

# Website Conception with Drupal 6

## **CCK and Views**

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## Plan of the course:

- 18h00-18h30 Creating custom content type
- 18h30-19h30 Hands-On: Creating an event type
  - a) Create an event type
  - b) Customising field display (+formatting)
  - c) Create several events to form a list
- 19h30-19h45 Pause
- 19h45-20h15 Views
- 20h15-21h00 Hands-On: Creating an event view

# Content Construction Kit (CCK)

- Allows to create content with variety of fields (checkboxes, select lists, image uploads) without writing a line of code.
- Since the core does not allow to add fields to a content type, this is what CCK does.
  - adds custom fields to your content type
  - together with the option for adding new content types, cck creates a number of customised forms for adding forms (additional text fields, image field, and a set of radio buttons).
- Ex. paged table showing product details that can be sorted by price or manufacturer. Block listing the albums of a particular artist.
- Two pieces: fields and widgets

# Fields

- Type of data that needs to be saved (what type of data need to be stored: text, image, numbers, relationship to node or user)
- Types of fields:
  - integer: for storing exact numbers (10000)
  - decimal: for storing numbers to a certain decimal point (currency) (1,101)
  - float: for numbers that need a high level precision (scientific measurements)
  - text: any text (names, descriptions, longer full-text content, biographies).
  - node reference: can reference any node on the site in a field (to relate one piece of content to another one).
  - user reference: to reference a user (coordinator, contact person for an event).

# Widgets

- Widgets are the form elements. They define how this data should look in the form.
- Elements: drop-down select list, radio buttons, checkbox, autocomplete text field.
- Widgets vary based on the field type chosen
- Widget types:
  - text field (single line of text - name, phone nr)
  - text area (multiple rows) (for larger paragraph of text)
  - Single on/off checkbox (yes/no)
  - checkbox/radio buttons (for multiple options, radios for a single value only)
  - select list (alternative to checkbox, but in a form of a drop down select list).
  - autocomplete text field (text field that, as it is typed into, displays results that start with the letters entered; useful for huge number of options).

# Formatters

- Allow to adjust how the data will be output when it is displayed to the users of the site.
- Ex. decimals to be displayed with or without commas.

# CCK Hands-On: Create an Event Type

1. Enable CCK (admin/build/modules). Enable Content (core) and one or more field/widget modules. Enable: Content, Filefield, Node reference, Number, Option Widgets, Text, User Reference.
2. Add content type: event (admin/content/types/add). (Name: event, type:event, descr.:for posting events; Title field label: Event title; Body field label: description). Save the content type.
3. Click the "manage fields"; to add custom fields.
4. Click on "New field" form to complete. Select the field type (text) (Label:Date, Field name:date, field type: text, widget:text)
5. After clicking the save button, you will be able to fine-tune the new select list. Help: fill-in the date the event is taking place. If it is a select list, you will be able to fill in the values to select.

6. Return to "manage fields" and add a Contact (person) field. OR type of event.

7. You can add a prefix (\$) to the field (if it is a integer field).  
Ex.10\$

8. To add a contact (user reference) for the site.

- "New field" form: (label:contact, field name:contact, feild type:user reference, select a widget:select list).
- Configure the user reference field so that users of the "editor" role can be referenced.

9. Before users can create pieces of event content, they'll need to have permission to create and edit the content type:

- Go to [amin/user/permissions](#). Check the options for the editor: create, delete own, edit own. Admin: all checked.

# Hands-On: Customizing Field Display

Go to Content Management->Content types->Manage fields `admin/content/node-type/event/field`

- You can arrange the fields where you like. Drag the handle to arrange the table so that it is in a good order. Click save.

Let's test the content type:

- Login as editor
- Create a new event Create content->Event (`node/add/event`). (fill in the form) (as admin you will see more options than as editor).

When we save, we will see that it is not entirely pretty. All is glued to itself, fields are under the titles.

We should use **CCK formatters** for displaying various fields.

- Log back as admin
- Go to Administer->Content management->Content types and click "edit" on the event type.
- Click on "Display fields" (display options for the fields in the "events"). Update the form (label value: inline, teaser: default; contact: inline, teaser <hidden>, node value: default).
- Save changes and see how it looks like.

Create several events in a row now. Having several pieces of content will help the next session.

# CCK related modules to consider

A full list of CCK field types is available on <http://drupal.org/taxonomy/term/88>

- FileField - <http://drupal.org/project/filefield>
- ImageField - for adding an image field  
<http://drupal.org/project/imagefield>
- Date - for the image field  
<http://drupal.org/project/date>
- Fivestar - voting system  
<http://drupal.org/project/fivestar>

# FileField (homework)

FileField is used to do file upload with CCK. You will need it to be able to upload photos and other types of attachments.

1. Go to Content Management->Content types->Manage fields

2. Select a field type: file, select a widget type (file upload).

3. Field settings:

- Permitted upload file extensions: pdf txt doc rtf
- Path settings>file path: attachments
- Required: checked (no)
- Default list value: listed
- How should the list value be handled: Enforce default
- Description field: Disabled.