Calendar extension "cz_simple_cal"

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Abstract

cz_simple_cal is a simple calendar written on top of extbase

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Chapter 1. Introduction

Caution

This extension in alpha state.

It was only tried with TYPO3 4.4 and the corresponding extbase version. Different versions might work, but propably they do not.

Chapter 2. Concepts

This section tries to explain some of the basic concepts behind the calendar.

Event Index

Calendar Base introduced something called `New Recurring Event Model`. This concept was borrowed and applied to all events by default. The index is automatically updated if you modify an event. So depending on how many recurrances and exceptions you've set up, storing might take a while longer.

Note

The extension is smart enough to notify if you changed some values that actually require indexing to run again. So if you only change the title or a description, no indexing is done.

Caution

Until now there is no Indexer to re-index all your events. If you happen to mess up your index somehow (for example by changing an exception you have assigned to an event) you'll have to edit and save every event again. And due to the note above, you'll actually have to change something significant like the start time.

Due to the indexing of events you usually deal with EventIndices in your templates. But the objects are smart enough to tunnel unknown methods to the Event they belong to. So you can work with `EventIndices` as if they were Events.

Fake Actions

To make the extension as flexible as possible you can add fake actions to the controller in your TypoScript.

At the moment the only real actions are `listAction`, `showAction` and `countEventsAction`. `DispatchAction` serves as a fallback and default action.

See HowTo: Add a fake action to learn - guess what - how to add a fake action.

Chapter 3. HowTo's

Add a fake action

Adding a fake action is pretty simple and can be done only using TypoScript. Let's say we want to add a view that displays the event that has recently finished. We'll call this action `recent`.

1. **Choose a fitting real action**

   In our example case this would be the `listAction`. `ShowAction` won't fit as you don't know the id of the event to display in advance. Instead, we'll limit the list to display only one event.

2. **Extend the TypoScript configuration**

   ### Note

   All given TypoScript paths are relative to `plugin.tx_czsimplecal`. I am to lazy to add this to the path each time, and so should you. Use the curly brackets: `plugin.tx_czsimplecal{ //... }`

   The TypoScript settings already hold some action configurations. So we'll just copy the configuration for the `listAction` in `settings.Event.actions.list` to `settings.Event.actions.recent`.

   The configureable options should be pretty obvious. But first we'll add `useAction = list` to the actions configuration. This way the fake `recentAction` knows which real action to call. Now we can change the other configuration like this:

   ```
   recent {
       // ...
       startDate  = now -1 month
       endDate    = now

       maxEvents = 1
       orderBy   = end
       order     = DESC
   }
   ```

   Guess what each of the configuration values is doing. ;)

3. **Add the action to the allowed actions**

   Just add the name of the action to the `allowedViews` in the root of the extensions settings.

4. **Create a view**

   Well, thats even simpler: Just copy the `list.html` template and rename it to `recent.html`. Do changes on the file if you like.

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Glossary

Date	A date usually means the combination of day and time. See Also Day, Time.
Day	When speaking of a *day* usually no time is meant. For example 1st January 2010 would be a day. See Also Date, Time.
Time	When speaking of a *time* usually no day is meant. For example 12:34:56 would be a time. See Also Date, Day.
Event (Domain Object)	The Domain Object `Event` represents a series of events that share some common information like the name or a description. Events might be recurrant or have exceptions in this recurrances. See Also EventIndex (Domain Object).
Event (Controller)	The most important controller for the Events. Technically it is no controller for the `Event` but for the `EventIndex`
EventIndex (Domain Object)	In contrast to the Event an `EventIndex` is a representation of a concrete occurance of the event. So an `Event` the recurrs every week will have a `EventIndex` representation fore every week. Even not recurring Events have an `EventIndex` representation. Queries on several events are almost exclusivly done on these domain objects. See Also Event.
Exception (Domain Object)	An `Exception` is an "`Event`" that symbolizes that an Event is not taking place when the exception is active. It might be recurring, but Exceptions is not stored are not stored as Indices in the database as it is done with Events.
ExceptionGroup (Domain Object)	A collection of `Exceptions` that belong together somehow.
GetDate	GetDate is a concept taken from the TYPO3 extension cal. GetDate makes some actions configurable using GET-parameters. All relative dates of the action are calculated based on that date.
Timespan	A timespan has a start and an end date and covers everything in between. There are no gaps in a timespan.
Timeline	A timeline is a collection of timespans. The contained timespans might overlap or build gaps. See Also Timespan.
Fake Action	One of the concepts of this calendar is to generate actions dynamically based on TypoScript configuration. Actions that have no method in the corresponding controller are called "fake actions". See Also Real Action.
Real Action	In comparisson to fake actions the real actions have a method in the corresponding controller. These are the actions as they are conceptually intended by extbase. See Also Fake Action.