Bachelorthesis

Titel der Abschlussarbeit

zur Erlangung des akademischen Grades

Bachelor of Science

eingereicht im Fachbereich Mathematik, Naturwissenschaften und Informatik an der
Technische Hochschule Mittelhessen

von

Dieudonne Timma Meyatchie

24. Oktober 2013

Referent: Prof. Dr. Peter Kneisel

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Erklärung der Selbstständigkeit

Hiermit versichere ich, die vorliegende Arbeit selbstständig verfasst und keine anderen als die angegebenen Quellen und Hilfsmittel benutzt sowie die Zitate deutlich kenntlich gemacht zu haben.

Gießen, den 24. Oktober 2013   Dieudonne Timma Meyatchie

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1 Einführung

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1.1 Motivation

Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus.

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1.2 Problembeschreibung

1.3 Ziele dieser Arbeit

1.4 Abgrenzung

1.5 Vorgehensweise

1.6 Struktur der Arbeit

2 Hintergrund

3 Konzept

4 Realisierung

5 Zusammenfassung

5.1 Fazit

5.2 Auswertung

5.3 Weitere Ansätze

5.4 Nächste Schritte

5.5 Ausblick

Literaturverzeichnis

[Cic02] CICERO: Lorem Ipsum (1602), URL `http://de.wikipedia.org/wiki/Lorem_ipsum`

Abbildungsverzeichnis

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Listings

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A Anhang 1

Menu

Page

In der Untersuchung von MenuItems in Joomla stellen wir fest, dass es verschiedene Page Type existiert,die dieselbe Elementen enthalten. Diese Elemente kommen zwar nicht in allen Items, aber so oft genug , damit wir sie eine extra Entität "Menuentry optionsïn der Grammmatik widmen. Sie besteht aus selbst den Entitäten "Link type Options", "Page Display Options", "Metadata Options". Ihre Abbildungen sehen folgenden aus:

CJSL	JOOMLA

• Link Title Attribute
 	
• Link CSS Style
 	
• Link Image
 	
• Add Menu Title
  |- no| yes
	• menu-anchor_title
	
	• menu-anchor_css
	
	• menu_image
	
	• menu_text
	  |- 0 |1

Tabelle A.1: Link Type Options

CJSL	JOOMLA

• Browser Page Title
 	
• Show Page Heading
  |- no| yes
 	
• Page Heading
 	
• Page Class
	• page_title
	
	• show_page_heading
	  |- 0 |1
	
	• page_heading
	
	• pageclass_sfx

Tabelle A.2: Page Display Options

CJSL	JOOMLA
- Meta Description - Meta Keywords - Robots - use global - index, follow - noindex, follow - index, nofollow - noindex,nofollow - Secure - off| on| ignore	- menu-meta_description - menu-meta_keywords - robots - Leer - index,follow - noindex, follow - index,nofollow - noindex,nofollow - secure -1| 1| 0

Tabelle A.3: Metadata Options

Articelpage

In dem Contianer CJSL_Articlepage enthält verschiene Entitäten, die im Joomla Menuitem Type darstellen:

- Archived Articles

- Single Article

- List All Categories

- Category Blog

- Category List

- Featured Articles

- Create Article

Sie besitzen nicht nur die obengenannte Itemoptions gemeinsam, sondern auch verschiedene Entitäten, die nur bei Article Page vorkommen:

- Category Options

- Categories Options

- Blog Layout Options

- Ordering and Pagination Options

- Article Layout Options

- Integrations Options

- ArticleSettingtype

- OptionSettingtype

- MaxLevel Setting

Hier haben wir die Abbildung von den obengenannten Elemente: Die ArticleSettingtype -> ArticleStettingvalue, die ArticleOptiontype -> ArticleOptionvalue, und optionSettingtype -> optionSettingValue

CSL	Joomla
use global	leer
use article setting	use-article
hide	0
show	1

Tabelle A.4: ArticleSettingtype

CSL	Joomla
use global	leer
hide	0
show	1

Tabelle A.5: OptionSettingtype

CSL	Joomla
use global	leer
all	-1
none	0
1-5	1-5

Tabelle A.6: MaxlevelSettingtype

CSL	Joomla
- Show Feed Link |- OptionSettingtype - For each feed item show |- use global |- intro text |- full text	- show_feed_link |- OptionSettingvalue - feed_summary |- leer |- 0 |- 1

Tabelle A.7: Integration Options

CSL	Joomla
- Leading Articles - Intro Articles - Columns - Links - Multi Column Order - use global | down | across	- num_leading_articles - num_intro_articles - num_columns - num_links - multi_column_order - leer| 0| 1

Tabelle A.8: Blog Layout Options

CSL	Joomla
- Show Top Level Category Description - OptionSettingtype - Subcategory Levels - MaxlevelSettingtype - Empty Categories - OptionSettingtype - Subcategories Descriptions - OptionSettingtype - Articles in Category - OptionSettingtype	- show_base_description - OptionSettingvalue - maxLevelcat - MaxlevelSettingvalue - show_empty_categories_cat - OptionSettingvalue - show_subcat_desc_cat - OptionSettingvalue - show_cat_num_articles_cat - OptionSettingvalue

Tabelle A.9: Categories Options

CSL	Joomla
- Category Title - OptionSettingtype - Category Description - OptionSettingtype - Category Image - OptionSettingtype - Subcategory Levels - OptionSettingtype - Empty Categories - OptionSettingtype - No Articles Message - OptionSettingtype - Subcategories Descriptions - OptionSettingtype - Articles in Category - OptionSettingtype	- show_category_title - OptionSettingvalue - show_description - OptionSettingvalue - show_description_image - OptionSettingvalue - maxLevel - OptionSettingvalue - show_empty_categories - OptionSettingvalue - show_no_articles - OptionSettingvalue - show_subcat_desc - OptionSettingvalue - show_cat_num_articles - OptionSettingvalue

Tabelle A.10: Category Options

CSL	Joomla

• Display Select
   - OptionSettingtype
 	
• Filter Field
   - OptionSettingtype
 	
• Table Headings
   - OptionSettingtype
 	
• Show Date
   - OptionSettingtype
 	
• Date Format
 	
• Show Hits in List
   - OptionSettingtype
 	
• Show Author in List
   - OptionSettingtype
	• show_pagination_limit
	   - OptionSettingvalue
	
	• filter_field
	   - OptionSettingvalue
	
	• show_headings
	   - OptionSettingvalue
	
	• list_show_date
	   - OptionSettingvalue
	
	• date_format
	
	• list_show_hits
	   - OptionSettingvalue
	
	• list_show_author
	   - OptionSettingvalue

Tabelle A.11: List Layout Options

CSL	Joomla

- Category Order
  - Use Global | No order
  - Title Alphabetial
  - Title Reverse Alphabetical
  - Category Manager Order
	- orderby_pri
	  - leer* | none
	  - alpha
	  - ralpha
	  - order

- Article Order
  - Use Global
  - Featured Article Order
  - Most Recent First
  - Oldest first
  - Title Alphabetical
  - Title Reverse Alphabetical
  - Author Alphabetical
  - Author Alphabetical Reverse
  - Most Hits
  - Leasts Hits
  - Article Manager Order
	- orderby_sec
	  - leer*
	  - front
	  - rdate
	  - date
	  - alpha
	  - ralpha
	  - author
	  - rauthor
	  - hits
	  - rhits
	  - order

- Date for Ordering
  - use global| created| modified| published
	- order_date
	  - leer | created | modified | published

- Pagination
  - use global|hide |show|auto
	- show_pagination
	  - leer | 0 | 1 | 2

- Pagination Results
  - use global| hide| show
	- show_pagination_results
	  - leer | 0 | 1

Tabelle A.12: Ordering and Pagination Options

CSL	Joomla

• Show Title
   |- ArticleSettingtype
	• show_title
	   - ArticleSettingvalue

• Link Titles*	• link_titles*
• Show Intro*	• show_intro*
• Show Category*	• show_category*
• Link Category*	• link_category*
• Show Parent Category*	• show_parent_category*
• Link parent category*	• link_parent_category*
• Show Author*	• show_author*
• Link Author*	• link_author*
• Show create Date*	• show_create_date*
• Show Modify Date*	• show_modify_date*
• Show Publish Date*	• show_publish_date*
• Show Item Navigation*	• show_item_navigation*
• Show Vote*	• show_vote*
• Show Readmore*	• show_readmore*
• Show Readmore Title*	• show_readmore_title*
• Show Icons*	• show_icons*
• Show Print Icon*	• show_print_icon*
• Show Email Icon*	• show_email_icon*
• Show Hits*	• show_hits*
• Show Unauthorised Links*	• show_noauth*

Tabelle A.13: Article Settings Options

* bedeudet, dass der Element ArticleSettingtype B.z AticleSettingvalue als Parameter hat.

CJSL	JOOMLA

1- List all Categories
 	
• Basic Setting
   - Select a Category
 	
• Categories Options
   + Top Level Category Description
 	
• Category Options
 	
• Blog Layout Options
   + Include Subcategories
     |- MaxlevelSettingType
 	
• Ordering and Pagination Options
 	
• List Layout Options
   + Articles to List
     |- 5 bis 100 | all
 	
• Artikel Layout Options
 	
• Integration Options
 	
• Menuentry Options
	.List all Categories
	
	• Required Setting
	   - featured_categories
	
	• Categories Options
	   + categories_description
	
	• Category Options
	
	• Blog Layout Options
	   + show_subcategory_content
	     |- MaxlevelSettingvalue
	
	• Ordering and Pagination Options
	
	• List Layout Options
	   + display_num
	     |- 5 bis 100 | 0
	
	• Artikel Layout Options
	
	• Integration Options
	
	• Menuitem Options

2- Archived Article
 	
• Basic Setting
   - Article Order (A.12)
   - Date for Ordering (A.12)
   - Articles to List (A.11)
   - Filter Field (A.11)
   - Intro text Limit
 	
• Artikel Layout Options
 	
• Menuentry Options
	2- Archived Article
	
	• Required Setting
	   - orderby_sec (A.12)
	   - order_date (A.12)
	   - display_num (A.11)
	   - filter_field (A.11)
	   - introtext_limit
	
	• Artikel Layout Options
	
	• Menuitem Options

CJSL	JOOMLA

4- Featured Articles
 	
• Required Setting
 	
   - Select Categories
 	
   - ...
 	
• Blog Layout Options
 	
• Ordering and Pagination Options
 	
• Artikel Layout Options
 	
• Integration Options
 	
• Menuentry Options
	4- Featured Articles
	
	• Required Setting
	
	   - featured_categories
	
	   - layout_type
	
	• Blog Layout Options
	
	• Ordering and Pagination Options
	
	• Artikel Layout Options
	
	• Integration Options
	
	• Menuitem Options

5-Category Blog Article
 	
• Basic Setting
 	
   - Select Categories
 	
   - ....
 	
• Category Options
 	
   + Show Subcategories Text
 	
      |- OptionSettingsType
 	
   + Page Subheading
 	
• Blog Layout Options
 	
   + Include Subcategories
 	
      |- MaxlevelSettingType
 	
• Ordering and Pagination Options
 	
• Artikel Layout Options
 	
• Integration Options
 	
• Menuentry Options
	5- Category Blog Article
	
	• Basic Setting
	
	   - featured_categories
	
	   - layout_type
	
	• Category Options
	
	   + show_category_heading_title_text
	
	      |- OptionSettingsValue
	
	   + page_subheading
	
	• Blog Layout Options
	
	   + show_subcategory_content
	
	      |- MaxlevelSettingValue
	
	• Ordering and Pagination Options
	
	• Artikel Layout Options
	
	• Integration Options
	
	• Menuitem Options

CJSL	JOOMLA

6-Category List Articles
 	
• Basic Setting
 	
  - Featured Categories
 	
• Category Options
 	
  + Show Category heading Title
 	
    |- OptionSettingsType
 	
  + Page Subheading
 	
• List Layout Options
 	
  + Articles to List
 	
    |- 5 bis 100 | 0
 	
• Ordering and Pagination Options
 	
• Artikel Layout Options
 	
• Integration Options
 	
• Menuentry Options
	6-Category List Articles
	
	• Basic Setting
	
	  - featured_categories
	
	• Category Options
	
	  + show_category_heading_title_text
	
	    |- OptionSettingsValue
	
	  + page_subheading
	
	• List Layout Options
	
	  + display_num
	
	    |- 5 bis 100 | 0
	
	• Ordering and Pagination Options
	
	• Artikel Layout Options
	
	• Integration Options
	
	• Menuitem Options

7-Create Article
 	
• Basic Setting
 	
  - Default category
 	
  - Choose a category
 	
• Menuentry Options
	7-Create Article
	
	• Basic Setting
	
	  - enable_category
	
	  - catid
	
	• Menuitem Options

3-Single Article
 	
• Basic Setting
 	
  - Select Article
 	
• Artikel Layout Options
 	
• Integration Options
 	
• Menuentry Options
	3-Single Article
	
	• Required Setting
	
	  - id
	
	• Artikel Layout Options
	
	• Integration Options
	
	• Menuitem Options

UserPage

Der Container USerpage besteht aus verschiedene Entitäten, die sich um die Darstellung
des User widmen:

- Login Form

- User Profile

- Edit User Profile

- Registration Form

- Username Reminder Request

- Password Reset

CJSL	JOOMLA

1- Login Form
 	
• Basic Options
 	
  - Login Redirect
 	
  - Login Description
 	
    |- hide |show
 	
  - Login Description Text
 	
  - Login Image
 	
  - Logout Redirect
 	
  - Logout Text
 	
    |- hide | show
 	
  - Logout Description Text
 	
  - Logout image
 	
• Menuentry Options
	1- Login Form
	
	• Basic Options
	
	  - login_redirect_url
	
	  - logindescription_show
	
	    |- 0 | 1
	
	  - login_description
	
	  - login_image
	
	  - logout_redirect_url
	
	  - logoutdescription_show
	
	    |- 0 | 1
	
	  - logout_description
	
	  - logout_image
	
	• Menuitem Options

2- Login Form • Menuentry Options	2- Login Form • Menuitem Options
3- User Profile • Menuentry Options	3-User Profile • Menuitem Options
4- Edit User Profile • Menuentry Options	4-Edit User Profile • Menuitem Options
5-Registration Form • Menuentry Options	5-Registration Form • Menuitem Options
6-Username Reminder Request • Menuentry Options	6-Username Reminder Request • Menuitem Options
7-Password Reset • Menuentry Options	7-Password Reset • Menuitem Options

admin

B Anhang 2