

ZPhotoSlides Documentation

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ZPhotoSlidesFolder

1 Introduction

ZPhotoSlidesFolder is a container, it contains ZPhotoSlides. You can see it as a folder where you put all your photos albums. It's a quite simple object, a few simple properties, some views and a few modules. A ZPhotoSlidesFolder modules are :

- A ZPhotoSlides manager module.
- A layout module.
- A search module.
- A statistic module.
- A Localizer module.

1.1 ZPhotoSlides manager

This module will help you to add - remove - move - copy ZPhotoSlides and ZPhotoSlidesFolder inside your ZPhotoSlidesFolder object.

1.2 Layout

This module will help you to personalize your ZPhotoSlides Folder so that you can include it in your own website design. Yet you can just give new header and footer to integrate the object but there will be soon more options (mainly CSS oriented).

1.3 Search

Search module make search in subobjects, search for ZPhotoSlides, search for photos inside ZPhotoSlides objects. Search will look in ZPhotoSlides and photos id's, title's, descriptions and keywords.

1.4 Statistic

Statistic record all user requests and just look in statistics of all subobjects. It's in fact a sort of summary of all the subobjects statistics.

1.5 Localizer

This module enable translated versions of ZPhotoSlidesFolder. It can be disabled if user don't have Localizer support. All ZPT and DTML get the gettext object to get the translation in the ".mo" files. Translation will be analysed later.

2 ZPhotoSlidesFolder Class

2.1 Description

ZPhotoSlidesFolder inherit from

- ObjectManager to add, remove, move within the object
- PropertyManager to add, remove, change properties of the object
- RoleManager to configure permissions of the object
- Item inherit from simple object for common methods and properties (Traversable, Undo,...)
- FindSupport to search inside the object

2.2 Views

Permission	Name	Type	Description
public	index_html	DTML	Main view, link to subobjects (ZPhotoSlidesFolder and ZPhotoSlides) following the defined design
public	define_css	DTML	Default CSS
protected	manage_position	DTML	Manage position of all ZPhotoSlides and ZPhotoSlidesFolder inside the current ZPhotoSlidesFolder object
protected	manage_tabs	DTML	Different tabs to access to all manager views
protected	manage_props	DTML	Manage main properties of the object
protected	user_layout_folder	DTML	Define the layout/design of the object
protected	about	DTML	Some information about the product and a form to send user feedback
public	tree	DTML	A tree view of all the subobjects
public	search_photos	DTML	Search for photos in all subobjects of the current object
public	search_result	DTML	The search result of a search in the object and its subobject
protected	manage_main	DTML	Default management view, manage ZPhotoSlidesFolder and ZPhotoSlides in the object
protected	stat_folder	DTML	Statistics summary of all the subobjects
public	index_html_zpt	ZPT	Main view in ZPT
public	batch_macros	ZPT	A batch containing all the subobjects
public	footer	ZPT	footer of the ZPT view
public	header	ZPT	header of the ZPT view
public	breadcrumb	ZPT	Breadcrumb of the current object in the ZODB

2.3 Data members

Private/Public	Name	Type	Description
public	version	string	The product version (used for upgrade)
public	id	string	The object id
public	position	integer	The position of the object (used by position manager)
public	description	string	Description of the object (used for html header and robots)
public	show_breadcrumbs	bool	Show the breadcrumbs?
public	actual_css	string	The default css used
public	update_date	string	The last time product have been modified (in the code only)
public	zphoto_header_folder	string	Name of the object which is the header of the current object
public	zphoto_footer_folder	string	Name of the object which is the footer of the current object
public	keywords	string	List of keywords defined by user
public	catalog	ZCatalog	The ZCatalog object to search for other sub objects
public	css	Folder	The folder containing all the uploaded CSS
public	last_modif	DateTime	Time of the last modification of the object (change of properties)

2.4 Methods

Private/ Public	Name	Type	Description
public	<code>__init__</code>	None	Initialize the object
public	<code>getBatch</code>	Batch	Return the batch with the good objects inside
private	<code>manage_catalog</code>	None	Build the ZCatalog and its index
protected	<code>reCatalog</code>	<code>search_photos</code>	clear the ZCatalog, and put all images into it
protected	<code>upgrade_zphotoslides</code>	<code>manage_props</code>	Upgrade all ZPhotoSlides inside
protected	<code>change_order_by_date</code>	<code>manage_position</code>	Update position of the different ZPhotoSlides and ZPhotoSlidesFolder following the date of modification
protected	<code>change_order</code>	<code>manage_position</code>	change the order of the zphotoslides and ZPhotoSlidesFolder
protected	<code>needupgrade</code>	bool	Check if the object need to be upgraded
protected	<code>upgrade</code>	<code>manage_props</code>	Allow the manager to upgrade to the new ZPhotoSlides Folder
protected	<code>manage_edit</code>	<code>manage_props</code>	Edit the main properties
protected	<code>zphotoslidesIds</code>	list	Return list of ZPhotoSlides in this folder
protected	<code>get_all_photos</code>	list	Return the list of all the photos in this folder (and subfolder recursive)
protected	<code>numZPhotoSlides</code>	integer	Return number of ZPhotoSlides in folder tree (recursive)
protected	<code>numZPhotoSlidesFolder</code>	integer	Return number of ZPhotoSlides in folder tree (recursive)
private	<code>get_thumb_random</code>	Image	Return a random thumbnails of a ZPhotoSlides object
protected	<code>get_nbr_non_hidden_thumb</code>	integer	return the number of photos inside all the ZPhotoSlides of the folder
public	<code>give_header_4_robots</code>	string	Give the header for the robots
protected	<code>new_header_footer_folder</code>	<code>user_layout_folder</code>	Change the standard.html header and footer Folder
protected	<code>__len__</code>	integer	Return number of ZPhotoSlides and ZPhotoSlidesFolder subobjects
protected	<code>__getitem__</code>	ZPhotoSlides — ZPhotoSlidesFolder	Return a ZPhotoSlides or ZPhotoSlidesFolder at position i
protected	<code>index</code>	position	Return the position of a given ZPhotoSlides and ZPhotoSlidesFolder
public	<code>manage_addZPhotoSlidesFolder</code>	string	Create a ZPhotoSlidesFolder inside ZODB

2.4.1 `__init__`

Parameters : `id` : *string*, `title` : *string*, `description` : *string*, `position` : *integer*

Description : Constructor, it set all parameters inside the object at the creation of the object

2.4.2 `getBatch`

Parameters : `files` : *list*, `b_size` : *integer*, `b_start` : *integer*, `orphan` : *bool*

Description : Return a batch of the list with size `b_size` and starting from `b_start` (`orphan = 0` cause we don't want to let an object alone).

2.4.3 manage_catalog

Parameters : None

Description : Create the ZCatalog and its indexes.

2.4.4 reCatalog

Parameters : REQUEST : *dict*

Description : Recatalog all the objects inside the current object.

2.4.5 upgrade_zphotoslides

Parameters : None

Description : Recursive upgrade of all the objects (ZPhotoSlides or ZPhotoSlidesFolder) inside the current object.

2.4.6 change_order_by_date

Parameters : REQUEST : *dict*

Description : Update position of the different ZPhotoslides and zps following the date of modification.

2.4.7 change_order

Parameters : REQUEST : *dict*

Description : Update position of the different ZPhotoslides and ZPhotoSlidesFolder following user order (include in REQUEST as zps.getId() + '_position').

2.4.8 needupgrade

Parameters : None

Description : Check if folder has to be update following version.

2.4.9 upgrade

Parameters : REQUEST : *dict*

Description : Upgrade if needed the folder (mostly for former versions it add new objects)

2.4.10 manage_edit

Parameters : title : *string*, description : *string*, show_breadcrumbs : *bool*, REQUEST : *dict*

Description : Edit the main properties of the object.

2.4.11 zphotoslidesIds

Parameters : None

Description : Return list of ZPhotoSlides id's in this folder.

2.4.12 get_all_photos

Parameters : None

Description : Get the list of all the photos in the folder, it goes recursive to check photos in subfolder and subsubfolders...

2.4.13 numZPhotoSlides

Parameters : None

Description : Get the number of ZPhotoSlides in the current object (recursive also).

2.4.14 numZPhotoSlidesFolder

Parameters : None

Description : Get the number of ZPhotoSlidesFolder in the current object (recursive also).

2.4.15 get_thumb_random

Parameters : thumb_album : *ZPhotoSlides*

Description : Get a random thumbnails for the given ZPhotoSlides.

2.4.16 get_nbr_non_hidden_thumb

Parameters : None

Description : Return the number of photos inside all the ZPhotoSlides and ZPhotoSlidesFolder of the folder (recursive)

2.4.17 give_header_4_robots

Parameters : None

Description : Return a html formatted text containing all the information needed by a robot (like googlebot...), this html is added in the head part of the html index of the object.

2.4.18 new_header_footer_folder

Parameters : REQUEST : *dict*

Description : Set the new header and footer for the object, so that user can put easier the object in his website layout.

2.4.19 __len__

Parameters : None

Description : Return number of ZPhotoSlides and ZPhotoSlidesFolder subobjects

2.4.20 __getitem__

Parameters : i : *integer*

Description : Return a ZPhotoSlides or ZPhotoSlidesFolder at position i

2.4.21 index

Parameters : item : *ZPhotoSlides* — *ZPhotoSlidesFolder*

Description : Return the position of a given ZPhotoSlides and ZPhotoSlidesFolder

2.4.22 manage_addZPhotoSlides

Parameters : dispatcher : *ZPhotoSlidesFolder* or *other container*, id : *string*, title : *string*, description : *string*, REQUEST : *dict*

Description : create a ZPhotoSlidesFolder in the parent object (dispatcher). It add the position (added at the end) and create the object.

Annexes - Diagramme de classe