(Cal)endar Base

TYPO3 developer days
April 26-29, 2007
Dietikon, Switzerland

Examples on: http://www.typo3-calendar.org/1642.0.html
Agenda

- Introduction
- Structure: MVC
- Tutorial 1 - Importer Service
- Tutorial 2 - My View
- Tutorial 3 - Module Marker
- Open discussion
About

- Mario Matzulla
- 29 years
- Schauren, Germany
- Java-Programmer, Freelancer
- TYPO3 since 2003
- Ext: cal
Ext: cal

• Standard Views:
  • Day, Week, Month, Year, List, Event, Location, Organizer, Search, XML, ICS

• Event-subscription/monitoring & reminder

• Fe-editing
Future Plans

- lib / div
- Personalize
- Attendee (seminars)
- AJAX Interface
- Room-Management

[link to iCal]

[link to RFC 2445]
Model-View-Controller

- **Model**
  - „representation of the information“

- **View**
  - „Renders the model into [...] a user interface element.“

- **Controller**
  - „Processes and responds to events“
Under the hood....
Model

TYPO3 Request
(content, conf)

Calendar Controller

Find All Events in April

All Events in April

Calendar Model

Find All Events in April

Standard Calendar
External Calendar
News Connector
Birthday Connector
etc
View

Month → Single Event → Create Event → ICS → etc

All Events in April

HTML Output

Calendar View

HTML Output

Display Month View for All Events in April

Calendar Controller

TYPO3 Response (HTML Output)
Model

TYPO3 Request (content, conf) → Calendar Controller

Find Mario’s Birthday → Calendar Model

Calendar Model → Event for Mario’s Birthday

Find Mario’s Birthday

Standard Calendar, External Calendar, News Connector, Birthday Connector, etc.
View

Diagram:

- Month
- Single Event
- Create Event
- ICS
- etc

Calendar View:

- HTML Output
- Mario's Birthday

Calendar Controller:

- HTML Output
- Display Single View for Mario's Birthday

TYPO3 Response (HTML Output)
T.1 - Importer Service

- General Recipe:
  - A table containing a date/time representative (timestamp)
  - A model encapsulating a table row information
  - A service connecting the model with calendar
  - An ext-developer mixing everything
T.1 - Birthday Service

- Instructions: Fe-User Birthdays
- Table: fe_users
- Field: date_of_birth
- Class: tx_cal_birthday_model extends tx_cal_phpicalendar_model
- Service: tx_cal_birthday_service extends tx_cal_event_service
- Configuration: ext_localconf.php
T.2 - My View

• General Recipe:
  • A service overwriting an existing view
  • An ext-developer configuring it the correct way
• Instructions: Holiday View
• Service: tx_cal_birthday_service extends tx_cal_event_service
• Configuration: ext_localconf.php
T.3 - Module Marker

- keyword MODULE__ :
- ###MODULE__TEST###
- `cal` will try to instantiate a service with the name: TEST and type: module
- Calls: `$module->start($this)`
- Expects: HTML
T.3 - Module: LocationLoader

- `phpicalendar_event.tmpl` template
- Includes another Template with location info:
  - Instead of `###LOCATION###` -> `###MODULE__LOCATIONLOADER###`