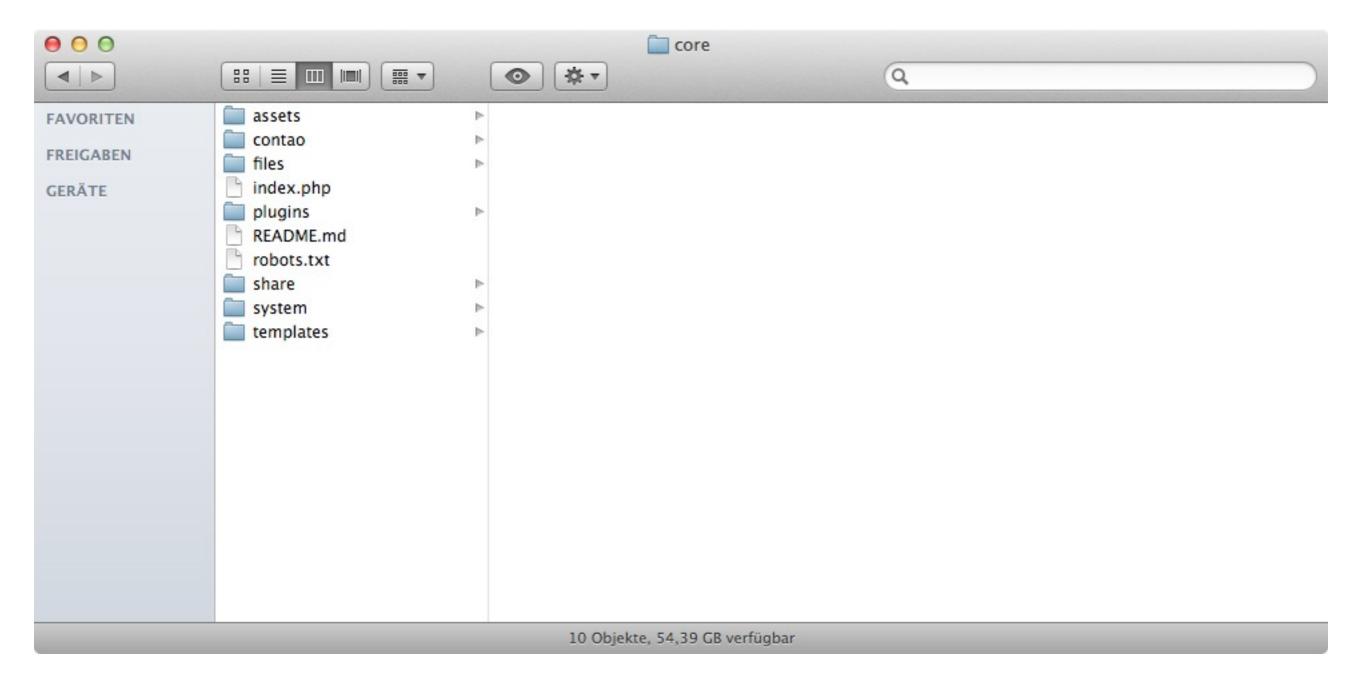


Contao 3

Keynote Contao Conference 2012



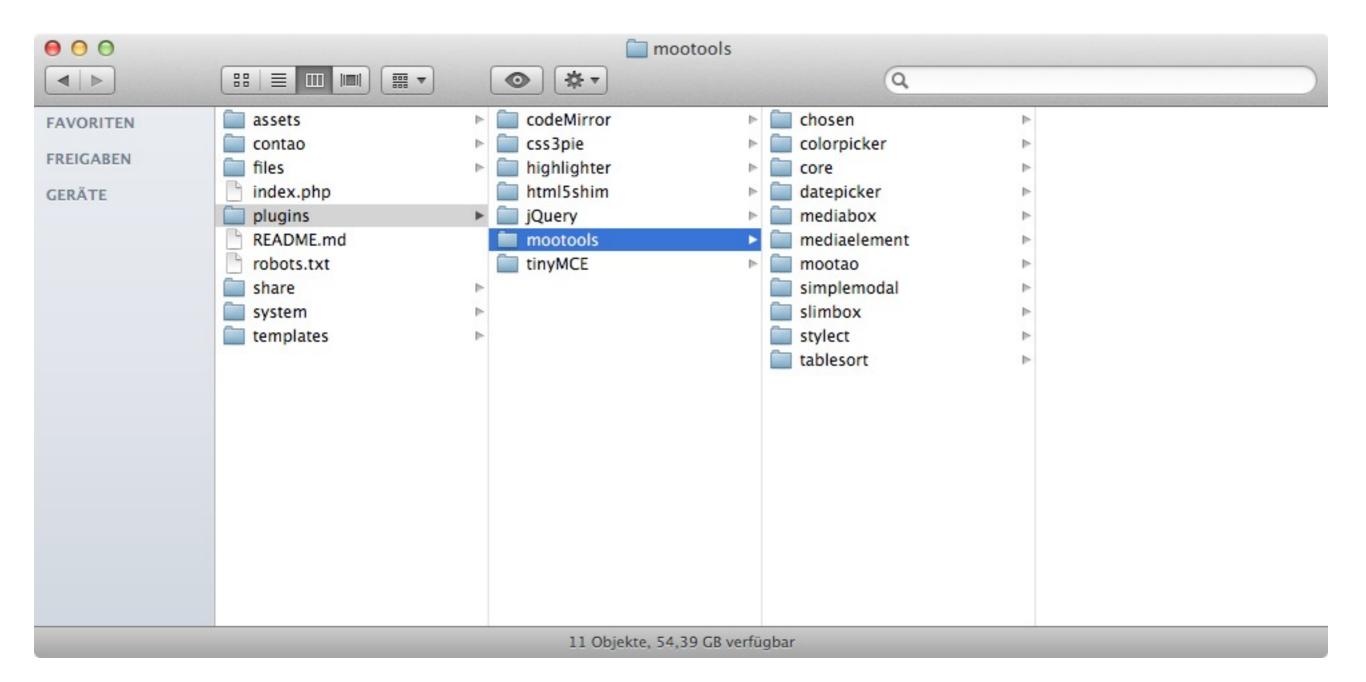
The root directory



Keynote Contao Conference 2012

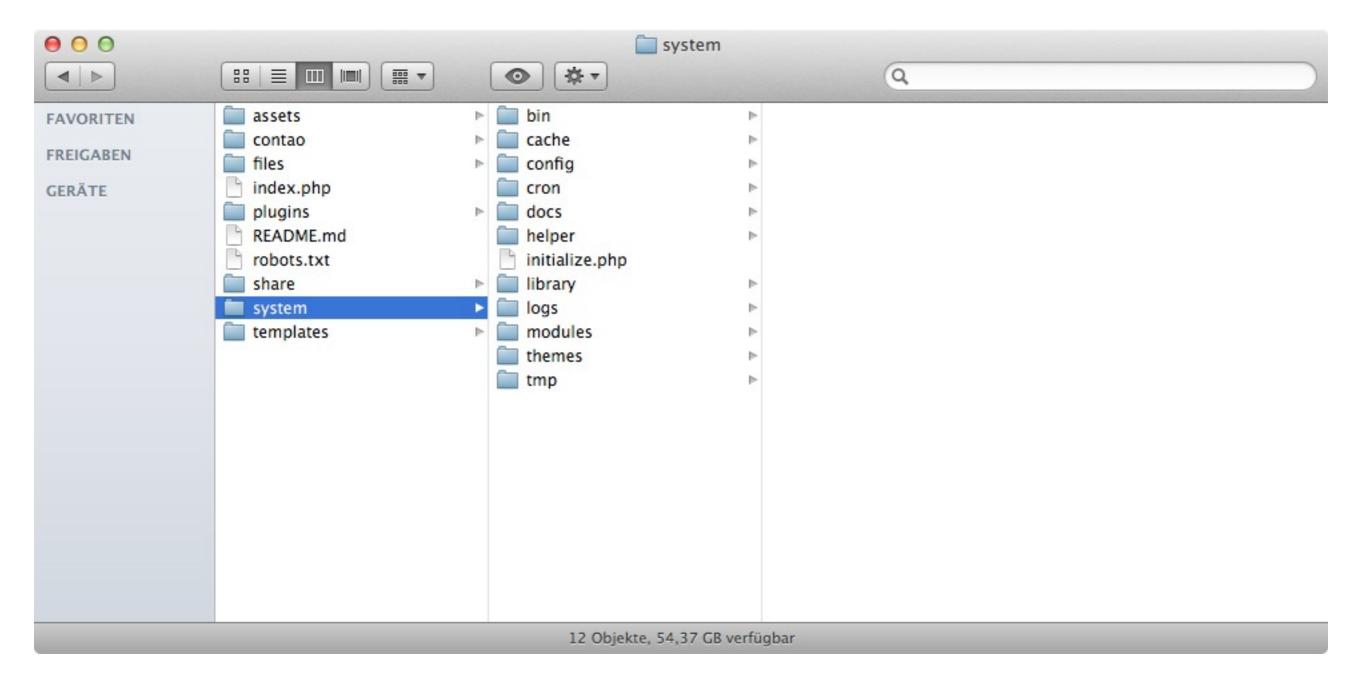


The plugins folder



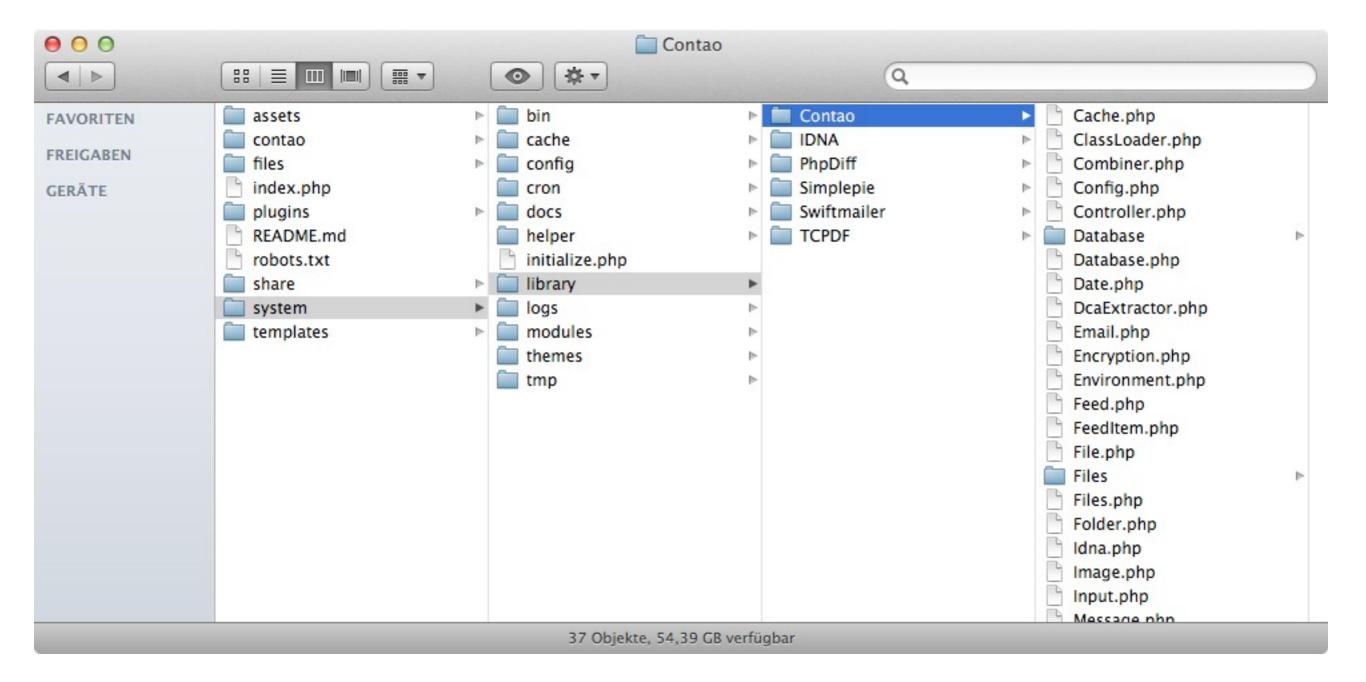


The system folder



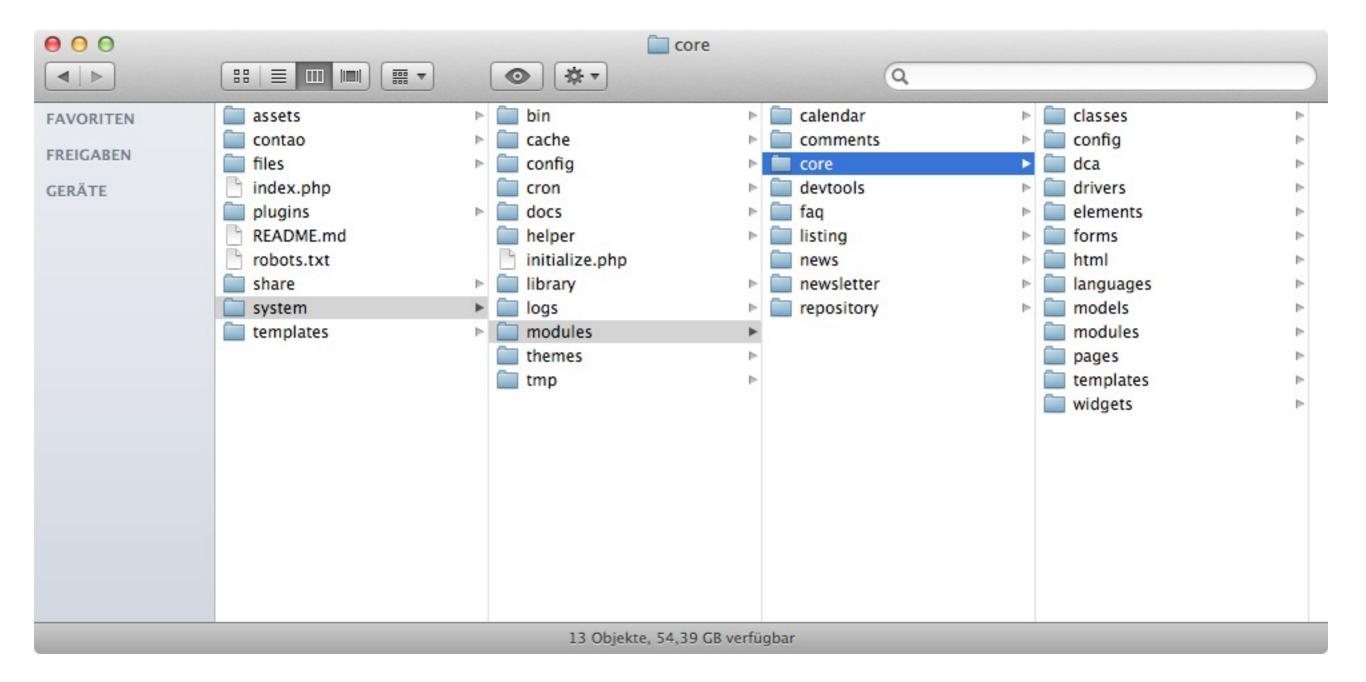


The Contao library





The core module



Features

Specifications of the team meeting 2012

Specifications of the team meeting 2012



Already implemented

- jQuery as alternative JavaScript framework in the front end
- Integration of an HTML5 video player into the core
- Better support for creating mobile websites
- Implementation of a database-assisted file system
- Improvement of the file meta data handling
- General usability improvements

Yet to be implemented

- Integration of a content slider into the core
- Notification of subsequent comments

Keynote Contao Conference 2012

jQuery

jQuery as alternative JavaScript framework in the front end

jQuery as alternative JavaScript framework in the front end

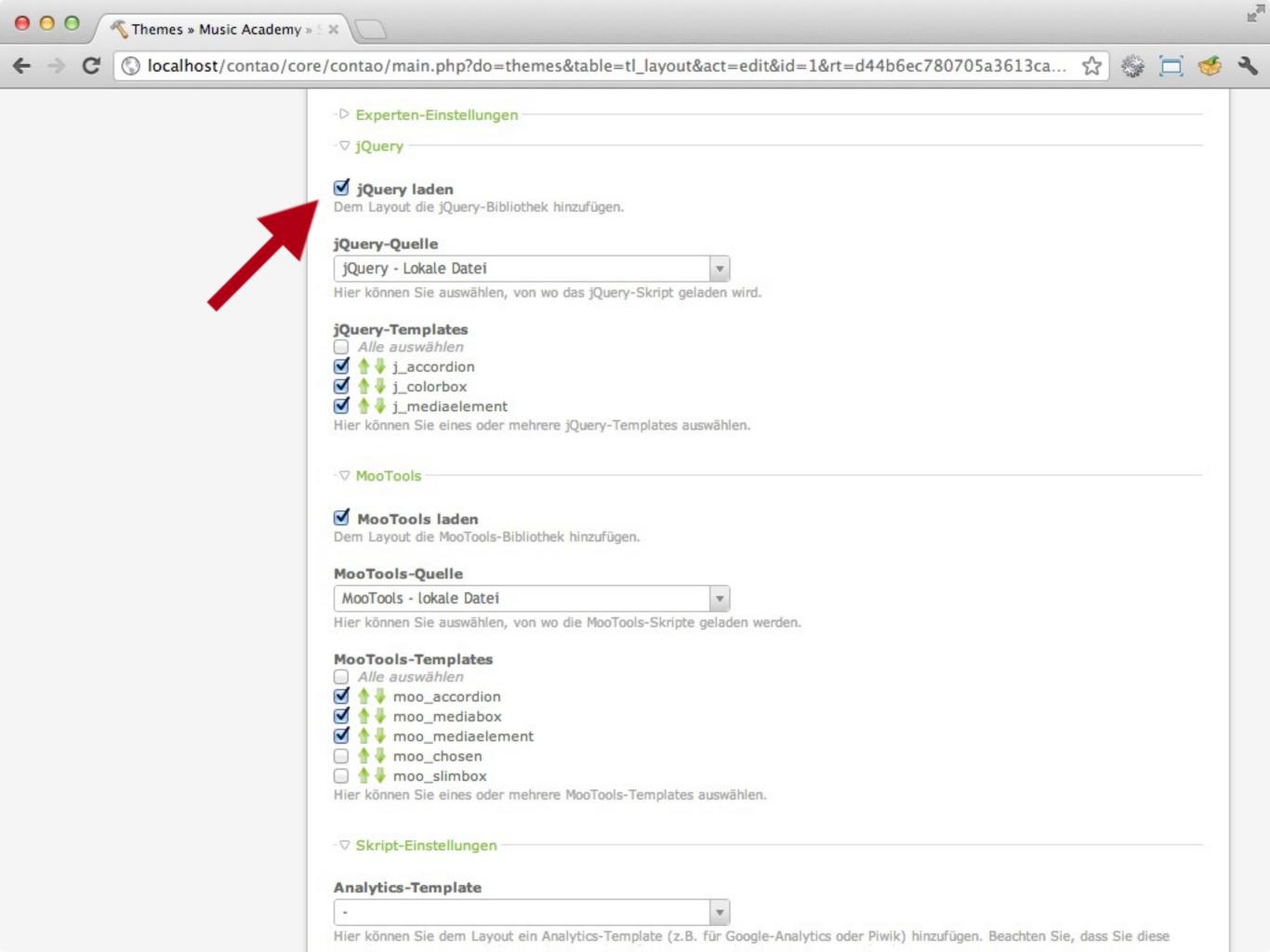


Specifications

- Usage alternative to or in combination with MooTools
- No conflicts with MooTools ("no conflict mode")
- Existing extensions must not be compromised
 - → The \$ function has to point to MooTools
- The core scripts have to be available for jQuery too
 - → Accordion, Mediabox and video player

Solution

- jQuery is always loaded first
- All core scripts are running in "no conflict mode" (MooTools too)
- Accordion taken from jQuery UI
- Colorbox used as Mediabox alternative



Video/Audio

Integration of an HTML5 video player into the core

Integration of an HTML5 video player into the core

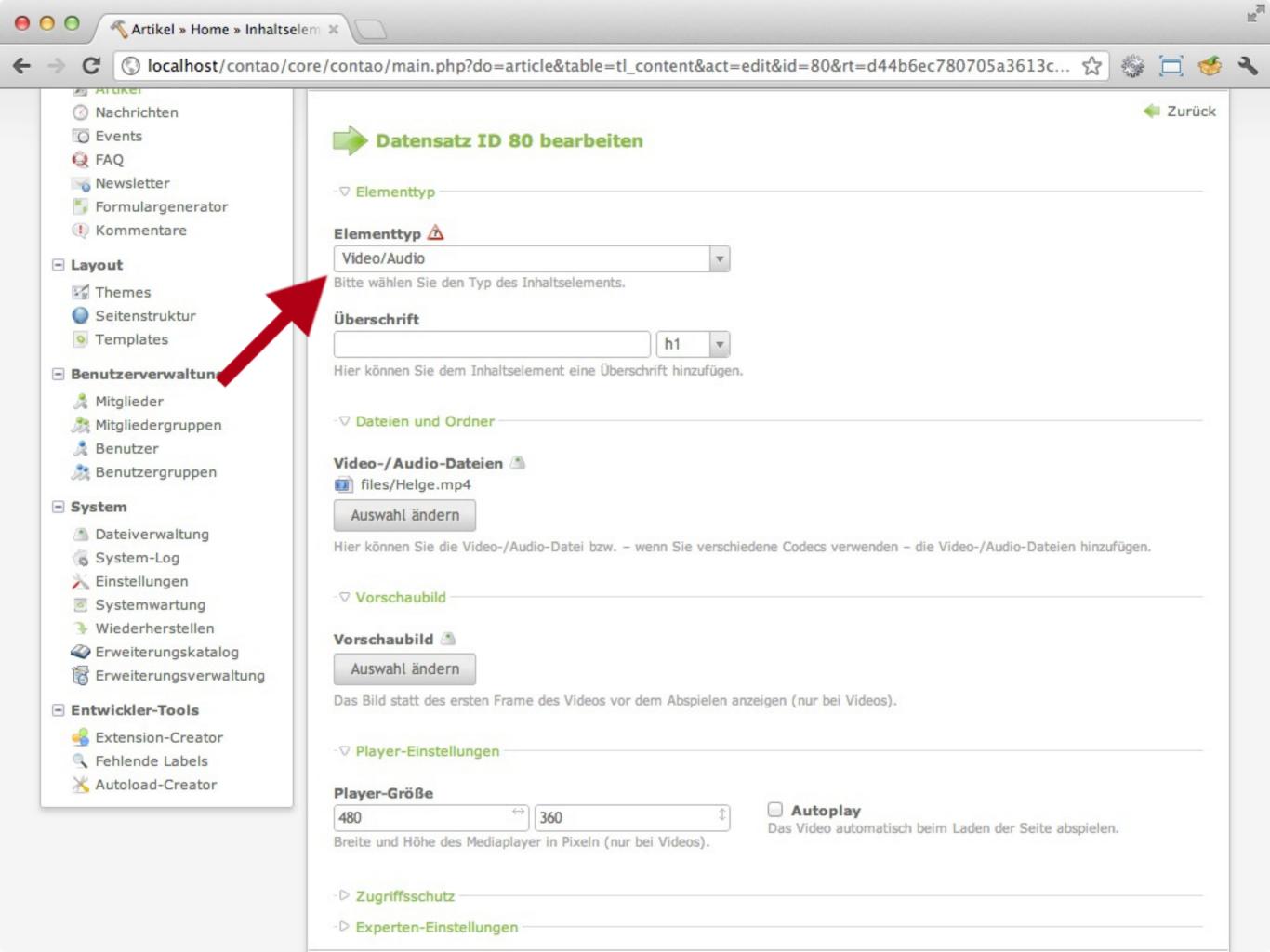


Specifications

- Support video as well as audio files
- Fallback solution for older browsers
- Has to work with both MooTools and jQuery

Solution

- mediaelement.js
- Native jQuery support
- An adapter class provides MooTools compatibility

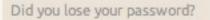


(localhost/contao/core/en/









lot of members (front end users) or a company website (intranet or internet) with a lot of back end users. Finally, I came up with a college website that has different back end users and front end users.

Breaking news

2010-02-04 09:30

Associate Professor James Wilson returns

Jazz pianist James Wilson returns to Music Academy to give lessons in traditional and contemporary Jazz Piano.

Read more ...

2010-01-28 08:15

Open days

Every Friday in February 2010 the gates of the Music Academy's campus will be thrown wide open to welcome everyone for a day filled with fun and interest.

Read more ...

The Music Academy example includes three back end users (employees) and two front end users (students). Each user has a different role. You can log in to their accounts and see how Contao looks from their perspective. Please note that academy employees (back end user) can only log in to the back end and students (front end user) can only log in to the front end. You are currently viewing the front end.



User accounts

1. Kevin Jones

Username: k.jones Password: kevinjones

Role: back end user and administrator

- 2. Helen Lewis
- 3. James Wilson
- 4. John Smith
- 5. Donna Evans

Mobile Web

Better support for creating mobile websites

Better support for creating mobile websites



Specifications

- Mobile sites usually have a different layout
- Mobile sites usually have different or less front end modules
- Mobile sites required images and videos in different dimensions

Already possible in Contao 2

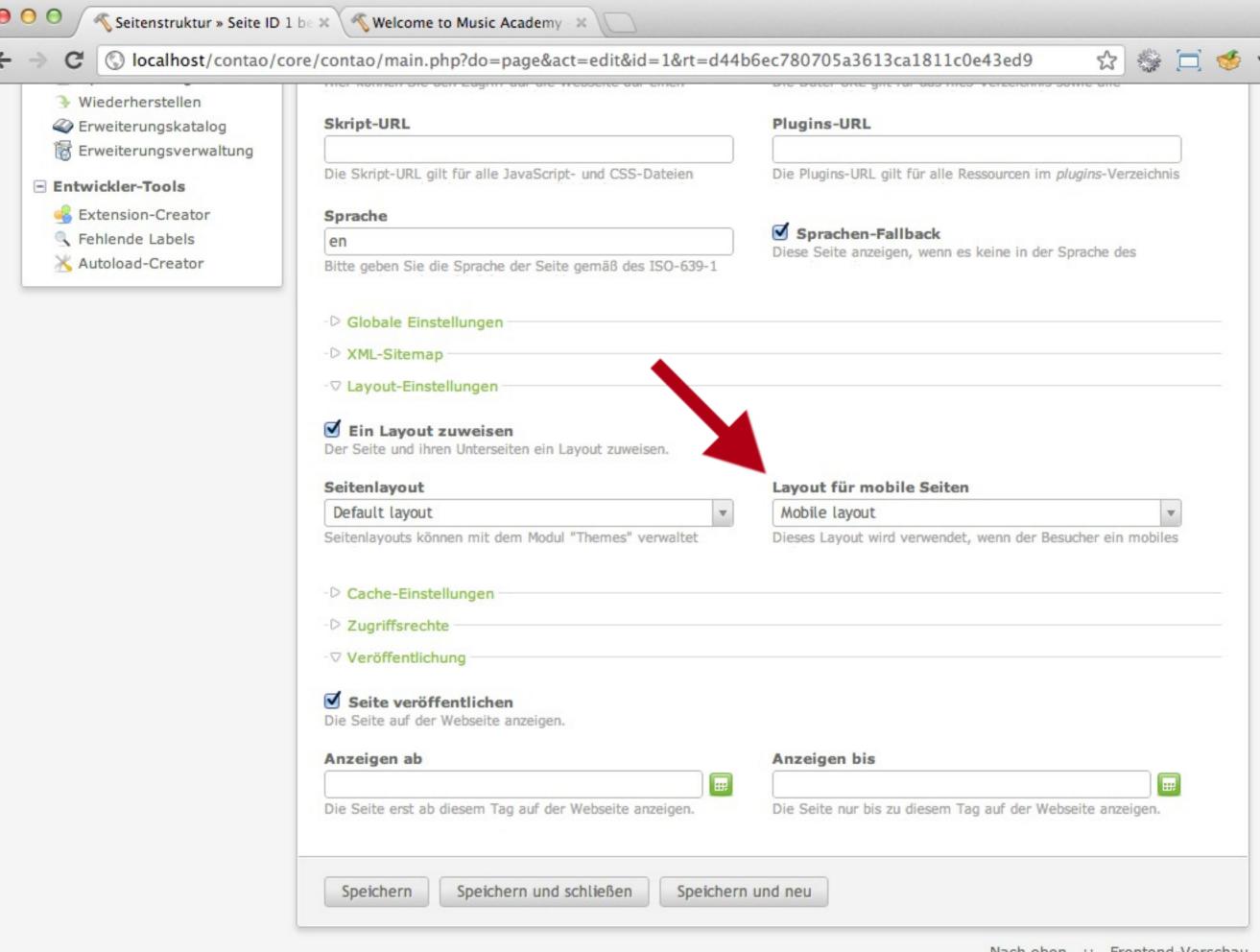
- Media queries in the style sheet editor for different resolutions
- Different website root pages with different page layouts

New in Contao 3

- Separate page layout for mobile devices in the same root page
- The Meta Viewport tag is added automatically in mobile layouts

Not yet implemented

Adaptive images or separate image dimensions for mobile sites



File system

Implementation of a database-assisted file system

Implementation of a database assisted file system



Specifications

- When moving files or folders in the file manager, the links in the content element and front end modules shall be preserved
- The meta data shall be stored in the database instead of a separate meta.txt file

Database-assisted file system

- Every file has a corresponding database entry
- In the content elements and modules, only the ID is stored
- · When the element is rendered, the ID is used to find the file path
- If the file path changes, only the database entry has to be updated

Implementation of a database assisted file system

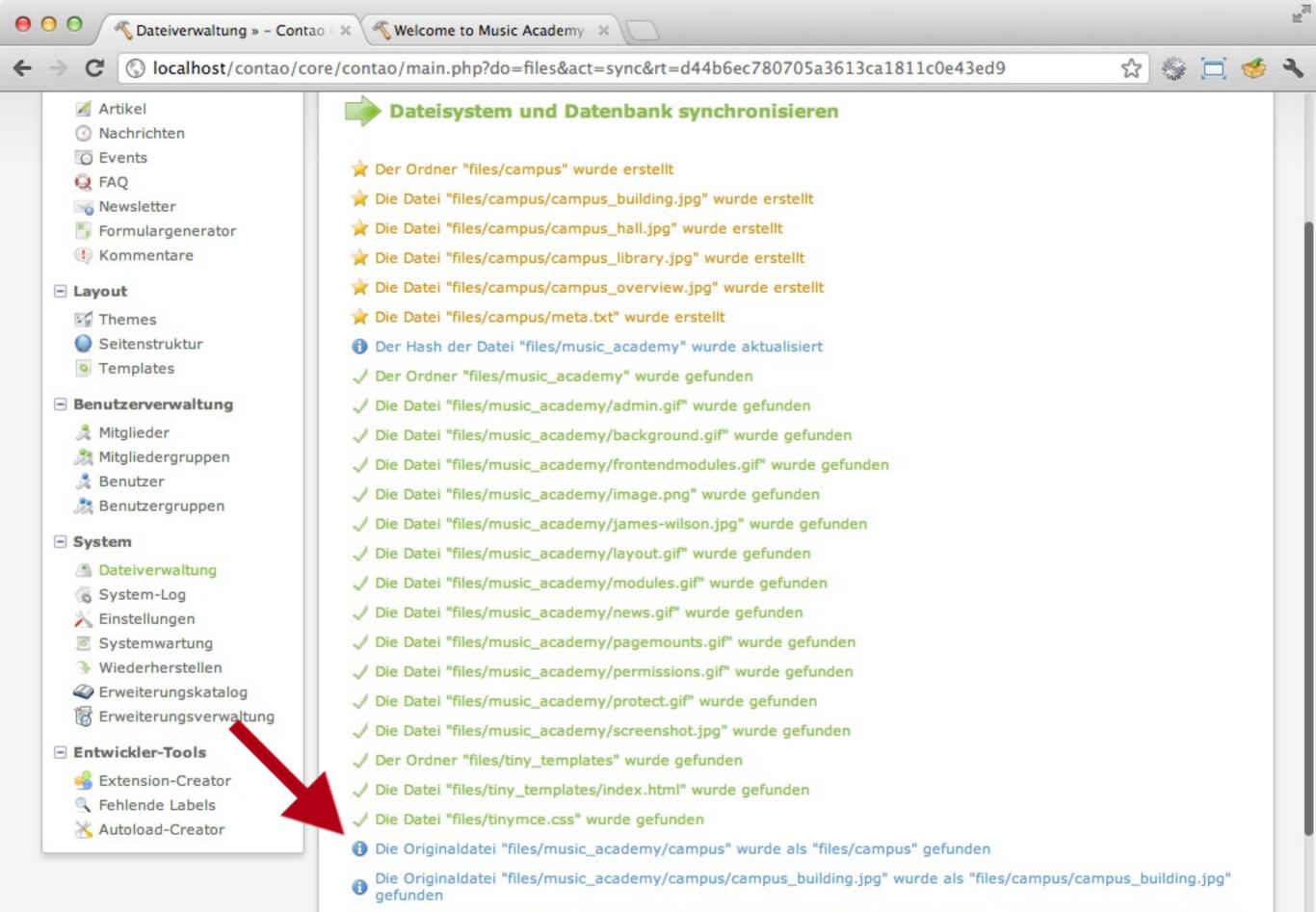


File operations in Contao

 The Contao file manager updates the database automatically when files or folders are uploaded, moved, duplicated or renamed

File operations via FTP

- It is required to synchronize the file system with the database, so the new and changed files and folders are stored in the database
- During synchronization, Contao is able to find moved files by their MD5 hash
- As long as the content of a folder does not change, this also works with folders



aefunden

Die Originaldatei "files/music_academy/campus/campus_hall.jpg" wurde als "files/campus/campus_hall.jpg" gefunden

Die Originaldatei "files/music_academy/campus/campus_library.jpg" wurde als "files/campus/campus_library.jpg"

Meta data

Improvement of the file meta data handling

Improvement of the file meta data handling

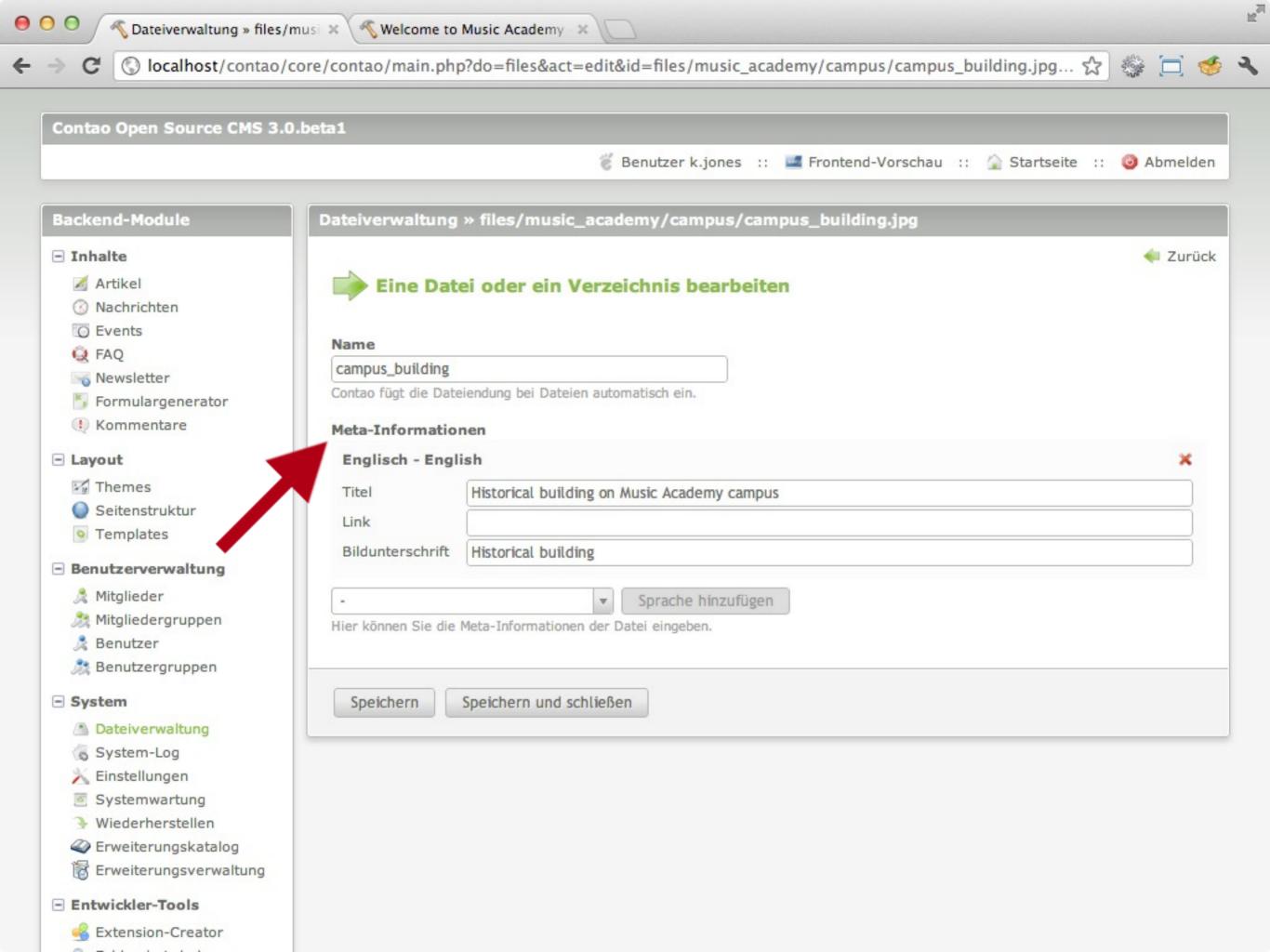


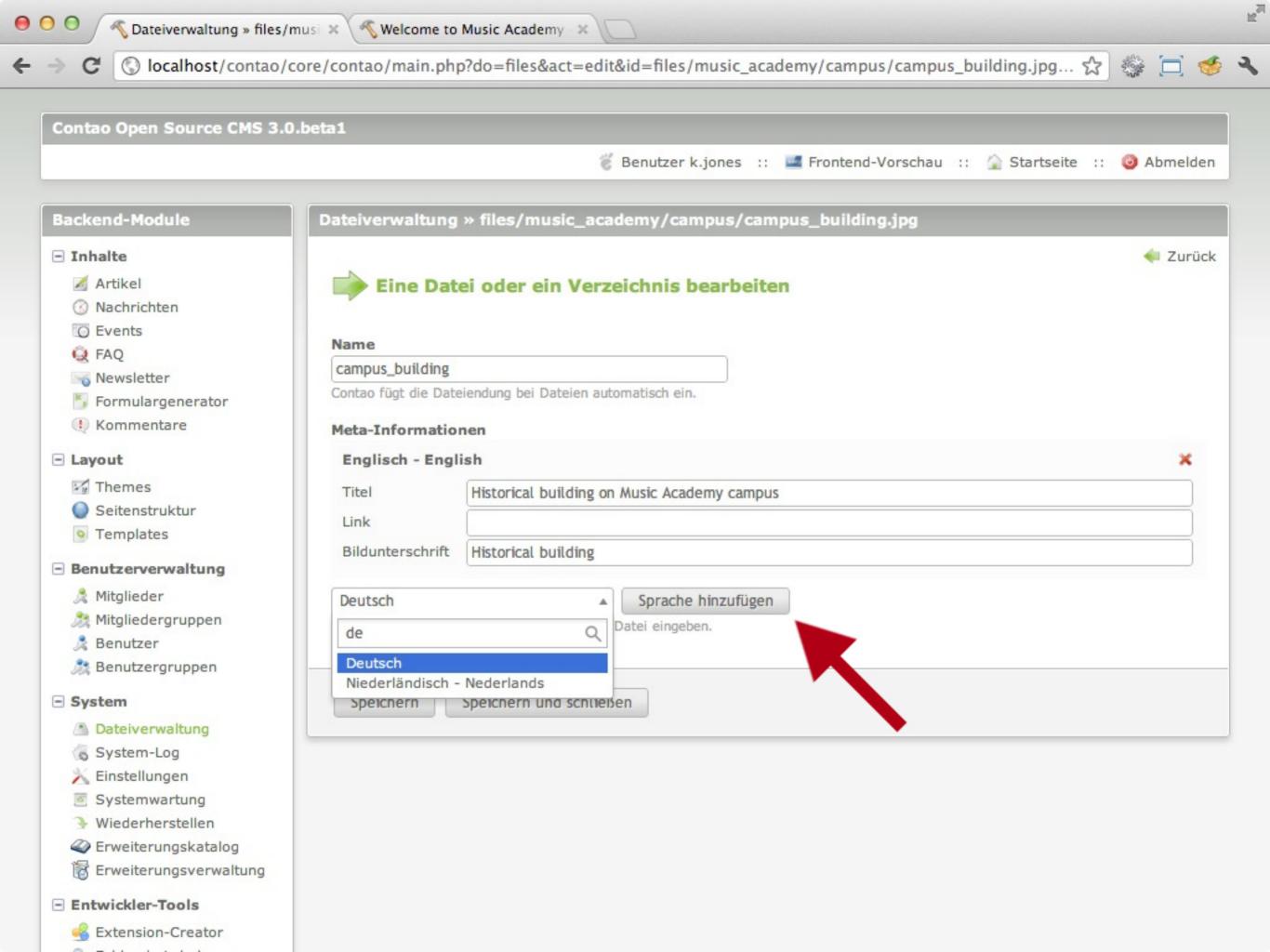
Specifications

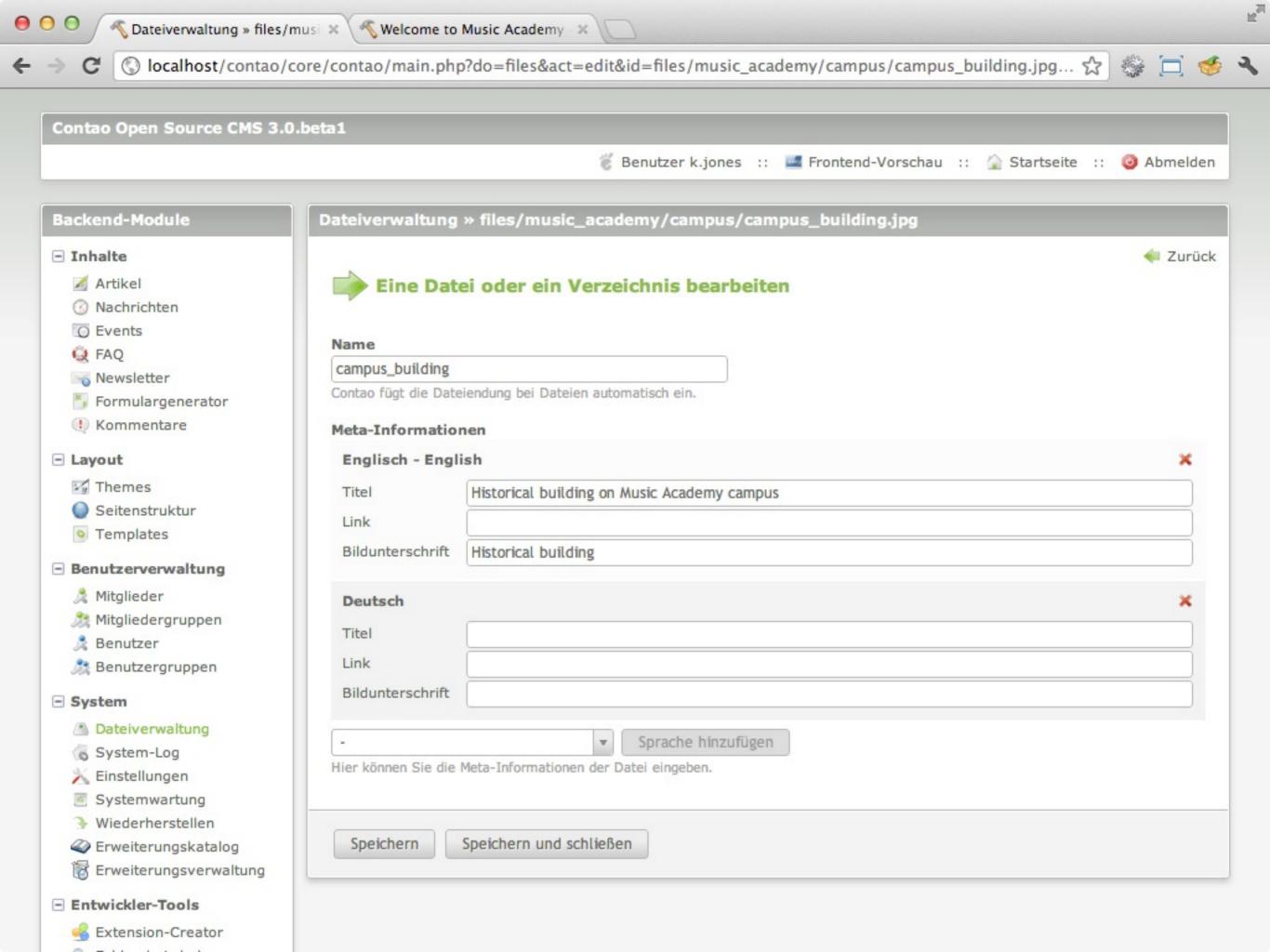
Replacement of the meta.txt files with a better solutions

Solution

- Each file has a corresponding database entry already
- A field to store the meta data has been added to the table
- The meta data widget supports Ajax







Improvement of the file meta data handling



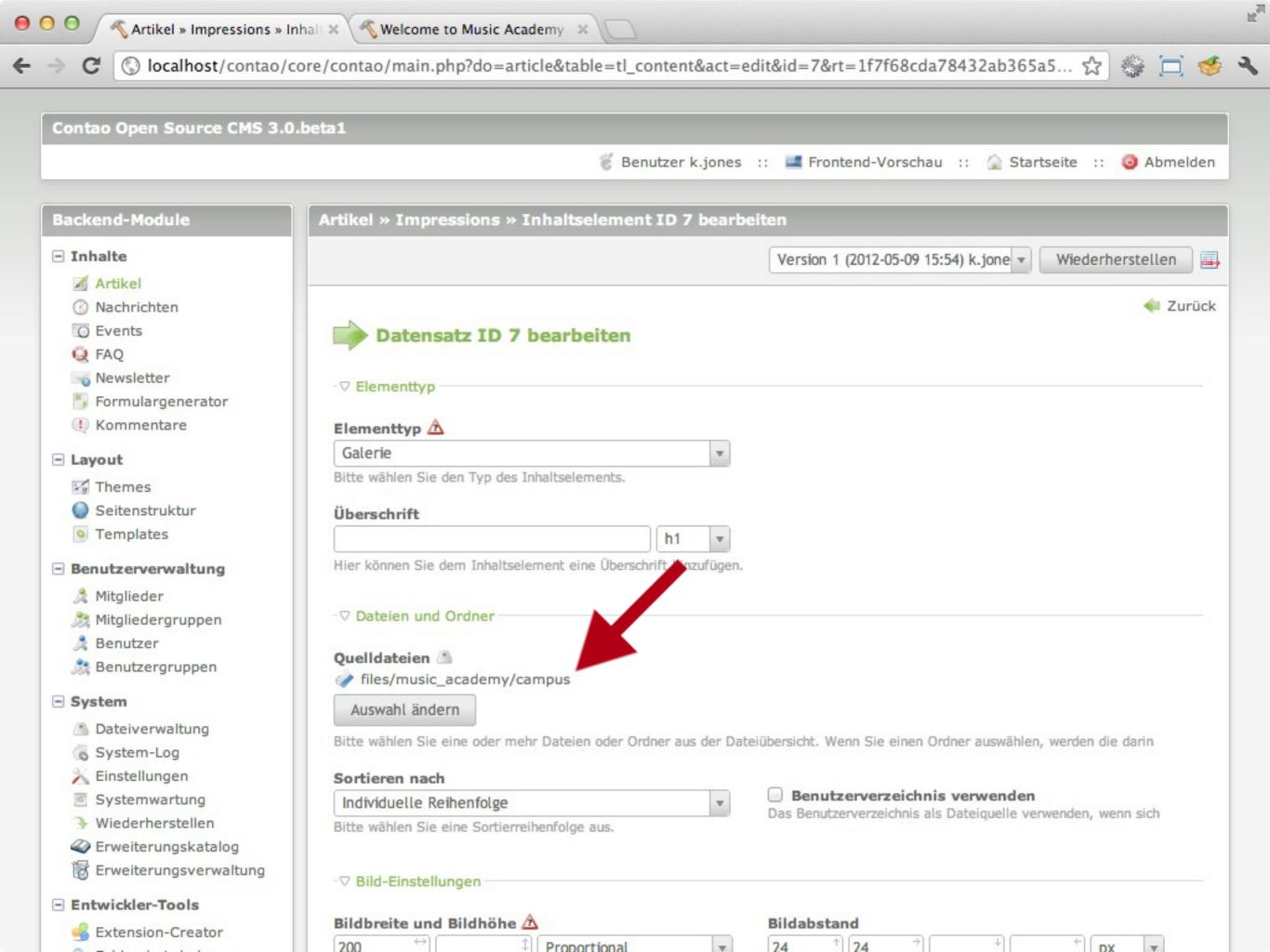
Problem

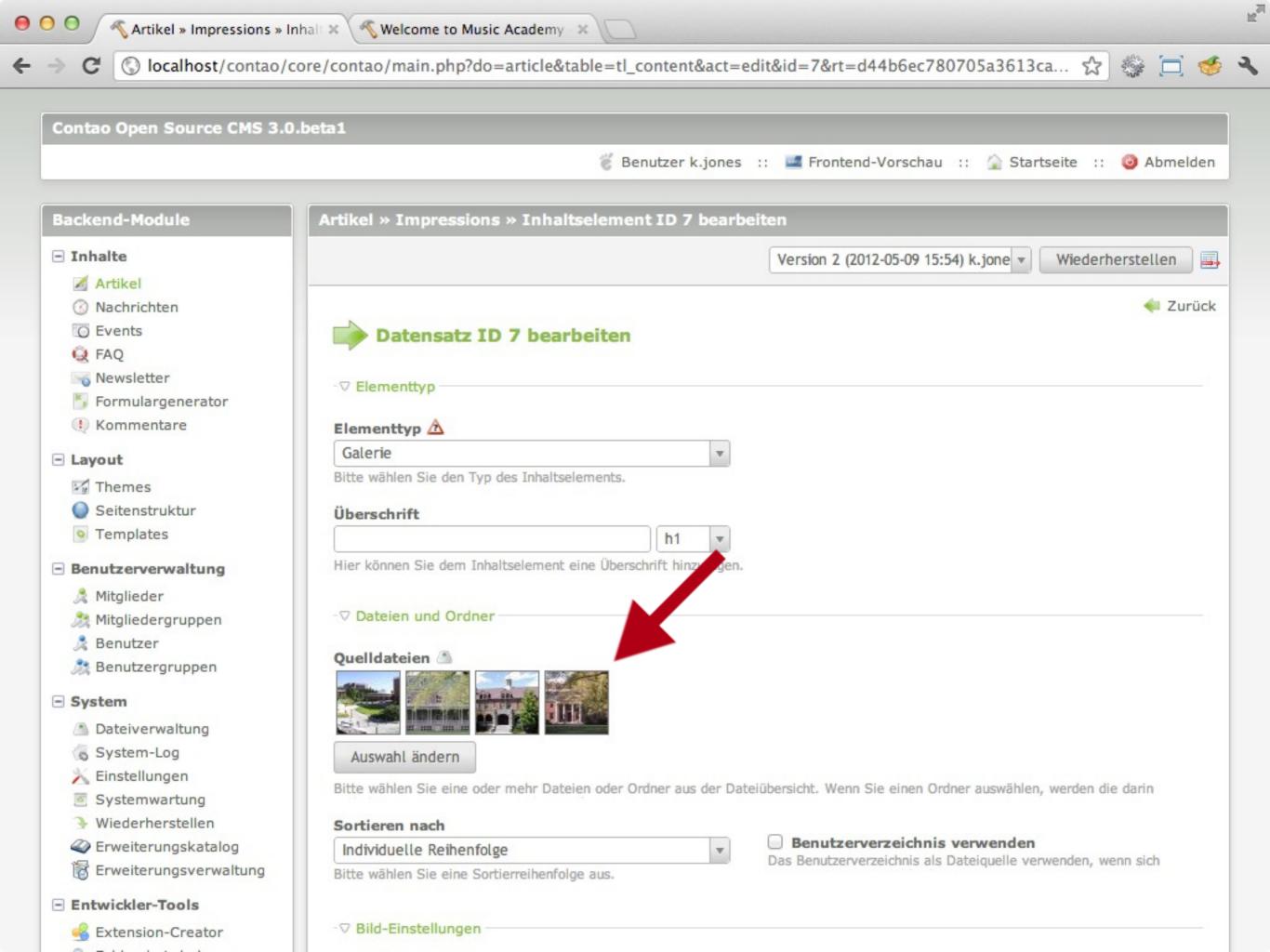
- It was possible to set up an individual sorting order in the meta.txt files
- This feature shall be preserved

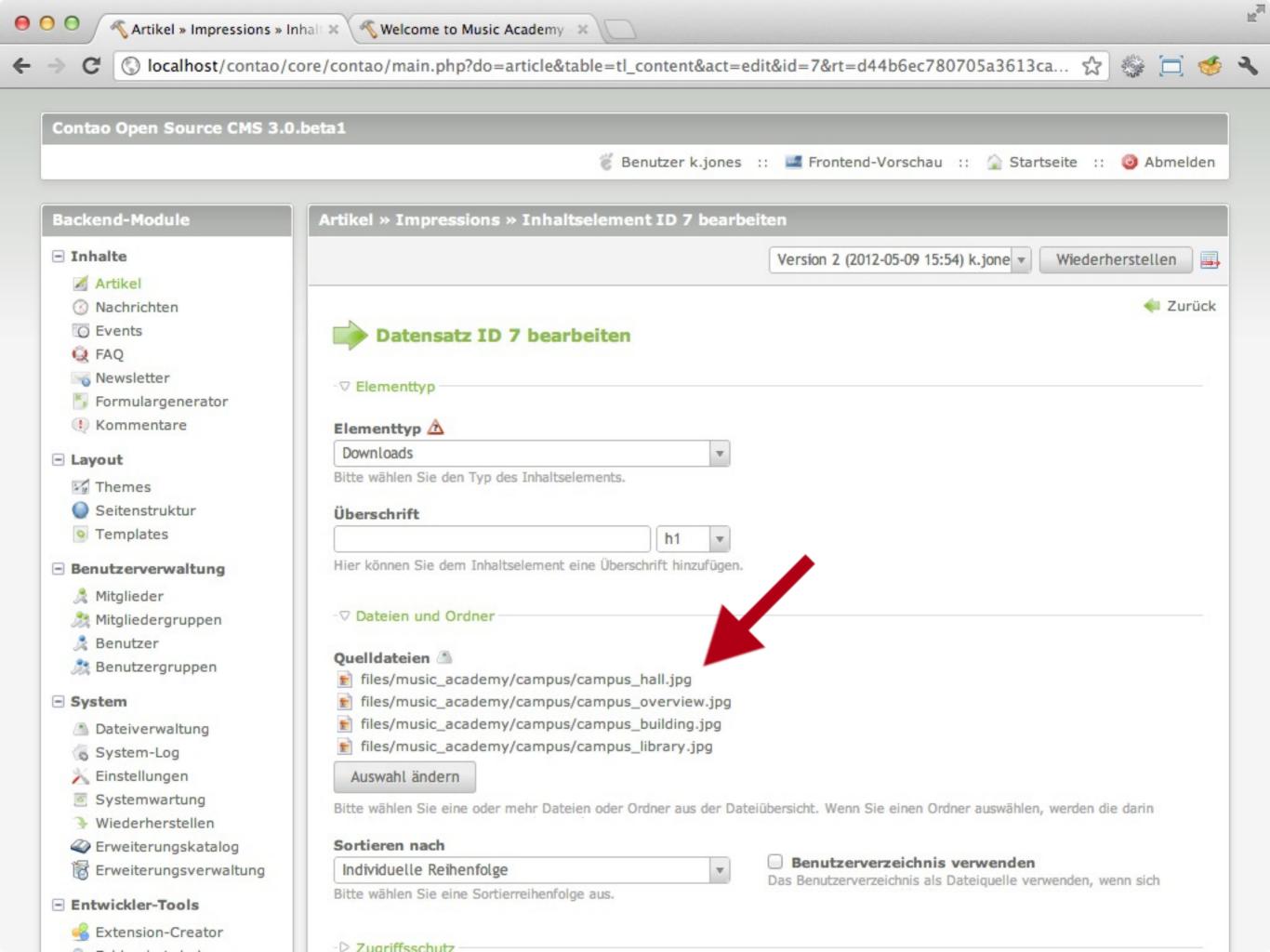
Solution

- After choosing the files or folders, their content is displayed
- If the element is an image gallery, the thumbnails of the images are shown, otherwise the file names with their mime icon

The thumbnails or files can be sorted via drag&drop



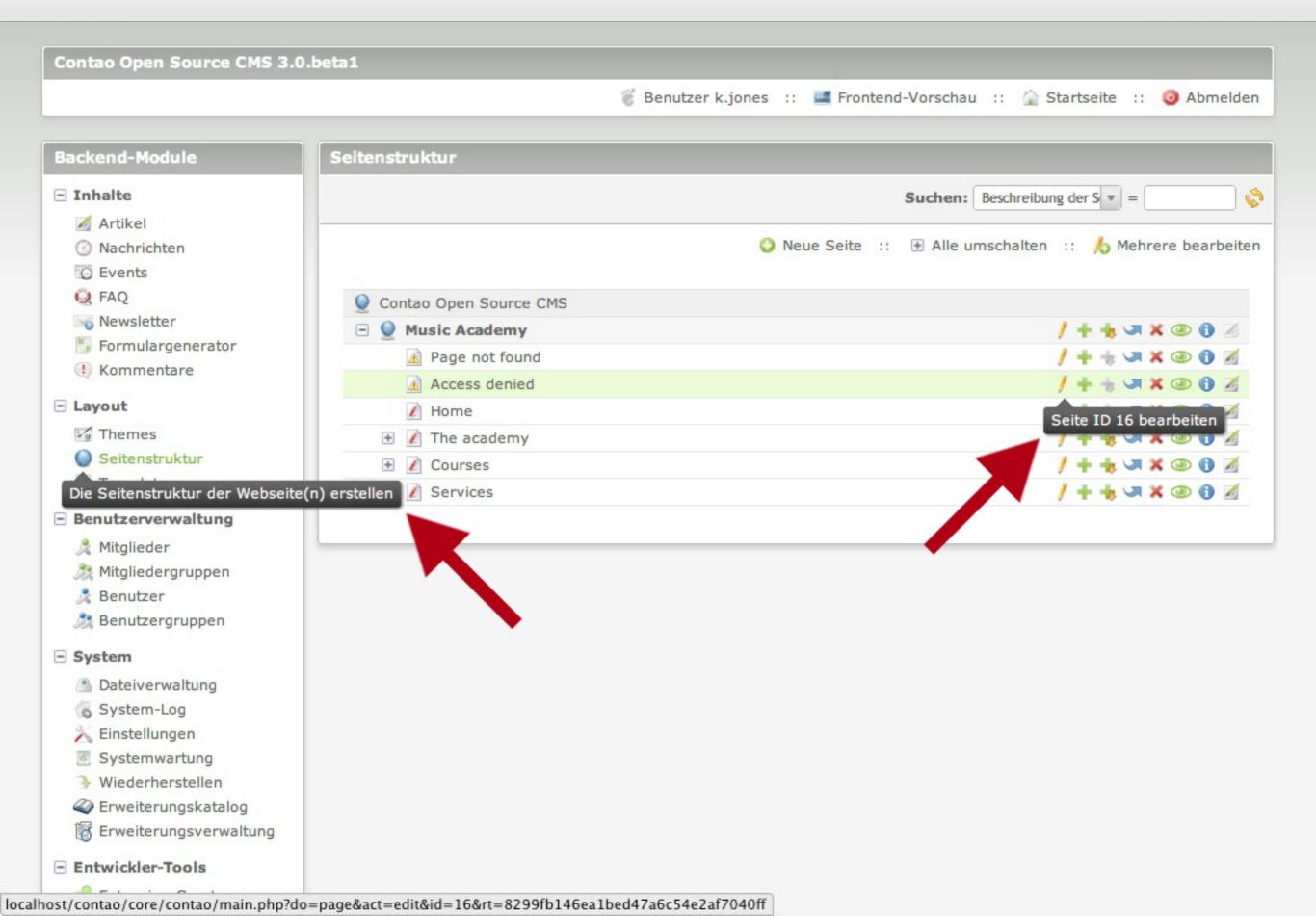




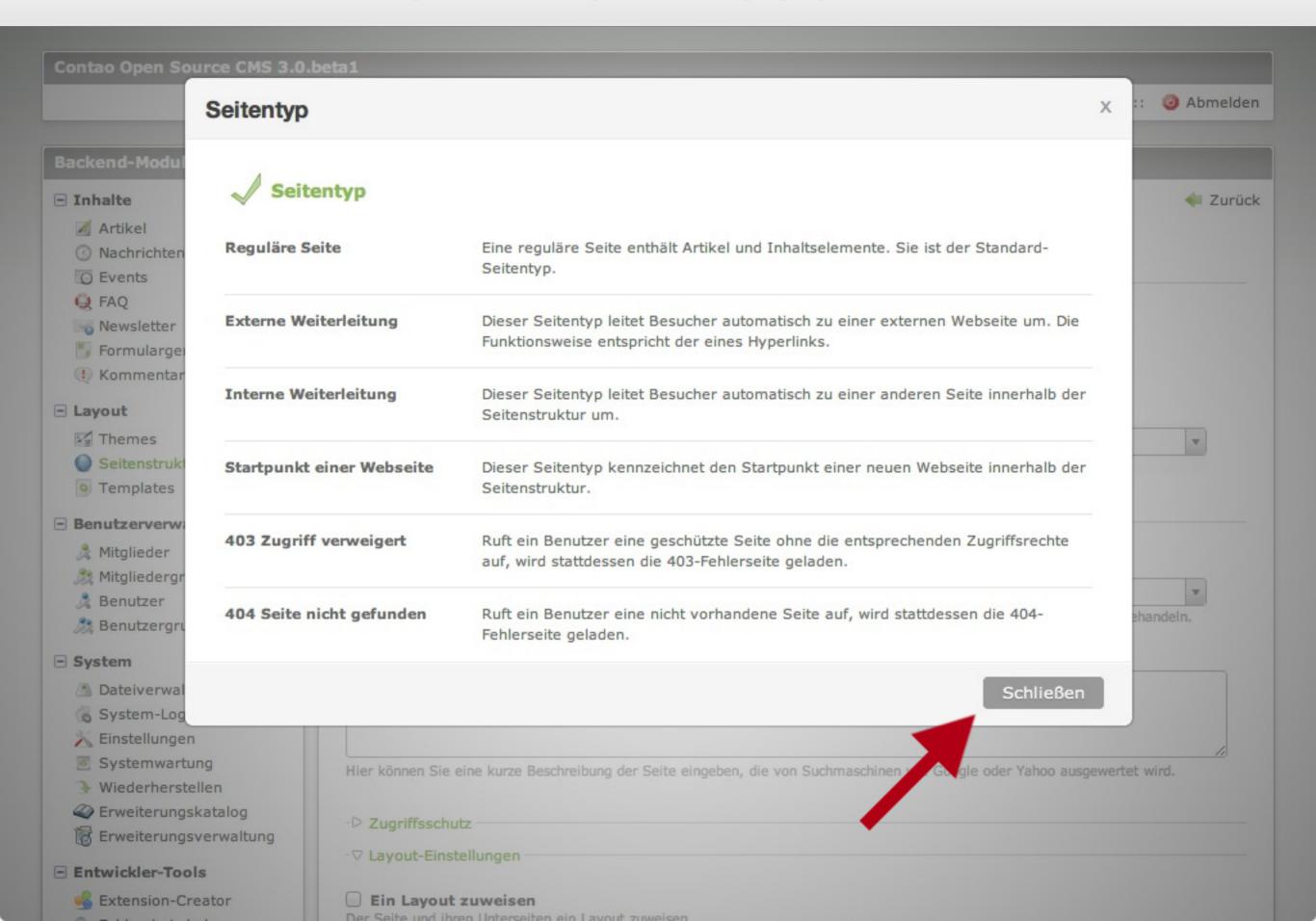
Usability

General usability improvements

Consistent tool tips in the back end



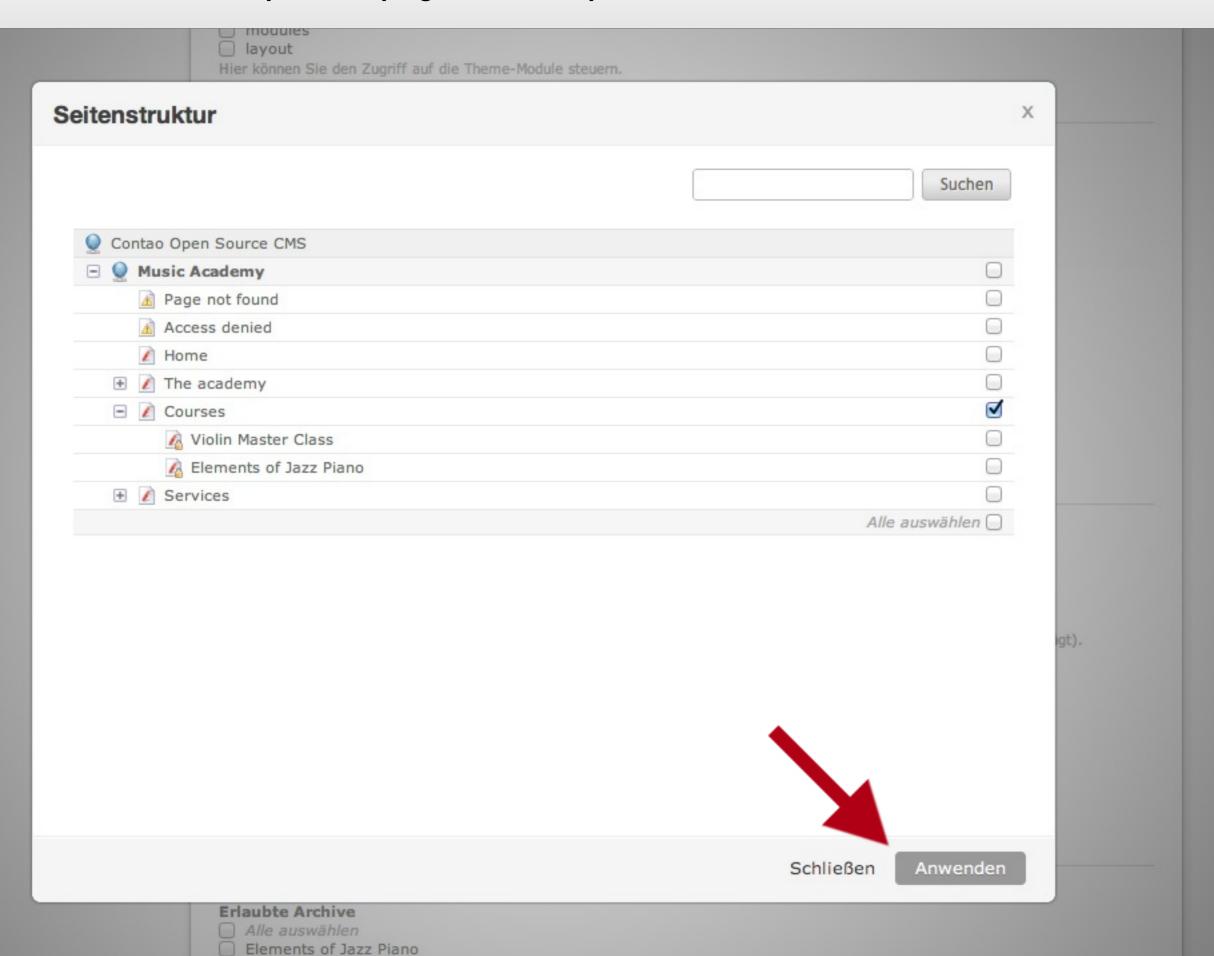
SimpleModal replaces all popup windows



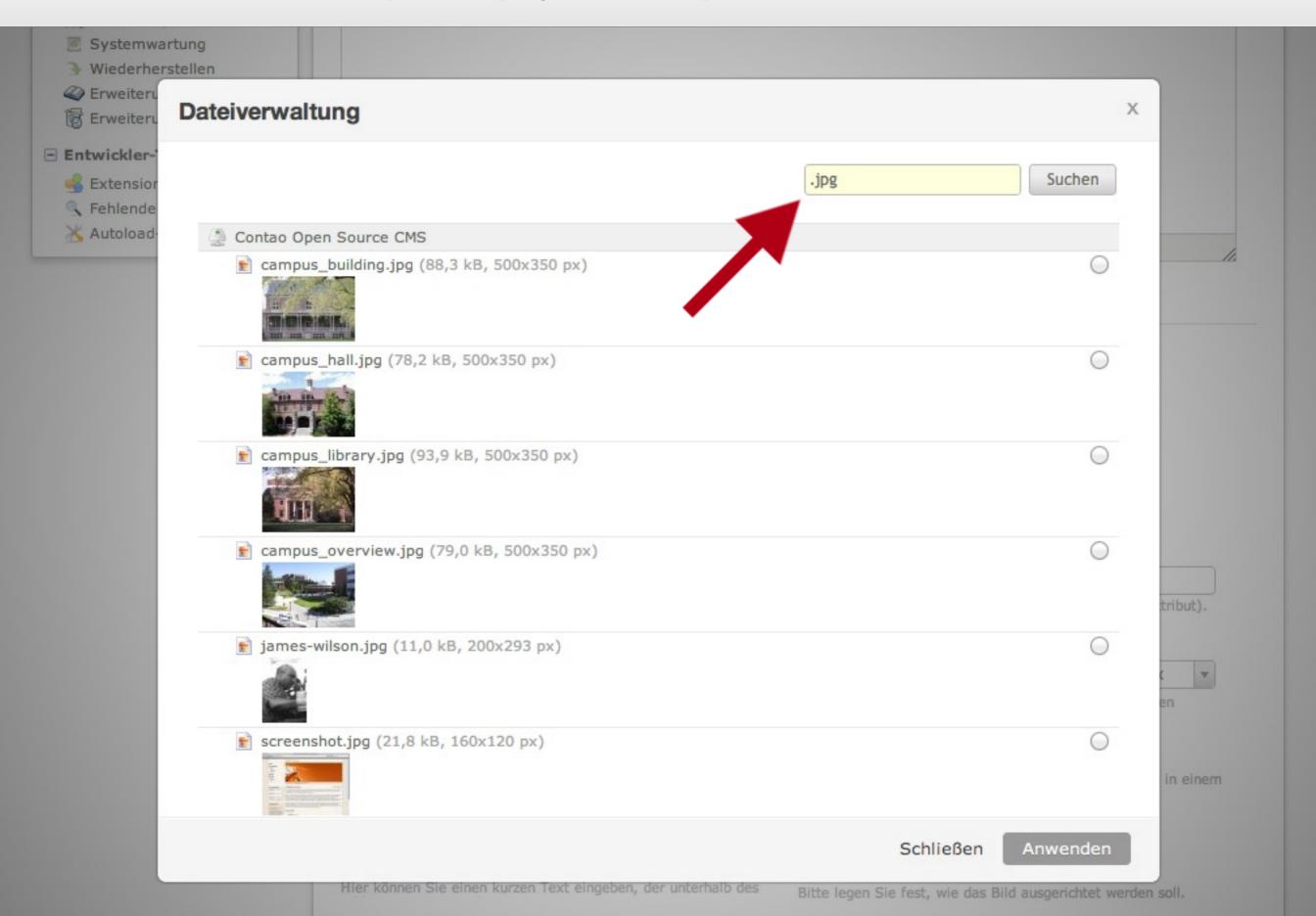
Improved page and file picker with search

Alle auswählen	
css modules	
layout	
	rugriff auf die Theme-Module steuern.
nier konnen Sie den z	ugnit auf die meme-module stedem.
▽ Pagemounts —	
Pagemounts	
Courses (course	s.html)
Auswahl ändern	
Hier können Sie den 2	ugriff auf eine oder mehrere Seiten erlauben (Unterseiten werden automatisch hinzugefügt).
Erlaubte Seitenty	en 🛕
Alle auswählen	
Reguläre Seite	
Interne Weiterle	T T
Externe Weiterle	T
Startpunkt einer403 Zugriff verv	
404 Seite nicht	
	laubten Seitentypen festlegen.
THE KOMMEN DIE GIE E	idubten Sertentypen restregen.
▽ Filemounts	
Filemounts 🛎	
files/music_aca	demy/campus
Auswahl ändern	
	ugriff auf ein oder mehrere Verzeichnisse erlauben (Unterverzeichnisse werden automatisch hinzugefügt).
The Romen ore den a	agini dai eni odei memere verzetamisse endasen (onterverzetamisse verden datomatisan mizagerage).
Erlaubte Datei-Op	erationen
Alle auswählen	
	Server hochladen
	zeichnisse bearbeiten, kopieren und verschieben
_	und leere Verzeichnisse löschen
_	klusive aller Dateien und Unterordner löschen (!) texteditor bearbeiten
_	laubten Datei-Operationen festlegen.
nier konnen sie die e	laubten Dater-Operationen restiegen.
▽ Nachrichten-Rec	N+C

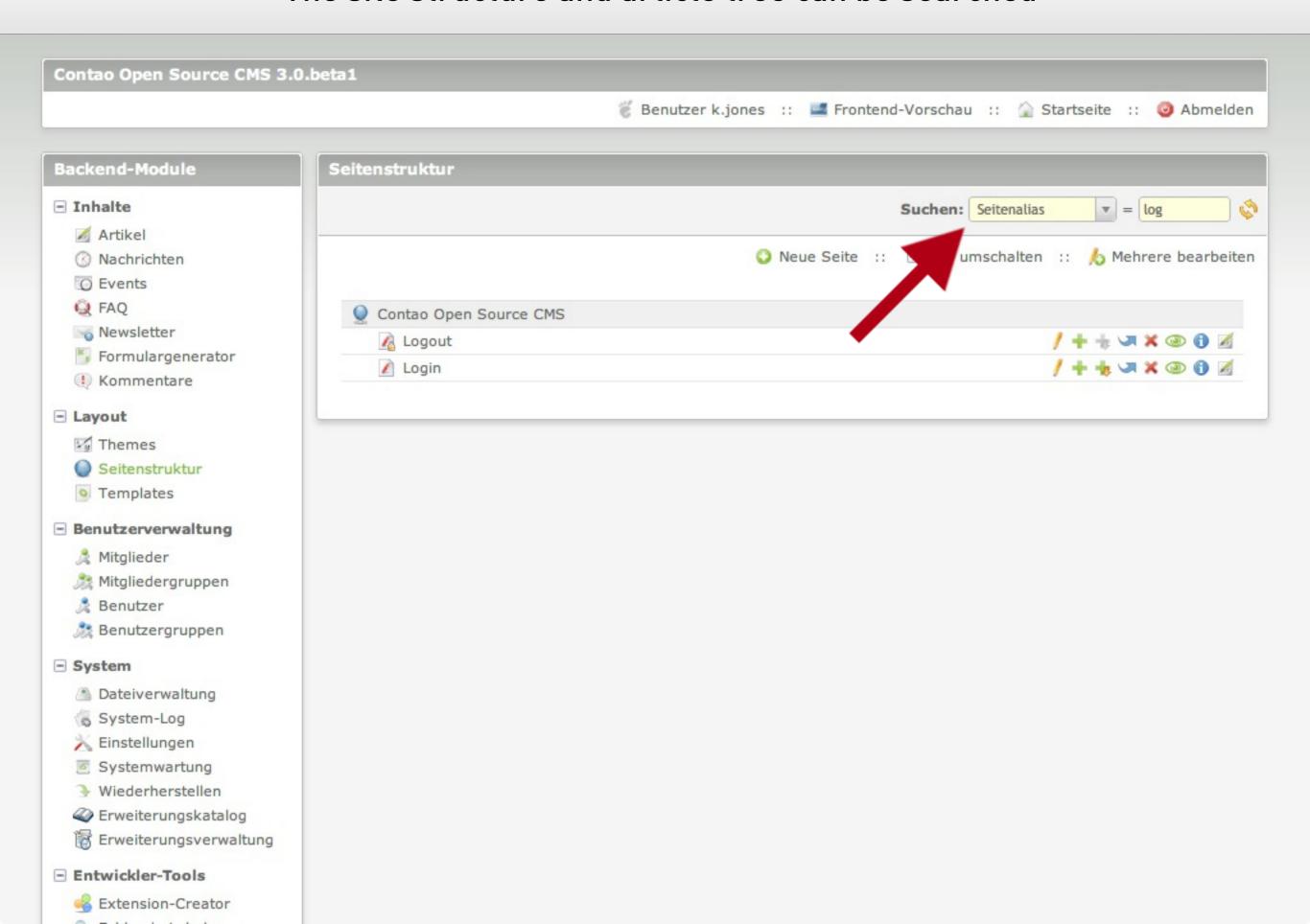
Improved page and file picker with search



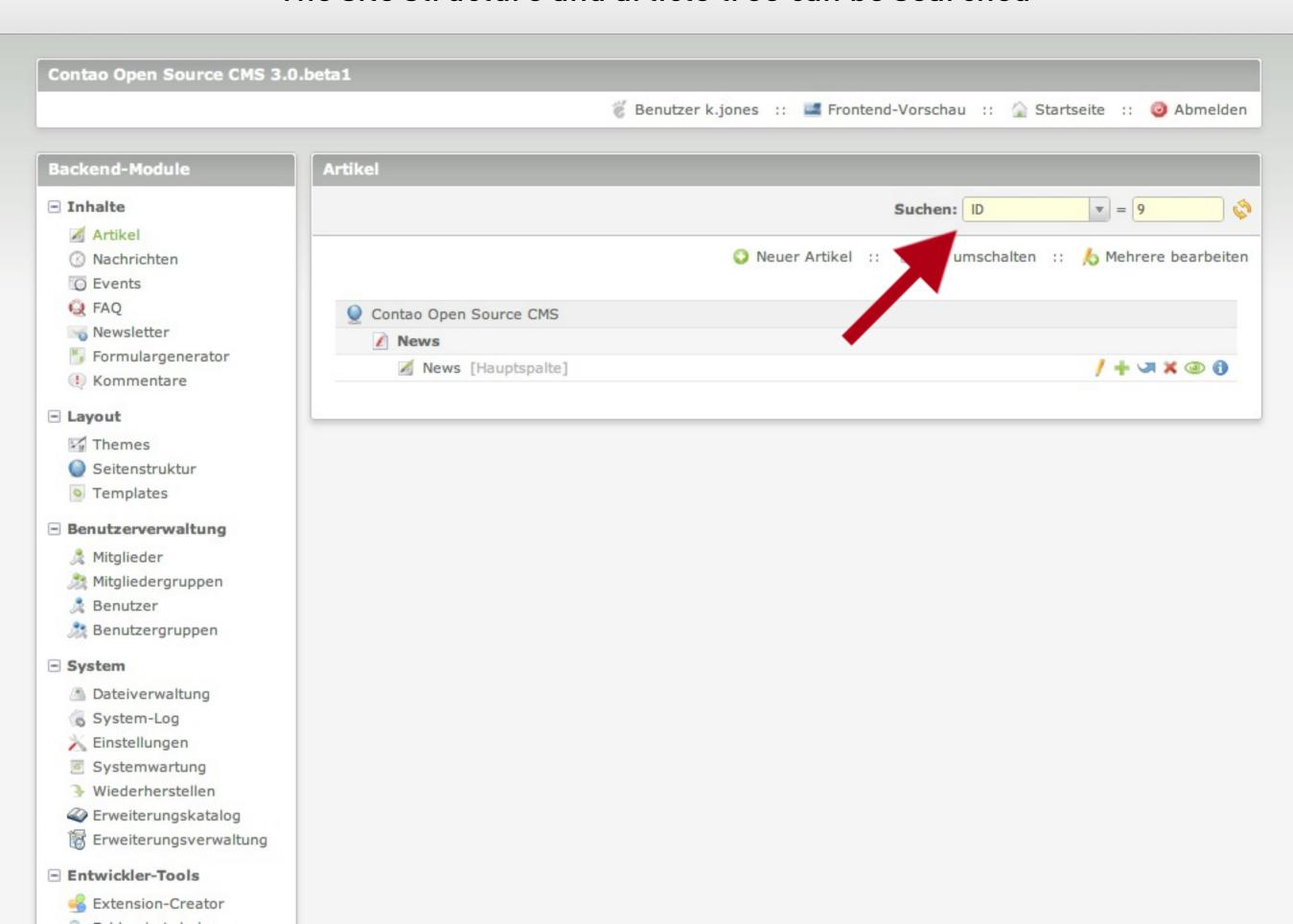
Improved page and file picker with search



The site structure and article tree can be searched

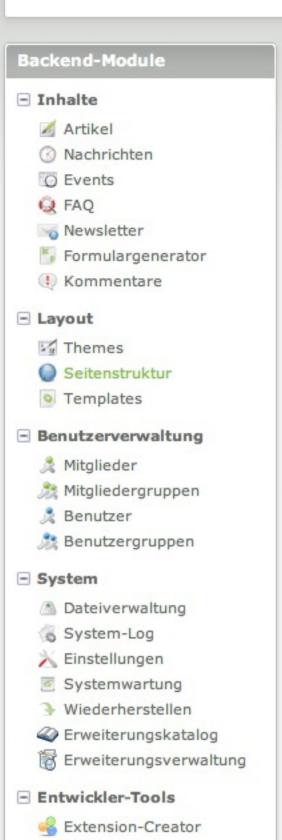


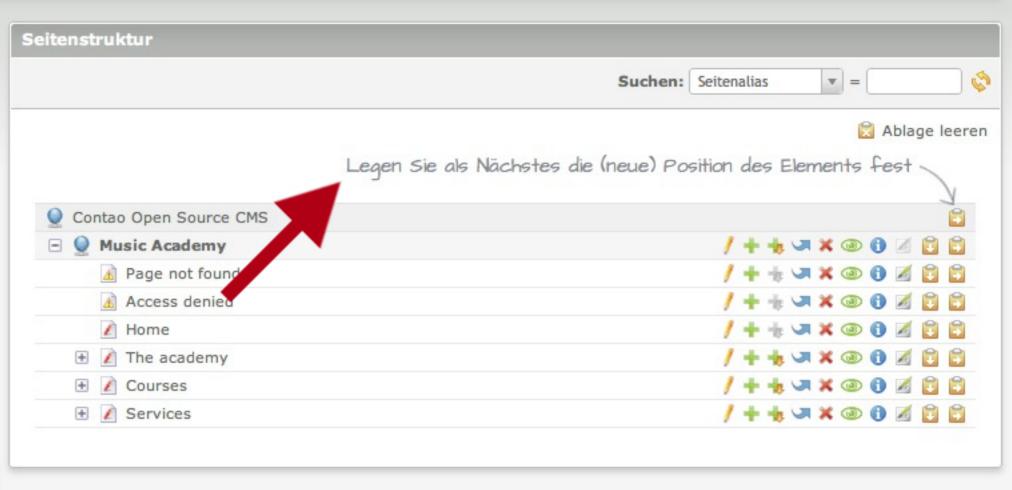
The site structure and article tree can be searched



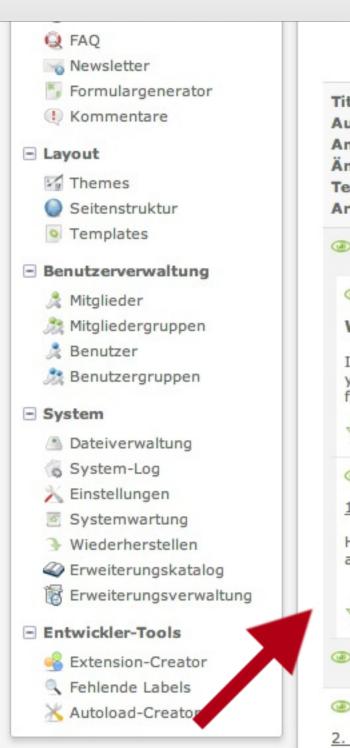
Hint when pasting elements

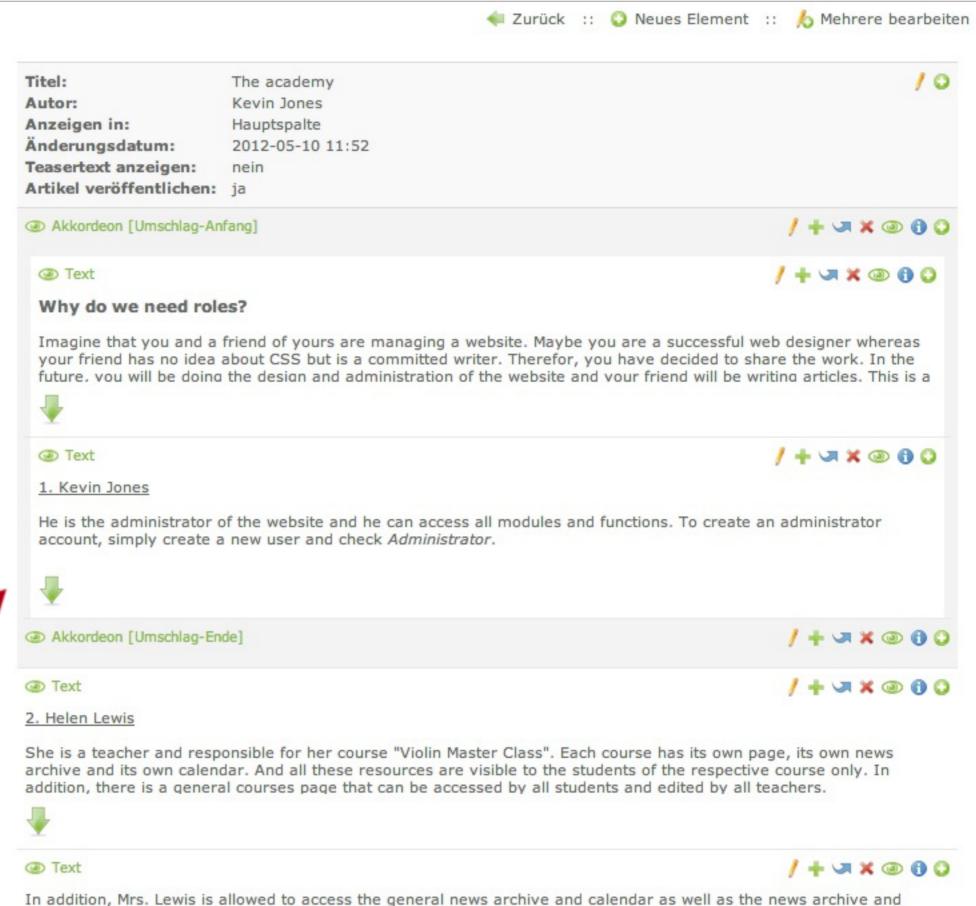






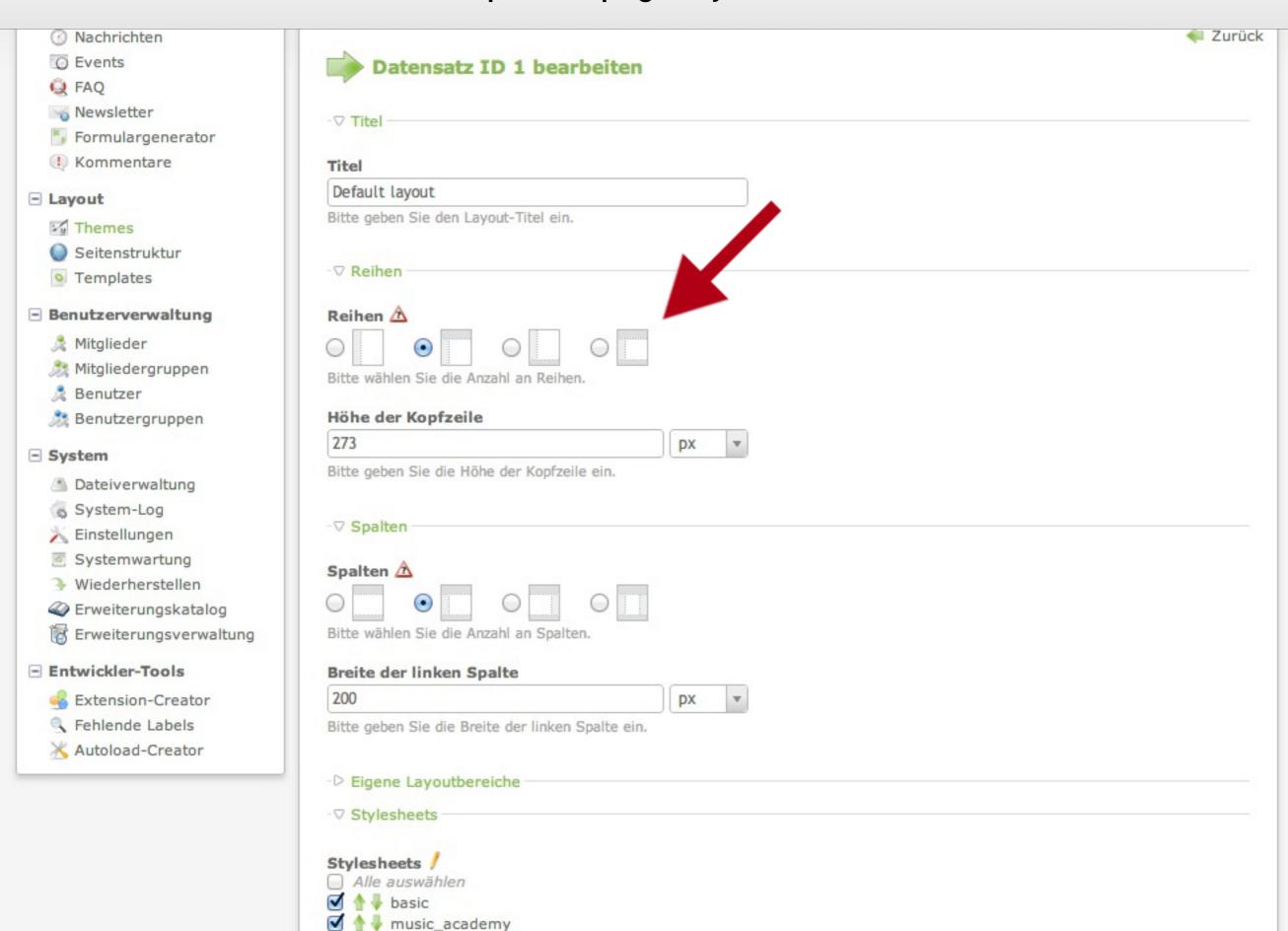
Better display of the accordion wrappers in the back end



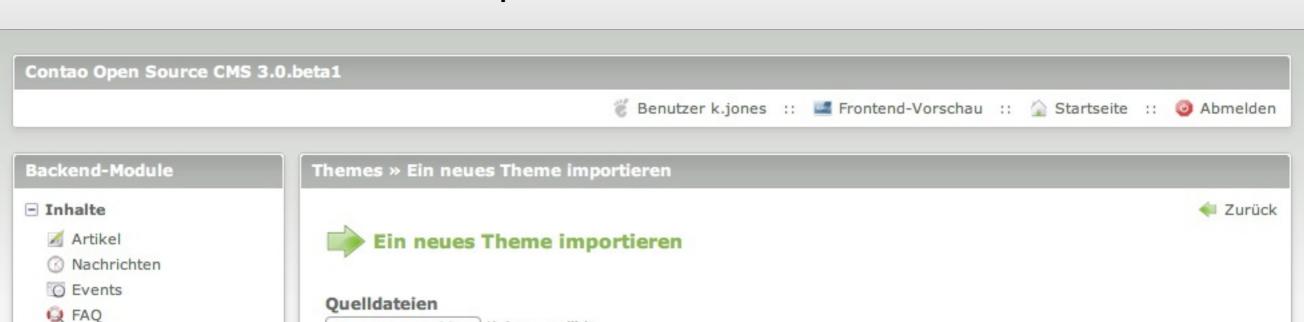


calendar of her course "Violin Master Class". This access control feature is actually new in Contao version 2.5!

Improved page layout form



Direct upload of theme and .csv files



Hier können Sie eine oder mehrere .cto-Dien für den Import hochladen.

Dateien auswählen Keine ...ewählt

Theme importieren

Newsletter

! Kommentare

Seitenstruktur

Benutzerverwaltung

Mitgliedergruppen

Benutzergruppen

Dateiverwaltung

Erweiterungskatalog

Extension-Creator

B Erweiterungsverwaltung

System-Log

Einstellungen

Systemwartung

Wiederherstellen

- Entwickler-Tools

Themes

Templates

Mitglieder

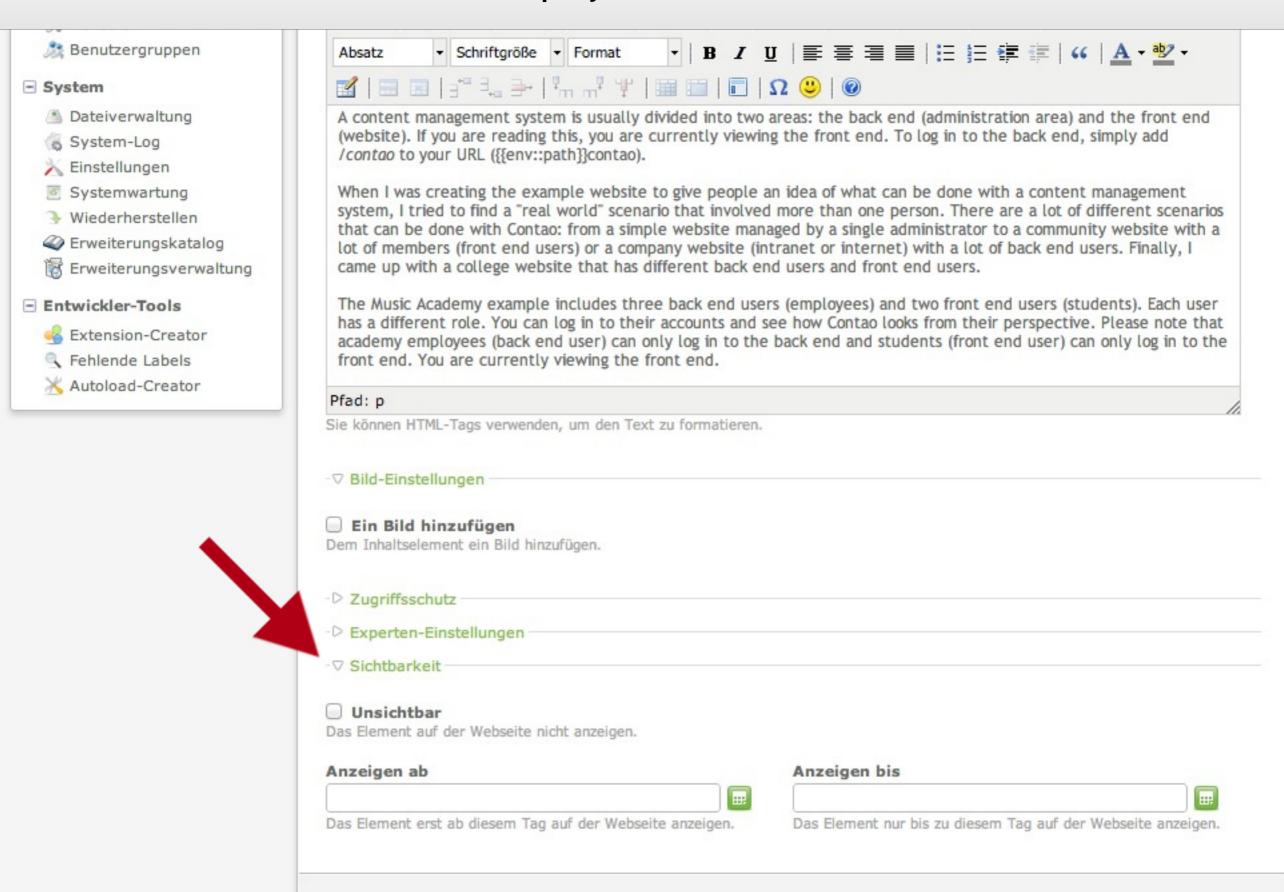
Benutzer

System

Layout

Formulargenerator

Timed display of content elements



Speichern

Speichern und schließen

Speichern und neu

Speichern und zurück

Improved system maintenance

System

- Dateiverwaltung
- System-Log
- X Einstellungen
- Systemwartung
- Wiederherstellen
- Erweiterungskatalog
- Trweiterungsverwaltung

■ Entwickler-Tools

- Extension-Creator
- Fehlende Labels
- X Autoload-Creator

Suchindex aufbauen



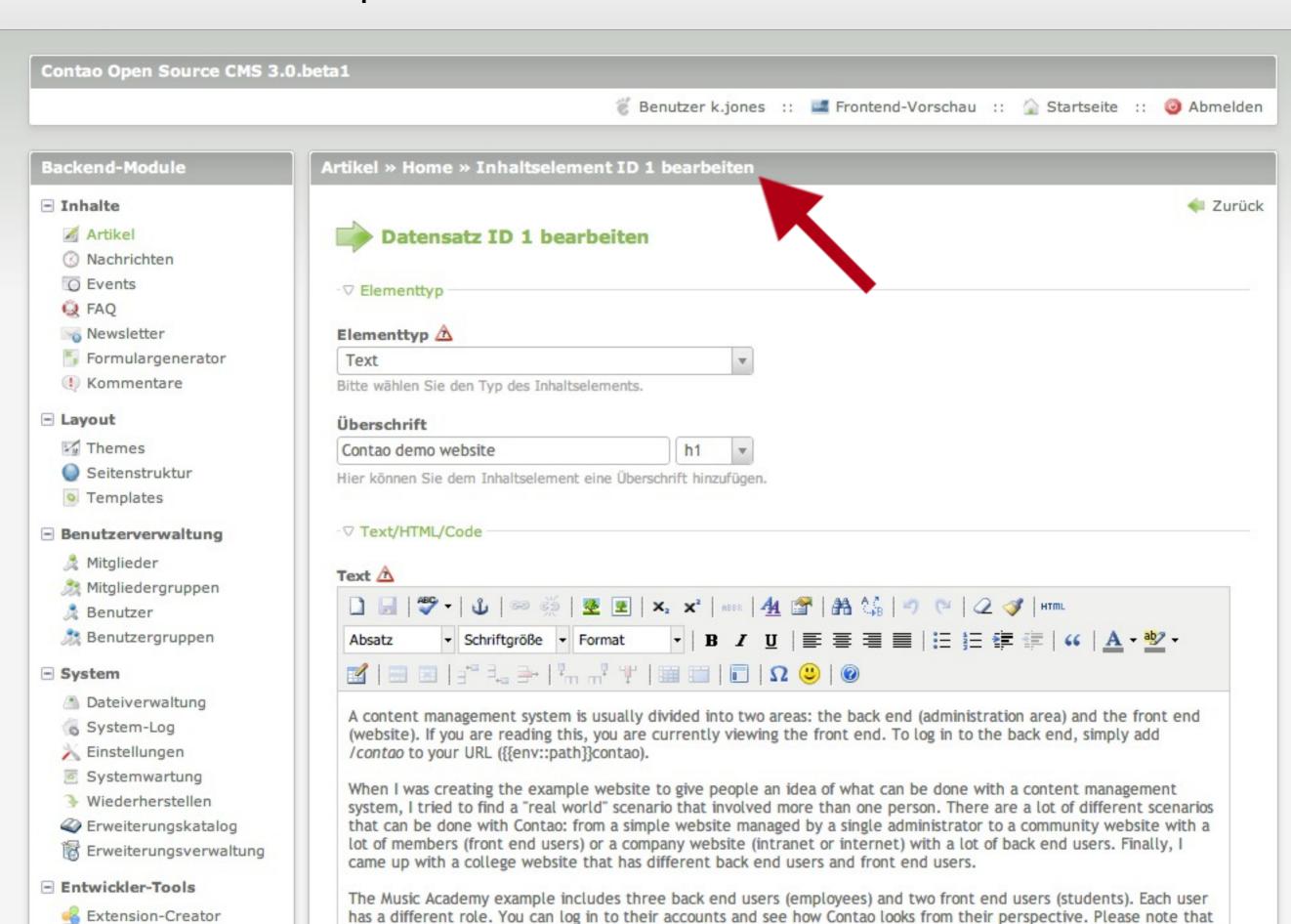
Daten bereinigen

Job	Beschreibung
Suchindex löschen tl_search: 28 Einträge, 80 kB tl_search_index: 2571 Einträge, 169 kB	Leert die Tabellen <i>tl_search</i> und <i>tl_search_index</i> . Anschließend muss de Suchindex neu aufgebaut werden (siehe oben).
Papierkorb leeren tl_undo: 1 Einträge, 4 kB	Leert die Tabelle t _ $undo$, in der die gelöschten Datensätze gespeichert werden. Die Daten werden hierdurch endgültig gelöscht.
Versionen löschen tl_version: 35 Einträge, 73 kB	Leert die Tabelle tl_version, in der die Versionen eines Datensatzes gespeichert werden. Die Daten werden hierdurch endgültig gelöscht.
Bildercache leeren assets/images: 42 Datei(en)	Löscht die automatisch erstellten Bilder und leert anschließend den Seitencache, damit keine ungültigen Links zurück bleiben.
Skriptcache leeren assets/js: 6 Datei(en) assets/css: 12 Datei(en)	Löscht die automatisch erstellten .css- und .js-Dateien, schreibt die internen Stylesheets neu und leert anschließend den Seitencache.
Seitencache leeren system/cache/html: 0 Datei(en)	Löscht die gespeicherten Versionen der Frontend-Seiten.
Internen Cache leeren system/cache/dca: 37 Datei(en) system/cache/language: 86 Datei(en) system/cache/sql: 14 Datei(en)	Löscht die gespeicherten DCA- und Sprachdateien. Der interne Cache kann in den Backend-Einstellungen dauerhaft deaktiviert werden.
Temp-Ordner leeren system/tmp: 0 Datei(en)	Löscht die temporären Dateien.
XML-Dateien neu schreiben	Schreibt die XML-Dateien (Sitemaps/Feeds) neu und leert anschließend den Seitencache, damit keine ungültigen Links zurück bleiben.

Daten bereinigen

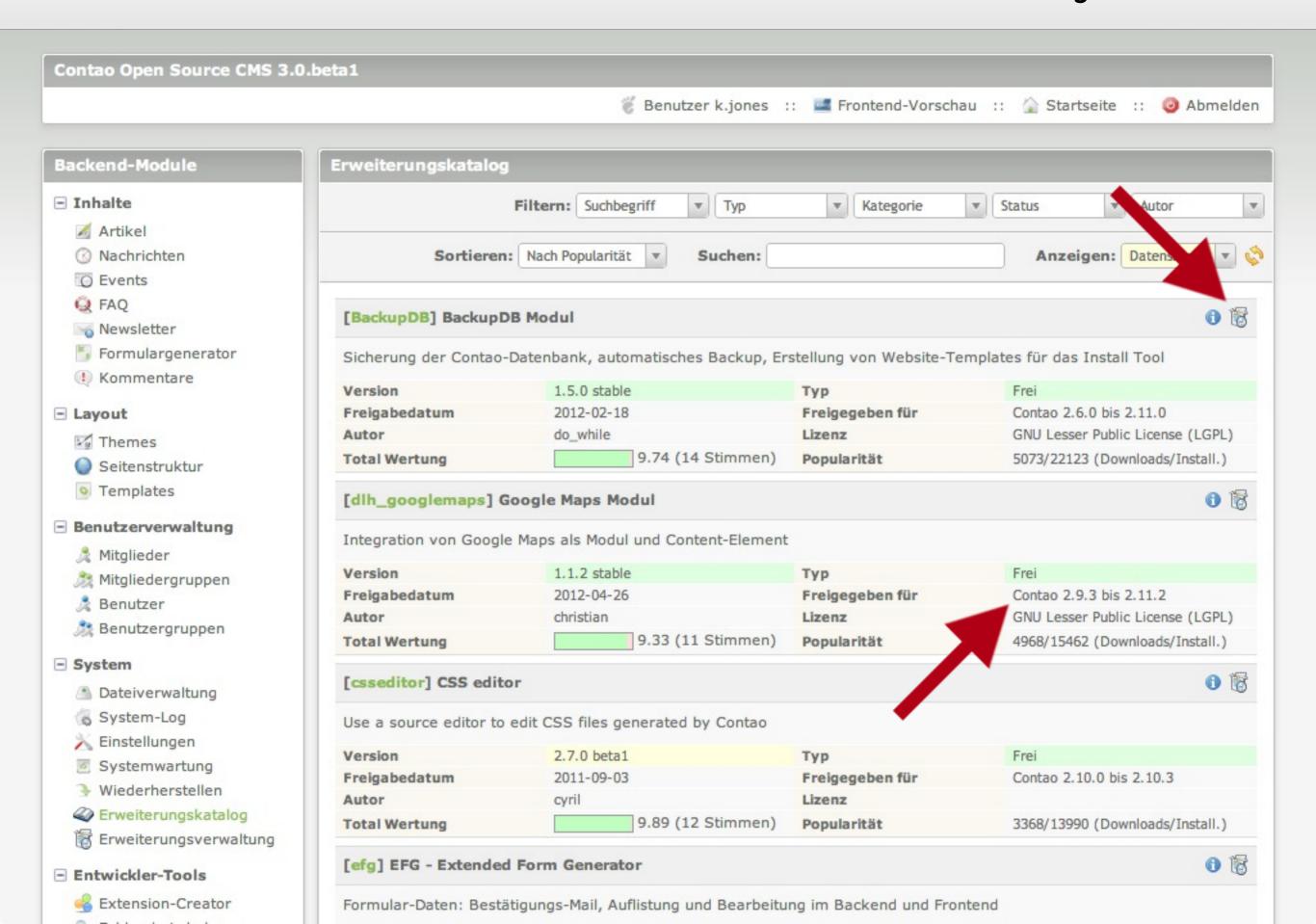
Alle Jobs über Automator aufrufbar

Improved back end titles and main headlines



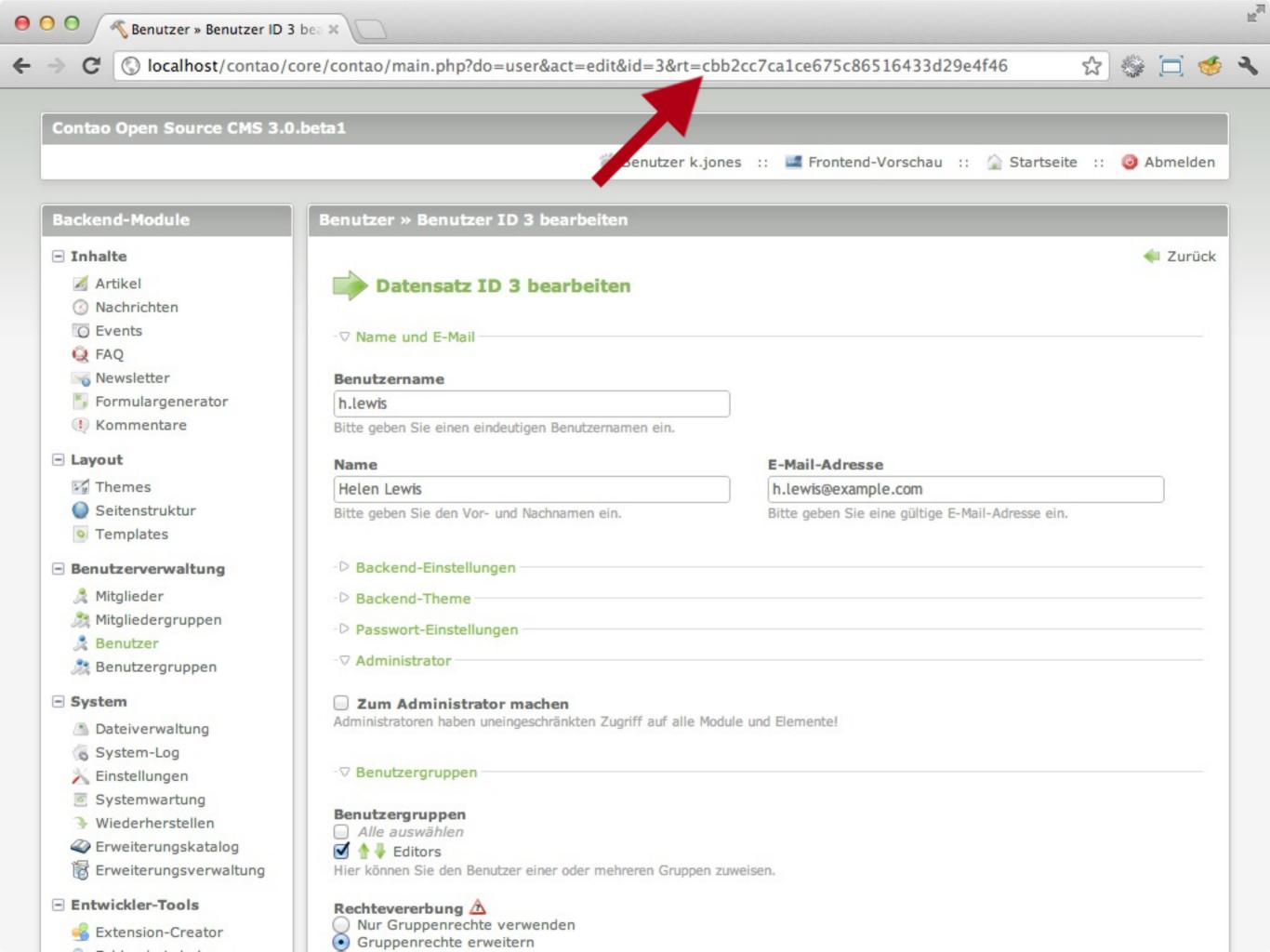
academy employees (back and user) can only log in to the back and and students (front and user) can only log in to the

Contao versions and install buttons in the extension catalogue



Security

Request token check in the back end



















contao/main.php?do=article&table=tl_content&act=edit&id=80

Modul Artikel **Betroffene Tabelle** tl_content

Aktion Element bearbeiten

Betroffener Datensatz ID 80

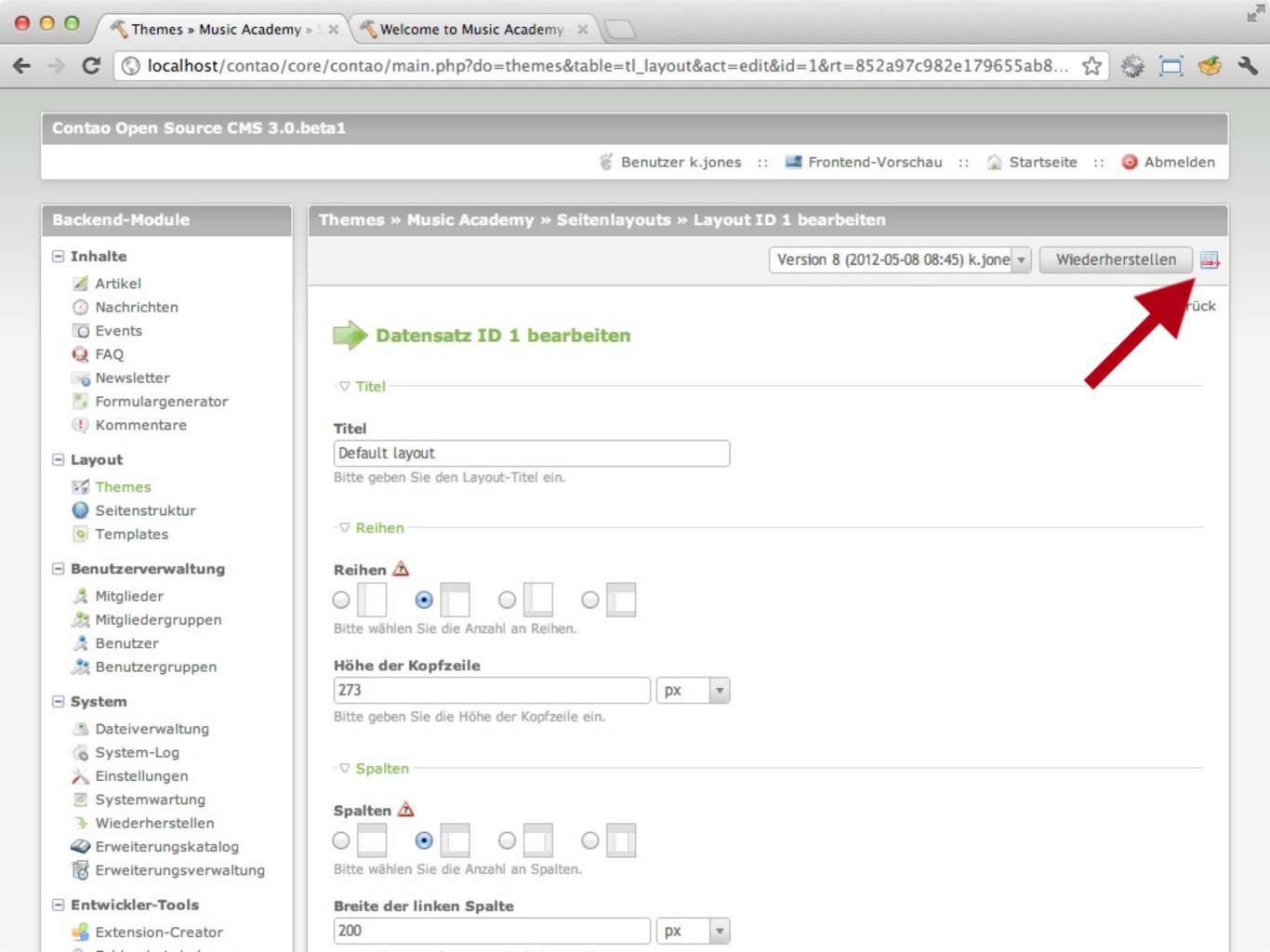
Der Link, den Sie aufgerufen haben, konnte nicht verifiziert werden. Wenn Sie den Link selbst aufgerufen oder von einer vertrauenswürdigen Person erhalten haben, können Sie den Vorgang fortsetzen.

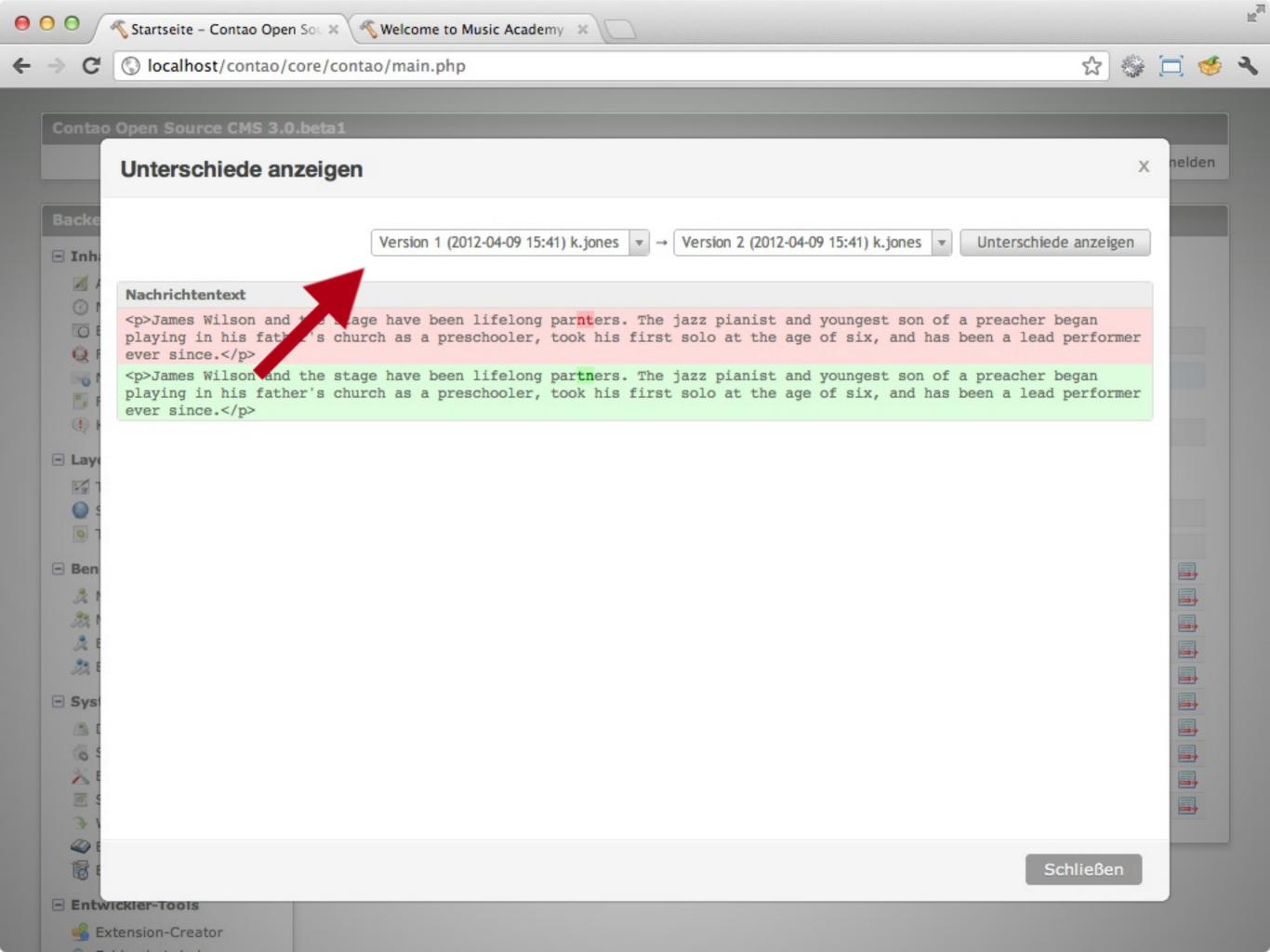
Abbrechen

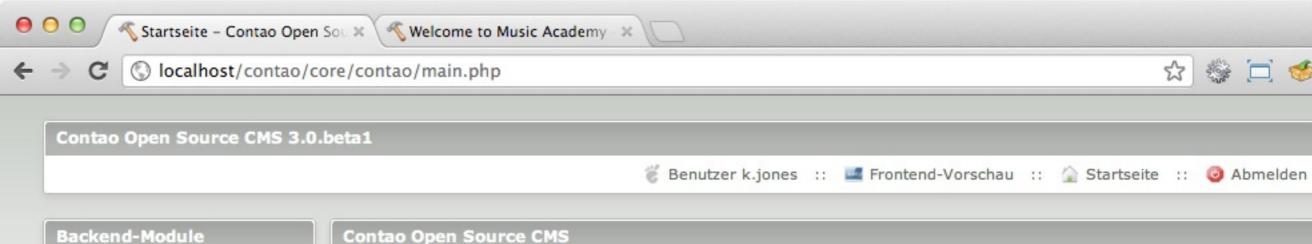
Weiter

Diff view

What has changed between two versions?







- Inhalte

Artikel

O Events

Q FAQ

Layout

Nachrichten

Newsletter

! Kommentare

Seitenstruktur

Benutzerverwaltung

Mitgliedergruppen

Benutzergruppen

Dateiverwaltung

Systemwartung

Wiederherstellen

Erweiterungskatalog

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Themes

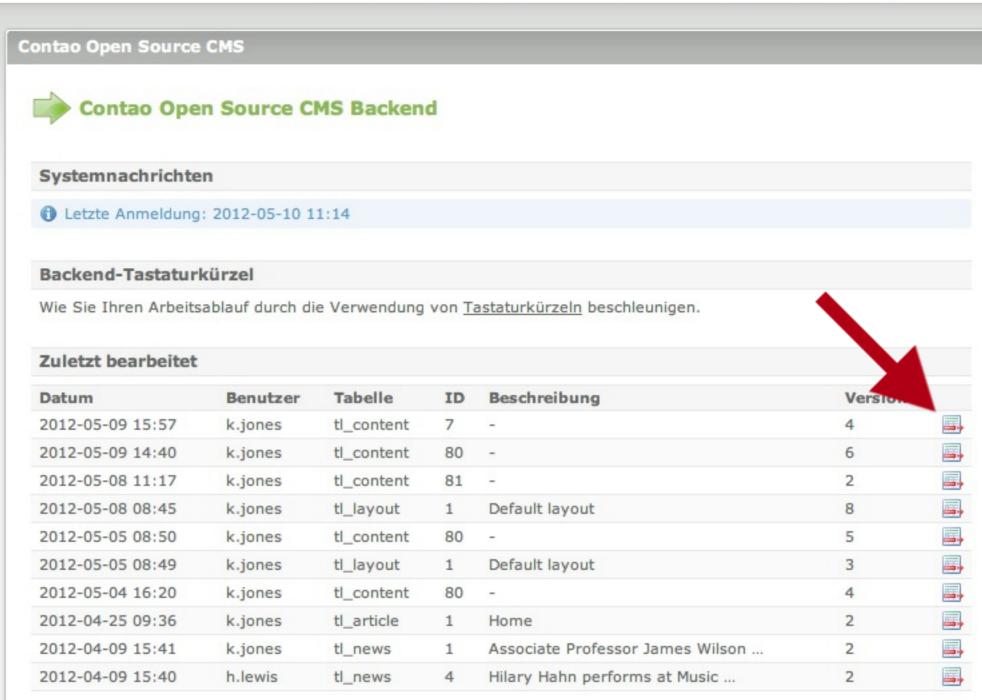
Templates

Mitglieder

Benutzer

System

Formulargenerator



Folder URLs

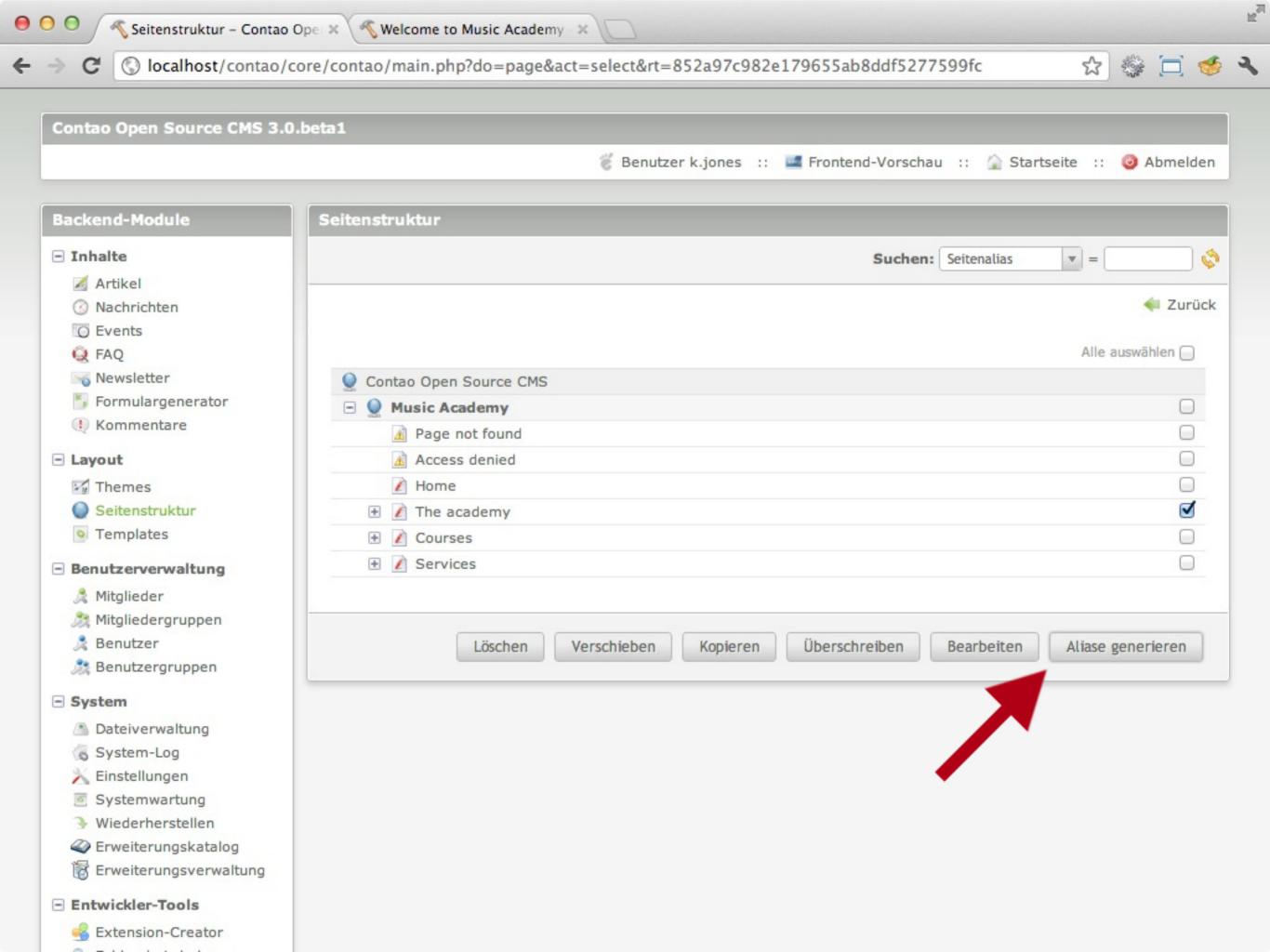
Folder URLs with automatic alias generation

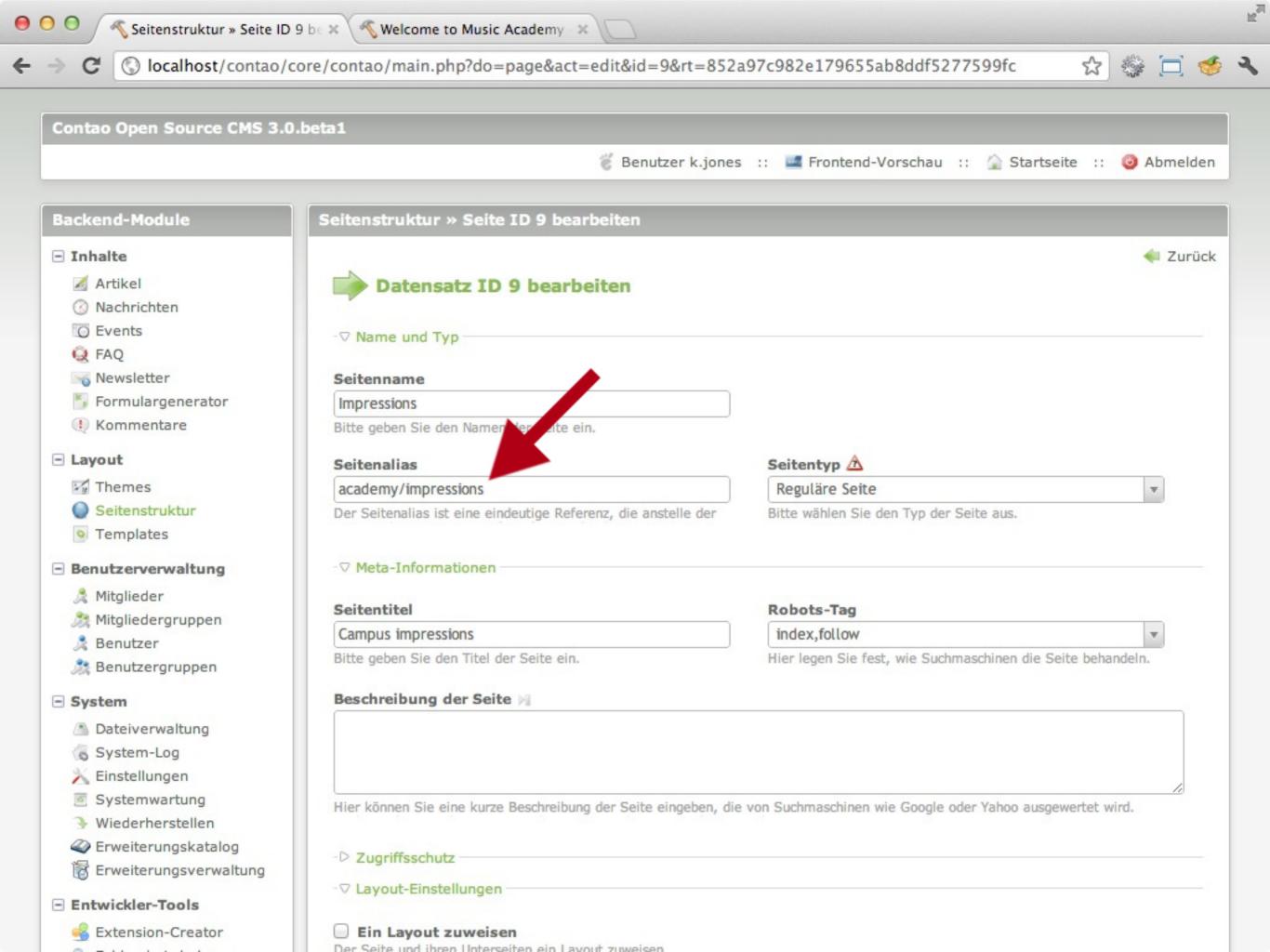
Folder URLs with automatic alias generation



- Standard URLs
 - academy.html
 - → The page alias is "academy"
- Folder URLs
 - service/account/password.html
 - → The page alias is "service/account/password"
- Automatic generation
 - The alias generation can be automated
 - The aliases of the parent pages (path) are added
 - Counting starts on the second level, so the root page is ignored
 - → e.g. "academy/news.html" and not "music-academy/academy/news.html"
- The feature can be disabled in the back end settings

Keynote Contao Conference 2012 Page 57













The academy

News Calendar Impressions Teachers

Courses

Services

Search Navigation Login

Music Academy

(localhost/contao/core/en/academy/impressions.html



Music Academy > The academy > Campus impressions

Front End Login

Username

Password

Remember me

Login

Did you lose your password?

Breaking news

2010-02-04 09:30

Associate Professor James Wilson returns

Jazz pianist James Wilson returns to Music Academy to give lessons in traditional and contemporary Jazz Piano.

Impressions

Here are a few impressions of the campus. This example uses a MooTools based image gallery called "mediabox" to show images in full size. Since version 2.5, you can split the gallery into multiple pages so it takes less time to load.



Lincoln Hall







Campus overview





















(3) localhost/contao/core/en/academy/news/james-wilson-returns.html

Home

The academy

News Calendar **Impressions** Teachers

Courses

Services

Search Navigation Login

Wusic Academy



Music Academy > The academy > News and updates

News archives

2010 February 2010 January 2010 2009 December 2009

Front End Login

Username

k.jones

Password

Remember me

Breaking news

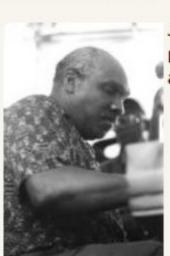
Login

Did you lose your password?

Associate Professor James Wilson returns

2010-02-04 09:30 by Kevin Jones

Veteran Jazz pianist James Wilson has enjoyed international renown since graduating from Music Academy in 1968.



James Wilson and the stage have been lifelong partners. The jazz pianist and youngest son of a preacher began playing in his father's church as a preschooler, took his first solo at the age of six, and has been a lead performer ever since.

Go back

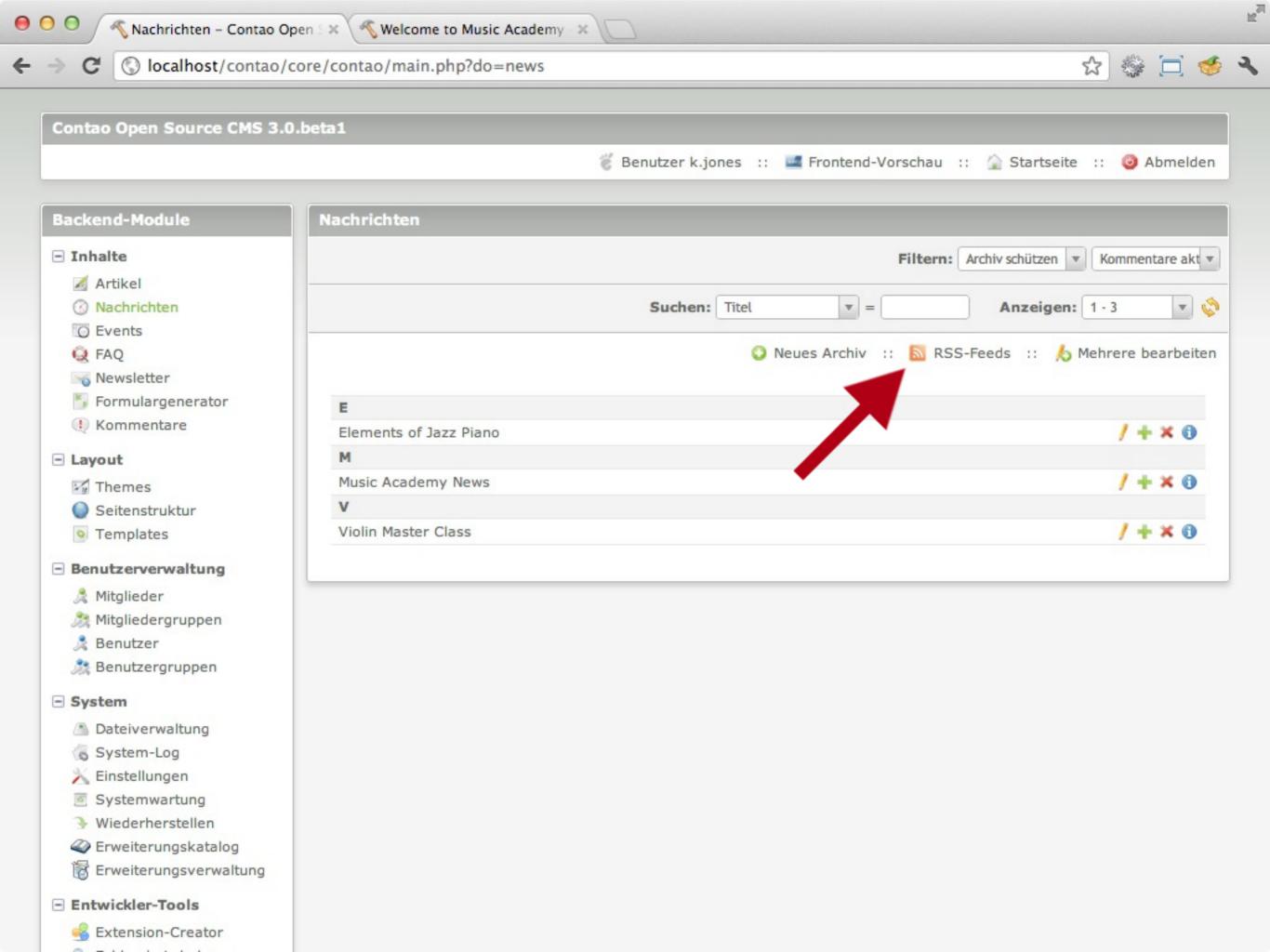
Add a comment

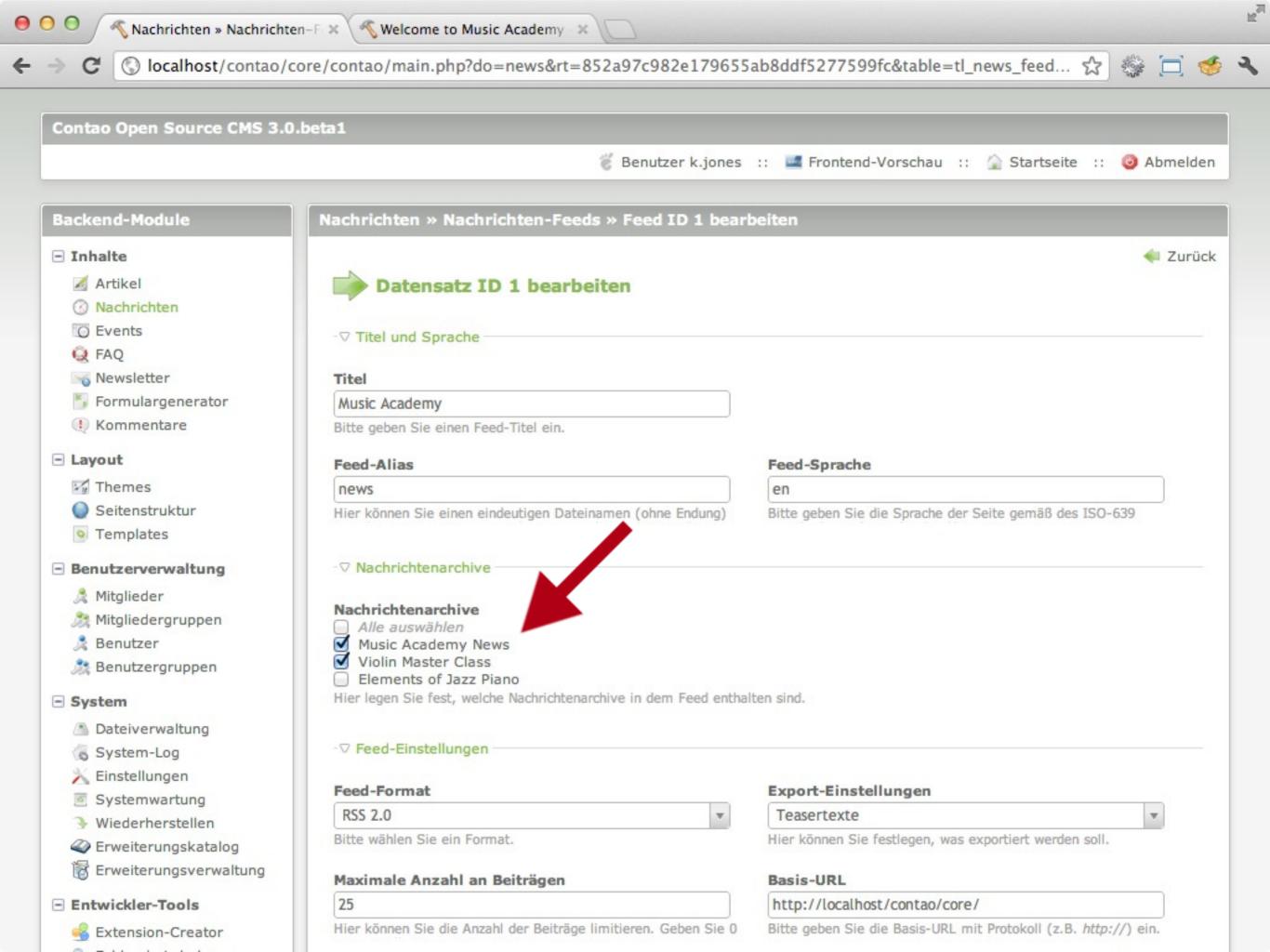
Comment by John Smith | 2007-12-02

It is great to have him back!

RSS feeds

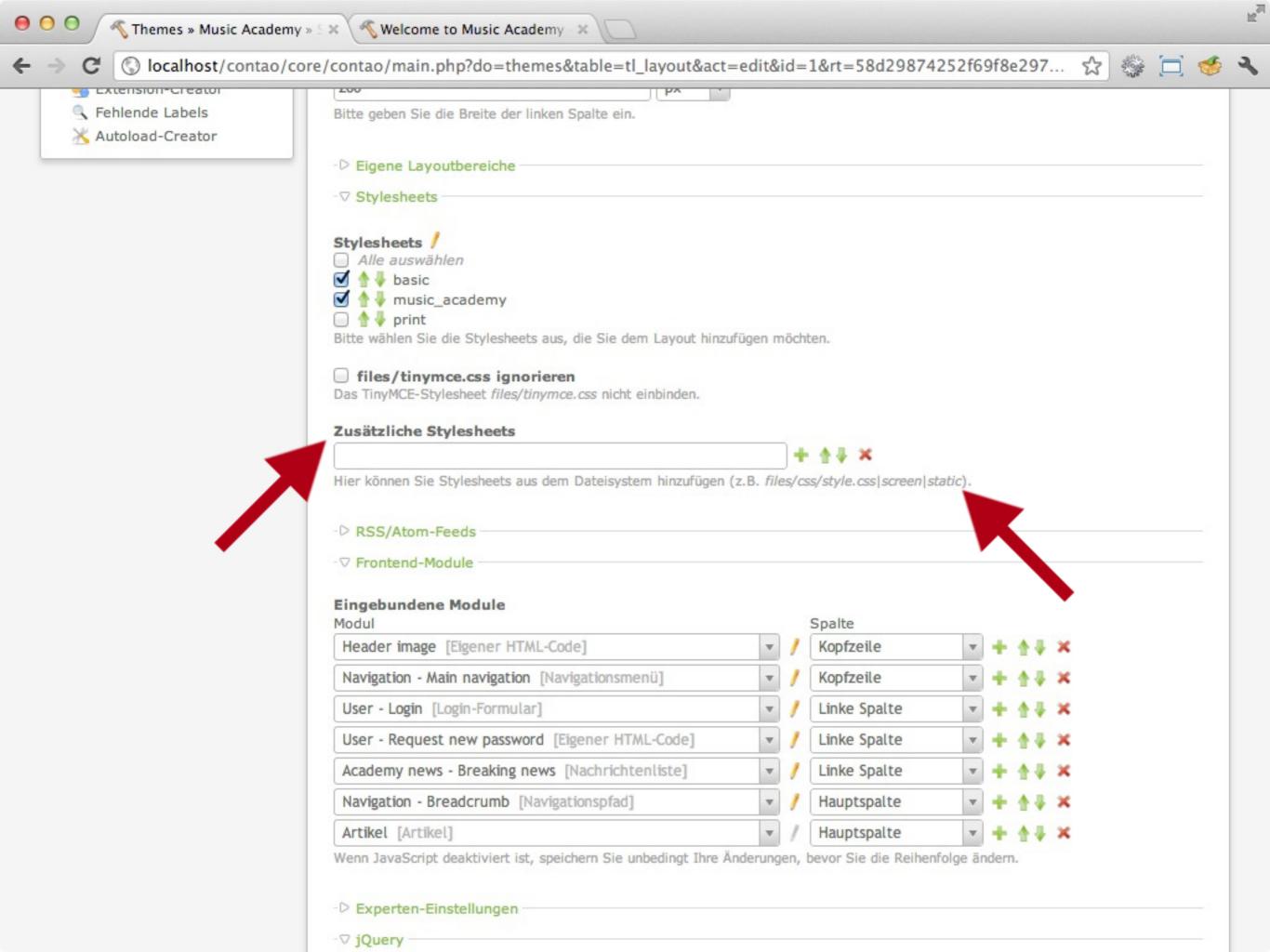
RSS feeds are now independent from archives





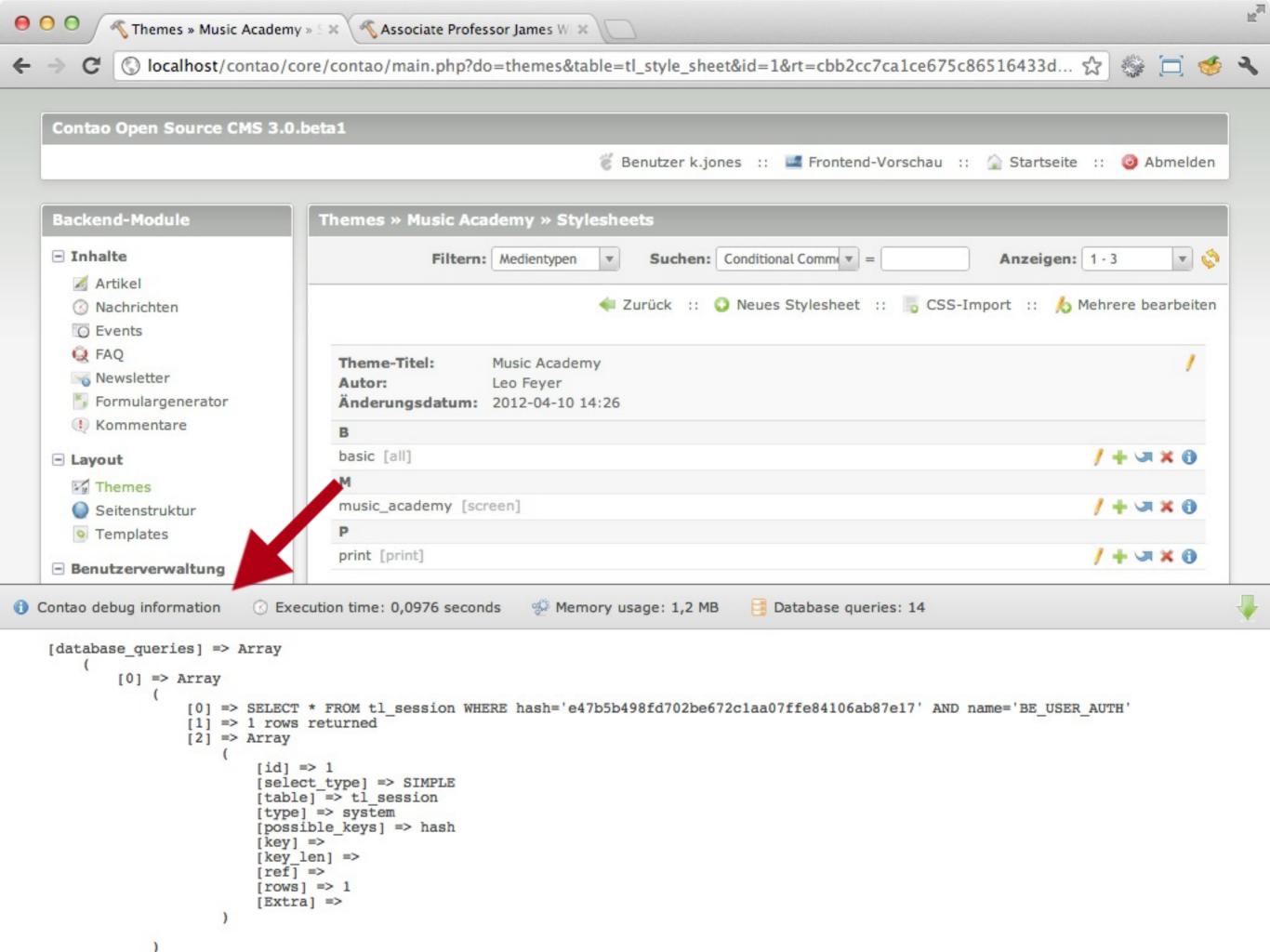
Style sheets

Style sheets from the file system in the page layout



Debug console

What happens in the background and how effective is it?



















Home

The academy

News Calendar **Impressions**

Teachers

Courses

Services

Search Navigation Login

Music Academy



Music Academy > Welcome to Music Academy

Front End Login

Username

k.iones

Password

Remember me

Login

Did you lose your password?

Contao demo website

A content management system is usually divided into two areas: the back end (administration area) and the front end (website). If you are reading this, you are currently viewing the front end. To log in to the back end, simply add /contao to your URL (http://localhost/contao/core/contao).

When I was creating the example website to give people an idea of what can be done with a content management system, I tried to find a "real world" scenario that involved more than one person. There are a lot of different scenarios that can be done with Contao: from a simple website managed by a single administrator to a community website with a lot of members (front end users) or a company website (intranet or internet) with a lot of back end users. Finally, I came up with a college website that has different back end users and front end users.

Breaking news

2010-02-04 09:30

Associate Professor James Wilson returns

Jazz pianist James Wilson returns to Music Academy to

The Music Academy example includes three back end users (employees) and two front end users (students). Each user has a different role. You can log in to their accounts and see how Contao looks from their perspective. Please note that academy employees (back end user) can only log in to the back end and students (front end user) can only log in to the front end. You are currently viewing the front end.

User accounts

Miscellaneous

Overview of some other changes

Overview of some other changes



Further performance improvements

- By switching to a mapper class loader
- By adding an internal cache for DCA and language files
- Both reduces the number of hard disk accesses

Share on Google+

- Sharing of articles now also supports Google+
- The feature can be activated in the article settings (syndication)

Mediabox swipe support

The Mediabox images can be browsed using a swipe gesture on mobile devices

Piwik analytics

- In addition to the Google Analytics template, there is now also a Piwik template
- Both templates have to be adjusted before they can be used!

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Overview of some other changes



Browser engine CSS class

- The CSS class of the body element has been extended
- Besides the OS, browser and version, the engine is now available too
- "mac chrome ch18" becomes "mac chrome webkit ch18"
- Unique pagination variables
 - Instead of just "page", the variables are now named e.g. "page_e20"
 - The "e" stands for "event list", the "20" for the module ID 20
 - This allows combining multiple pagination menus on the same page
- Download elements are now unordered lists (UL)
 - Custom templates have to be adjusted accordingly
- The task center module is no longer part of the core

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Ok, give it to me!

When will the stable version be released?

Schedule



- The API changes are finished
 - Developers can adjust their extensions
 - Contao 3 is mostly backwards compatible with Contao 2
 - More information in the developer workshop
- Features yet to be implemented
 - Integration of a content slider
 - Notification of subsequent comment
- About 50 open tickets to be reviewed
 - However no fundamental changes
 - Not all tickets will be implemented in version 3.0

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Schedule



- What about the release cycle?
 - Longer beta and RC phase for major versions
- Beta phase
 - The beta phase starts with the conference, so it includes May and June
- RC phase
 - The following RC phase includes July and August
- Finale release
 - The finale release is expected in September 2012

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The End

Thank you for your attention