Table of Contents

Preface **1**

Chapter 1: CMS Core Design **7**

The CMS's private and public areas **8**

The front-end 8

The admin area 10

Plugins **11**

Files and databases **12**

Directory structure 12

Database structure 14

The configuration file 15

Hello World **16**

Setup 16

Front controller 20

Reading page data from the database 23

Summary **32**

Chapter 2: User Management **33**

Types of users **33**

Roles **34**

Database tables **36**

Admin area login page **38**

Logging in **47**

Logging out **53**

Forgotten passwords **55**

User management **60**

Deleting a user 63

Creating or editing a user 64

Summary **67**

Chapter 3: Page Management – Part One **69**
How pages work in a CMS **69**
Listing pages in the admin area **70**
Hierarchical viewing of pages 73
Moving and rearranging pages 77
Administration of pages **78**
Filling the parent selectbox asynchronously 87
Summary **89**
Chapter 4: Page Management – Part Two **91**
Dates **91**
Saving the page **94**
Creating new top-level pages **98**
Creating new sub-pages 100
Deleting pages **101**
Rich-text editing using CKeditor **103**
File management using KFM 107
Summary **113**
Chapter 5: Design Templates – Part One **115**
How do themes and templates work? **115**
File layout of a theme 118
Setting up Smarty 120
Front-end navigation menu 126
Summary **132**
Chapter 6: Design Templates – Part Two **133**
Adding jQuery to the menu **133**
Preparing the Filament Group Menu 134
Integrating the menu 137
Choosing a theme in the administration area 141
Choosing a page template in the administration area 147
Running Smarty on page content 150
Summary **152**
Chapter 7: Plugins **153**
What are plugins? **153**
Events in the CMS 154
Page types 155
Admin sections 155
Page admin form additions 155
Example plugin configuration **156**
Enabling plugins **158**

Handling upgrades and database tables **163**
Custom admin area menu **166**
Adding an event to the CMS **173**
Adding tabs to the page admin **179**
Summary **185**
Chapter 8: Forms Plugin **187**
How it will work **187**
The plugin config **188**
Page types in the admin **190**
Adding custom content forms to the page admin **194**
Defining the form fields **200**
Showing the form on the front-end **206**
Handling the submission of the form **211**
Sending by e-mail 214
Saving in the database 215
Exporting saved data **217**
Summary **219**
Chapter 9: Image Gallery Plugin **221**
Plugin configuration **222**
Page Admin tabs **223**
Initial settings **224**
Uploading the Images **226**
Handling the uploads 228
Adding a kfmget mod_rewrite rule 229
Deleting images 230
Front-end gallery display **232**
Settings tab **235**
Grid-based gallery **239**
Summary **243**
Chapter 10: Panels and Widgets – Part One **245**
Creating the panel plugin **245**
Registering a panel **248**
The panel admin area **251**
Showing panels 252
Creating the content snippet plugin **255**
Adding widgets to panels **256**
Showing widgets 257
Dragging widgets into panels 258
Saving panel contents 261

Showing panels on the front-end **264**
Summary **266**
Chapter 11: Panels and Widgets – Part Two **267**
Widget forms **267**
Saving the snippet content 274
Renaming widgets 276
Widget header visibility 277
Disabling widgets 279
Disabling a panel 280
Deleting a panel 282
Panel page visibility – admin area code 283
Panel page visibility – front-end code 289
Widget page visibility 289
Summary **291**
Chapter 12: Building an Installer **293**
Installing a virtual machine **294**
Installing VirtualBox 294
Installing the virtual machine 295
Installing the CMS in the VM 300
Creating the installer application **302**
Core system changes 302
The installer 303
Checking for missing features **304**
Adding the configuration details **309**
Summary **315**
Index **317**