ) `[static]`

Sets up autoload, initializes some constants and starts session.

7.9.2.12 static table ($ *table*, $ *id* = `FALSE`, $ *columns* = `FALSE`, $ *connection* = `FALSE`) `[static]`

Wrappers for tables Returns a new instance of table class. For parameters

See also

table (p. 45)

Returns

table

7.9.2.13 static urlFor ($ *name*, $ *params* = `array()`) `[static]`

See also

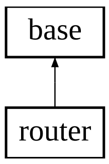
router::urlFor (p. 44)

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

- C:/wamp/www/framework/**rolisz.php**

7.10 router Class Reference

Inheritance diagram for router:



Static Public Member Functions

- static **route** ($pattern, $funcs, $http= 'GET', $name=FALSE)
- static **run** ()
- static **urlFor** ($name, $params=array())

Static Private Member Functions

- static **matches** ($route)

7.10.1 Detailed Description

This class provides URL routing, pretty URLs and named URLs functionality.

7.10.2 Member Function Documentation

7.10.2.1 static matches ($ *route*) `[static, private]`

Checks if $route matches the current URL

Parameters

string	*$route*	

Return values

true	
false	

7.10.2.2 static route ($ *pattern,* $ *funcs,* $ *http* = `'GET'`, $ *name* = `FALSE`) `[static]`

Set a new route pattern.

Parameters

string | array	*$pattern*	defines the route. It can contain variables like /:var/ and catch-alls at the end: url/∗. If it's an array of routes (that all lead to the same thing), the $name parameter will be ignored.
mixed	*$funcs*	defines the functions that can be passed as arguments. The functions can given as a list names separated by |, an array consisting of things that return true to is_callable(). If the array contains things that return false, it will trigger an error and the element will be unset. Also, you can just pass an anonymous function. If you give it as a string, you can also pass files.
string	*$http*	optional, defaults to GET, and is the HTTP method for which this route is valid. It can be GET or POST. If you want the route to be valid for AJAX calls only, use AGET or APOST.
string	*$name*	optional, defaults to FALSE and gives the name of the route, to be used with **urlFor()** (p. 44).

7.10.2.3 static run ( ) `[static]`

Process routes based on the incoming URI. If no match is found, a 404 error is trigerred. beforeMatch and afterMatch plugins are called here. Throttles outputting the script until **rolisz::get** (p. 19)('THROTTLE') time has passed.

7.10.2.4 static urlFor ($ *name,* $ *params* = `array()`) `[static]`

Returns a URL with values filled in for a given routing pattern.

Parameters

string	*$name*	name of the URL pattern, as given in **route()** (p. 44) function
array	*$params*	has to be key-value pairs for each parameter in the URL pattern.

Returns

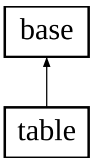
string

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

- C:/wamp/www/framework/**router.php**

7.11 table Class Reference

Inheritance diagram for table:



Public Member Functions

- **__construct** ($**table**, $id=FALSE, $columns=FALSE, $connection=FALSE)
- **__set** ($name, $value)
- **__get** ($name)
- **__isset** ($name)
- **__sleep** ()
- **__call** ($name, $args)
- **getPrimaryKey** ($value=FALSE)
- **getData** ($object=FALSE)
- **isHydrated** ()
- **save** ()
- **delete** ()
- **find** ($**table**, $filters=array(), $ordergroup=array(), $columns=array(), $import=TRUE)
- **countRows** ($**table**, $filters=array(), $ordergroup=array())
- **addRelation** ($tablename, $arg1, $arg2=FALSE)
- **addRelationM2M** ($connectortable, $thisid, $mappedid, $connectedtable, $thatid, $cmappedid)
- **setAll** ($values)

Static Public Member Functions

- static **importRows** ($**table**, $values)
- static **set** ($**table**, $id=FALSE, $columns=FALSE, $connection=FALSE)
- static **addRelationM2MS** ($**table**, $connectortable, $thisid, $mappedid, $connectedtable, $thatid, $cmappedid)
- static **addRelationS** ($**table**, $tablename, $arg1, $arg2=FALSE)
- static **findS** ($**table**, $filters=array(), $ordergroup=array(), $columns=array())
- static **countRowsS** ($**table**, $filters=array(), $ordergroup=array())

Data Fields

- **$table**

Static Public Attributes

- static **$tables** = array()
- static **$relations** = array()

Private Member Functions

- **hydrate** ($id)
- **getColumns** ()
- **analyzeRelations** ()

Private Attributes

- **$connection**
- **$originalData** = array()
- **$modifiedData** = array()

Static Private Attributes

- static **$primaryKey** = array()

7.11.1 Detailed Description

Provides CRUD and ORM functionality. Detects automatically all the columns of a table. If you have a table that gets called a lot you should extend this table and set the tables columns in your code, to save a database query that gets the columns of this table.

7.11.2 Constructor & Destructor Documentation

7.11.2.1 __construct ($ *table*, $ *id* = `FALSE`, $ *columns* = `FALSE`, $ *connection* = `FALSE`)

Initializes the table.

Parameters

string	*$table*	
int	*$id*	optional
array	*$columns*	- primary key is defined like this: 'PRI'=>array('id'=>'int'). Optional. Defaults to all columns
database (p. 20)	*$connection,.*	Optional. Defaults to global connection in rolisz.

7.11.3 Member Function Documentation

7.11.3.1 __call ($ *name*, $ *args*)

Magic method for setting or getting related tables. If function is called without argument, it will find the related tables. It will automatically save the connection!

Parameters

string	*$name*	
array	*$args*	

Todo

$args could be a table of $name

7.11.3.2 __get ($ *name*)

Magic method for accesing dynamic properties

Parameters

string	*$name*	

Returns

mixed

7.11.3.3 __isset ($ *name*)

Magic method that checks if a column exists

Parameters

string	*$name*	

Return values

true	
false	

7.11.3.4 __set ($ *name*, $ *value*)

Magic method for setting dynamic properties

Parameters

string	*$name*	
string	*$value*	

7.11.3.5 __sleep ( )

Magic method for serialization

7.11.3.6 addRelation ($ *tablename*, $ *arg1*, $ *arg2* = `FALSE`)

Adds a relation to another table. This is for many-to-one or one-to-one relations. If third argument isn't passed, it defaults to the table primary key. Returns the table we are working on, to allow chaining of methods.

Parameters

string	*$tablename*	
string	*$arg1*	
string	*$arg2*	

Returns

$this

7.11.3.7 addRelationM2M ($ *connectortable*, $ *thisid*, $ *mappedid*, $ *connectedtable*, $ *thatid*, $ *cmappedid*)

Adds a many-to-many relation between tables. Returns the table we are working on, to allow chaining of methods.

Parameters

string	*$connec-tortable*	
string	*$thisid*	
string	*$mappedid*	
string	*$connect-edtable*	

string	*$thatid*	
string	*$cmappedid*	

Todo

find a way to reduce arguments

Returns

$this

7.11.3.8 static addRelationM2MS ($ *table,* $ *connectortable,* $ *thisid,* $ *mappedid,* $ *connectedtable,* $ *thatid,* $ *cmappedid*) `[static]`

Adds a Many-To-Many relationship statically. See **addRelationM2M()** (p. 48).

Parameters

string	*$table*	The table from which to start the relation
string	*$connec-tortable*	
string	*$thisid*	
string	*$mappedid*	
string	*$connect-edtable*	
string	*$thatid*	
string	*$cmappedid*	

7.11.3.9 static addRelationS ($ *table,* $ *tablename,* $ *arg1,* $ *arg2* = `FALSE`) `[static]`

Adds a relation to another table statically. See **addRelation()** (p. 48).

Parameters

string	*$table*	The table from which to start the relation
string	*$tablename*	
string	*$arg1*	
string	*$arg2*	

7.11.3.10 analyzeRelations ( ) `[private]`

Analyzes the relation between tables and marks them accordingly. So far only ONE TO MANY and MANY TO MANY ones.

7.11.3.11 countRows ($ *table*, $ *filters* = `array()`, $ *ordergroup* = `array()`)

Returns the number of rows that result from a SELECT query. Parameters are the same as for **find()** (p. 50), except that you can't return only some columns. Also, ordering is not included in the query.

Parameters

string	*$table*	Table in which to search
array	*$filters*	Filters to apply. Can be name=>value pair, SQL statement, or recursive array relating to conditions on other tables
array	*$ordergroup*	How to order, group and limit the search

Returns

int

7.11.3.12 static countRowsS ($ *table*, $ *filters* = `array()`, $ *ordergroup* = `array()`) `[static]`

Static wrapper for **countRows()** (p. 50). Arguments the same.

Parameters

string	*$table*	Table in which to search
array	*$filters*	Filters to apply. Can be name=>value pair, SQL statement, or recursive array relating to conditions on other tables
array	*$ordergroup*	How to order, group and limit the search

Returns

int

7.11.3.13 delete ( )

Delete the current record from the database

7.11.3.14 find ($ *table*, $ *filters* = `array()`, $ *ordergroup* = `array()`, $ *columns* = `array()`, $ *import* = `TRUE`)

Makes and executes a SQL query, based on various filters, orders, groups, and columns to return.

Parameters

string	*$table*	Table in which to search
array	*$filters*	Filters to apply. Can be name=>value pair, SQL statement, or recursive array relating to conditions on other tables
array	*$ordergroup*	How to order, group and limit the search

array	*$columns*	What columns to return in search. You can pass key value pairs to retrieve values from other tables such as 'relatedTable'=>'column'
bool	*$import*	- whether to import the resulting stuff into tables or not. Default is true. Set to false if you use the $columns parameter to retrieve values from other tables.

Returns

array

7.11.3.15 static findS ($ *table*, $ *filters* = `array()`, $ *ordergroup* = `array()`, $ *columns* = `array()`) `[static]`

Static wrapper for **find()** (p. 50). Arguments the same.

Parameters

string	*$table*	Table in which to search
array	*$filters*	Filters to apply. Can be name=>value pair, SQL statement, or recursive array relating to conditions on other tables
array	*$ordergroup*	How to order, group and limit the search
array	*$columns*	What columns to return in search

Returns

array

7.11.3.16 getColumns ( ) `[private]`

Populates the $data property of the object with the columns of the table and gets the primary key of the table, if it exists

7.11.3.17 getData ($ *object* = `FALSE`)

Returns the values of the current row as a key=>value array. If the $object parameter is set to true, it returns an object with it's properties having the role of key-value pairs. If it hasn't been hydrated, it returns false.

Parameters

boolean	*$object*	

Returns

mixed

7.11.3.18 getPrimaryKey ($ *value* = `FALSE`)

Returns the primary key of this table. If $value is TRUE, then it returns the value of the primary key for this row

Parameters

bool	*$value*	

Return values

int	Value of the primary key
string	The name of the primary key

7.11.3.19 hydrate ($ *id*) `[private]`

Populate the object with data from the table, selected according to primary key value

Parameters

int	*$id*	

Returns

array

7.11.3.20 static importRows ($ *table,* $ *values*) `[static]`

Imports an array of rows and returns an array of table objects filled with values. If there is only one row in $values, it returns it as an object instead of as an array.

Parameters

string	*$table*	
array	*$values*	

Returns

array|object

7.11.3.21 isHydrated ( )

Returns whether or not this object has been hydrated (did it load data from a table). It also returns true if it has already been saved to the database.

Return values

true	
false	

7.11.3.22 save ( )

Save changes made to object. If the object was hydrated, it will be updated. If it was created from scratch, it will be inserted into the database

Return values

true	If modifying was succesfull
int	If a row was inserted, it returns the insert ID
false	If there was an error

7.11.3.23 static set ($ *table*, $ *id* = `FALSE`, $ *columns* = `FALSE`, $ *connection* = `FALSE`) `[static]`

Static convenience wrapper functions Initializes a certain table

Parameters

string	*$table*	
int	*$id*	
array	*$columns*	
database (p. 20)	*$connection*	

7.11.3.24 setAll ($ *values*)

Set all the values of row at once. It doesn't save the row to the database.

Parameters

array	*$values*	

7.11.4 Field Documentation

7.11.4.1 $connection `[private]`

7.11.4.2 $modifiedData = array() `[private]`

7.11.4.3 $originalData = array() `[private]`

7.11.4.4 $primaryKey = array() `[static, private]`

7.11.4.5 $relations = array() `[static]`

Static variable containing the relations between tables

7.11.4.6 $table

Contains the table name of this object

7.11.4.7 $tables = array() `[static]`

Static variable containing the columns of all tables that have been instantiated

Todo

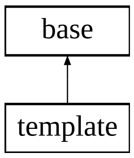
allow objects representing same table, but different columns

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

- C:/wamp/www/framework/**table.php**

7.12 template Class Reference

Inheritance diagram for template:



Public Member Functions

- **__construct** ()
- **__set** ($var, $value=FALSE)
- **assign** ($var, $value=FALSE)
- **__get** ($name)
- **__toString** ()
- **view** ($tpl)
- **getOutput** ($**template**)
- **includeSub** ($**template**)

Private Member Functions

- **checkCompile** ($**template**)
- **compile** ($**template**)

Static Private Attributes

- static **$values**

7.12.1 Detailed Description

Provides basic templating capabilites

7.12.2 Constructor & Destructor Documentation

7.12.2.1 __construct ( )

Empty constructor. It's created separately to prevent inheriting the singleton pattern from base.

Reimplemented from **base** (p. 19).

7.12.3 Member Function Documentation

7.12.3.1 __get ($ *name*)

Return value of template variable, false if not found. This is separate from the rolisz global variables.

Parameters

string	*$name*	

Return values

true	
false	

7.12.3.2 __set ($ *var*, $ *value* = `FALSE`)

Set the value of a template variable magically. If $var param is string, then a variable called $var will have the value of $value. If $var is array, it should be a key-pair value like this array('var_name'=>'132','2ndvar'=>123). This is separate from the rolisz global variables.

Parameters

string | array	*$var*	
mixed	*$value*	

7.12.3.3 __toString ( )

Magic method for the serialization of the template object.

Returns

string containing the template

7.12.3.4 assign ($ *var*, $ *value* = `FALSE`)

Set the value of a template variable. If $var param is string, then a variable called $var will have the value of $value. If $var is array, it should be a key-pair value like this array('var_name'=>'132','2ndvar'=>123). This is separate from the rolisz global variables.

Parameters

string | array	*$var*	
mixed	*$value*	

7.12.3.5 checkCompile ($ *template*) `[private]`

Checks if the file has been compiled to the temp folder and if it is more recent than the last change to the template

Parameters

string	*$template*	

Return values

true	
false	

7.12.3.6 compile ($ *template*) `[private]`

Performs the replacing of the shorthand tags to full PHP tags in the $template file. Places the results in a temp folder, in a file called the md5 value of $template, to prevent collisions.

Parameters

string	*$template*	

7.12.3.7 getOutput ($ *template*)

Compiles, executes, and filters a template source.

Parameters

string	*$template*	The template to process;

Returns

mixed The template output string

7.12.3.8 includeSub ($ *template*)

Includes another template

Parameters

string	*$template*	

7.12.3.9 view ($ *tpl*)

Prints the $tpl template after compiling

Parameters

string	*$tpl*	

7.12.4 Field Documentation

7.12.4.1 $values `[static, private]`

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

- C:/wamp/www/framework/**template.php**

Chapter 8

File Documentation

8.1 C:/wamp/www/framework/base.php File Reference

Data Structures

- class **base**

Namespaces

- namespace **rolisz**

8.2 C:/wamp/www/framework/databaseAdapter.php File Reference

Data Structures

- class **databaseAdapter**
- class **MySQLiDatabase**

Namespaces

- namespace **rolisz**

8.3 C:/wamp/www/framework/misc_functions.php File Reference

Functions

- static **recursify** ($array, $end= ”)
- static **array_filter_key** ($input, $callback)

8.3.1 Function Documentation

8.3.1.1 static array_filter_key ($ *input,* $ *callback*) [static]

Filter an array by keys. Arguments similar to array_filter.

Parameters

array	*$input*	
function	*$callback*	

Returns

array

8.3.1.2 static recursify ($ *array,* $ *end* = *' '*) [static]

Turn linear array into a recursively nested array, with optional argument to be the the value at the end

ex: array('1','2','3') turns into array('1'=>array('2'=>array('3'=>'')))

Parameters

array	*$array*	
mixed	*$end*	

Returns

array

8.4 C:/wamp/www/framework/plugin.php File Reference

Data Structures

- class **plugin**

Namespaces

- namespace **rolisz**

8.5 C:/wamp/www/framework/plugins/acl.php File Reference

Data Structures

- class **acl**

Namespaces

- namespace **rolisz**

8.6 C:/wamp/www/framework/plugins/form.php File Reference

Data Structures

- class **form**

Namespaces

- namespace **rolisz**

8.7 C:/wamp/www/framework/pluginStructure.php File Reference

Data Structures

- class **pluginStructure**

Namespaces

- namespace **rolisz**
- namespace **Roland**

8.8 C:/wamp/www/framework/rolisz.php File Reference

Data Structures

- class **rolisz**

Namespaces

- namespace **rolisz**

8.9 C:/wamp/www/framework/router.php File Reference

Data Structures

- class **router**

Namespaces

- namespace **rolisz**

8.10 C:/wamp/www/framework/table.php File Reference

Data Structures

- class **table**
- class **Query**

Namespaces

- namespace **rolisz**

Enumerations

- enum **SINGLE**
- enum **ONE_TO_MANY**
- enum **MANY**
- enum **NOT_RECOGNIZED**
- enum **NOT_ANALYZED**

8.10.1 Enumeration Type Documentation

8.10.1.1 enum MANY

8.10.1.2 enum NOT_ANALYZED

8.10.1.3 enum NOT_RECOGNIZED

8.10.1.4 enum ONE_TO_MANY

8.10.1.5 enum SINGLE

Constants defined for describing the different kinds of relations between tables

8.11 C:/wamp/www/framework/template.php File Reference

Data Structures

- class **template**

Namespaces

- namespace **rolisz**

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