EWA Page Templates (EWA-Seitenklassen)

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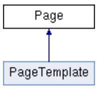
3.1

Class Documentation

Page

Inheritance diagram for Page:



Public Member Functions

- **__destruct** ()

Protected Member Functions

- **__construct** ()
- **generatePageHeader** (string $title="", string $jsFile="", bool $autoreload=false)
- **generatePageFooter** ()
- **processReceivedData** ()

Protected Attributes

- MySQLi **$_database**

Detailed Description

This abstract class is a common base class for all HTML-pages to be created. It manages access to the database and provides operations for outputting header and footer of a page. Specific pages have to inherit from that class. Each derived class can use these operations for accessing the database and for creating the generic parts of a HTML-page.

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Constructor & Destructor Documentation

__construct () `[protected]`

Connects to DB and stores the connection in member $_database. Needs name of DB, user, password.

Reimplemented in **PageTemplate** (*p.6*).

__destruct ()

Closes the DB connection and cleans up

Reimplemented in **PageTemplate** (*p.6*).

Member Function Documentation

generatePageFooter () `[protected]`

Outputs the end of the HTML-file i.e. </body> etc.

Returns

void

generatePageHeader (string *$title* = `""`, string *$jsFile* = `""`, bool *$autoreload* = `false`) `[protected]`

Generates the header section of the page. i.e. starting from the content type up to the body-tag. Takes care that all strings passed from outside are converted to safe HTML by htmlspecialchars.

Parameters

string	*$title*	$title is the text to be used as title of the page
string	*$jsFile*	path to a java script file to be included, default is "" i.e. no java script file
bool	*$autoreload*	true: auto reload the page every 5 s, false: not auto reload

Returns

void

processReceivedData () `[protected]`

Processes the data that comes in via GET or POST. If every derived page is supposed to do something common with submitted data do it here. E.g. checking the settings of PHP that influence passing the parameters (e.g. magic_quotes).

Returns

void

Reimplemented in **PageTemplate** (*p.7*).

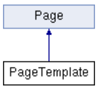
Member Data Documentation

MySQLi $_database `[protected]`

Reference to the MySQLi-Database that can be used by all operations of the class or inherited classes.

PageTemplate

Inheritance diagram for PageTemplate:



Public Member Functions

- **__destruct** ()

Static Public Member Functions

- static **main** ()

Protected Member Functions

- **__construct** ()
- **getViewData** ()
- **generateView** ()
- **processReceivedData** ()

Additional Inherited Members

Detailed Description

This is a template for top level classes, which represent a complete web page and which are called directly by the user. Usually there will only be a single instance of such a class. The name of the template is supposed to be replaced by the name of the specific HTML page e.g. baker. The order of methods might correspond to the order of thinking during implementation.

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Constructor & Destructor Documentation

__construct () `[protected]`

Instantiates members (to be defined above). Calls the constructor of the parent i.e. page class. So, the database connection is established.

Exceptions

Exception	

Reimplemented from **Page** (*p.4*).

__destruct ()

Cleans up whatever is needed. Calls the destructor of the parent i.e. page class. So, the database connection is closed.

Reimplemented from **Page** (*p.4*).

Member Function Documentation

generateView () `[protected]`

First the required data is fetched and then the HTML is assembled for output. i.e. the header is generated, the content of the page ("view") is inserted and -if available- the content of all views contained is generated. Finally, the footer is added.

Returns

void

getViewData () `[protected]`

Fetch all data that is necessary for later output. Data is returned in an array e.g. as associative array.

Returns

array An array containing the requested data. This may be a normal array, an empty array or an associative array.

static main () `[static]`

This main-function has the only purpose to create an instance of the class and to get all the things going. I.e. the operations of the class are called to produce the output of the HTML-file. The name "main" is no keyword for php. It is just used to indicate that function as the central starting point. To make it simpler this is a static function. That is you can simply call it without first creating an instance of the class.

Returns

void

processReceivedData () `[protected]`

Processes the data that comes via GET or POST. If this page is supposed to do something with submitted data do it here.

Returns

void

Reimplemented from **Page** (*p.5*).

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