

Index

A

- about_us, 68, 249**
- accessibility**
 - defined, 37
 - site factors, 37–40
- Active Record patterns, 57–59**
- addCategory, 162–164, 166, 171**
- addPage, 239, 277**
- addProduct, 170–171, 175, 211, 304–305**
- addUser, 180, 185, 269, 272**
- administrative dashboard, 147–160**
 - admin.css, 155–158
 - controllers, 148–149
 - folder for, 147
 - footer files, 155
 - header files, 155
 - home page, 153–160
 - login, creating, 149–153
 - logout function, 159–160
 - requirements for site, 145–146
 - view, 158–159
- admin screens**
 - admin folder, 147
 - for colors, 213–220
 - for newsletter, 254–259
 - for page manager, 242–247
 - security, 268–272
 - for sizes, 220–221
- admins.php, 148**
- Agile, 24–28**
 - best use of, 24
 - development time, 24–25
 - eCommerce site, example of, 29–42
 - information resources on, 25
 - Post-Agilism, 25
 - Scrum, 26–28
 - XP, 28–29

AJAX

- recalculate, 40
- Shopping Cart, 117–118, 123
- ajax_cart, 117–118**
- ajax_cart_remove, 123**
- ajax_msg, 117**
- anchor, 61, 63, 73, 138, 158**
- anchor_popup, 61**
- application folder, contents of, 48**
- arguments, database tables, extracting information from, 14**
- array(s)**
 - Array helper, functions of, 60
 - results, convert to array, 17
- array_values, 193**
- Authorize.Net, 297**
- auto_typography, 21, 61**
- autoloading**
 - autoload.php options, 52–53
 - helpers, 52, 60
 - models, 67

B

- backlog, Scrum, 26–27**
- base_url, 61, 63**
- batchmode, 190–193**
- batch mode operations, 189–194**
 - form elements, adding, 189–194
 - products, updating, 192–193, 278
- batchUpdate, 192–193, 278**
- benchmarking, 290–293**
 - Benchmarking library, functions of, 54
 - process of, 291–293
- blogs, MVC application, example of, 6**
- bodycopy, functionality issue, 20–21**

browsers

- JavaScript/cookies, checking, 305–306
- non-GZIP browsers, 288
- button(s), creating, 62–63**

C

- caching, 288–290**
 - cache folder, contents of, 48
 - confirming cache, 290
 - setting up cache, 288–289
- CakePHP, 9–12**
 - benefits to use, 10
 - helpers/libraries, 12
 - models/model associations, 10–11
- Calendar library, functions of, 54**
- captcha plugin, 52**
- cascading style sheets (CSS). See CSS**
- cat, 90, 93**
- categories, 89–97**
 - admin/categories controller, 149
 - category ID, 91–92, 192–193, 206
 - deleted, reassigning products from, 206–209
 - elements of, 34
 - export function for, 194–196
 - home page, 160–161
 - management of. *See* category management tools
 - mockups, 31–33
 - models, 65–66
 - navigation file, 74
 - redirect back to home page, 93
 - security, 273–274
 - tables, 35, 64
 - view, creating, 93–97
 - See also* specific topics

categories.php, 148

category_id, 190, 192–193, 206

category management tools, 160–169

category delete, 167–169
category home page, 160–161
edit category, 165–167
view, 162–165

category views, 93–97

contents of, 32
creating, 96–97
mockups, 31–33, 94
subcategories, 32
thumbnails, updating, 140

character_limiter, 61

checkboxes

color/size, adding, 225–230
creating, 62

checkOrphans, 206

checkout, shopping cart, 297–304

checkout, adding, 298
confirmorder, 300–302
integration with Google Checkout, 297, 301–303
Merchant ID, 301–302
number_format, 300
security, 303
verification function, 298–299

Claudia's Kids. See eCommerce site

Cocoa, 9

CodeIgniter, 9–12

approach/method of, 11–12
autoload.php, 52–53
benefits to use, 10
codeigniter folder, contents of, 48
config.php options, 50–51
controllers, 14–16, 68–70
custom folders, placement of, 47
database.php, 50–51
database tables, 64–65
downloading, 45–46
file structure, 47–48
helpers, 12, 60–64
libraries, 53–60
models, 13–15, 65–67
routes.php, 53
security, 268
sessions data, storage of, 59
system/application folder, 49

system/folder, 48–49
template parser, 18–22
uploading files, 74
views, 15–18, 70–74

color(s)

hover state, 136
navigation links, 136
security, 275

color of products

admin screens for, 213–220
checkboxes for, 225–230
delete reference to, 211
guidelines, 210
information, displaying on public pages, 230–232
links, global navigation view, 219
on main dashboard, 219–223
model, creating, 211
table, creating, 210–211

comma-separated values (CSV)

CSVReader, 197–204
importing/exporting data, 194–196

compression

non-GZIP browsers, 288
output, 287–288
unzip utilities, 46

config.php, 50–51

configuration

config folder, contents of, 49
Config library, functions of, 54
config.php options, 50–51
configuration setting, printing, 63
custom files, autoloading, 53

contact, 249

controller(s)

administrative, 149
batch mode operations, 190–193
controllers folder, contents of, 49
creating, 14–16
fat/thin, 9
folders for organizing, 148–149
functions of, 5–6, 14, 68
index, 69
initial use of, 68–69
modifying, 19
newsletter tool, 254
placeholders, 148
products, 99–100
reassignment, 207
search, 102
security, 282–285

shopping cart, 109–111
viewing, 15–16
Welcome, updating, 249–250

cookies

compatibility, checking, 306
Cookie helper, functions of, 60
security issue, 60
sessions data, storage of, 59
for shopping cart items, 38

count, 192, 282

count_all_results, 265

create, 162–163, 170, 180, 241

createColor, 212, 213–214

createProduct, 227

createSubscriber, 252, 265

CSS, 127–142

add to cart, adding links, 137–138
for administrative panel, 155–158
file, creating, 71–72
file, purpose of, 72
header files, 130–133
side navigation, reworking, 133–137
thumbnails cleanup, 138–142
updating, 127–130

csv_from_result, 195

csv2db, 203

CSVReader library, 197–204

data, extracting from, 200–203
functions of, 198
location on Web, 197–198
security, 279–281
uploading, 198–200

currency, number formatting, 300

D

dashboard, 145–186

administrative, 147–160
batch mode operations, 189–194
category management tools, 160–169
importing/exporting, 194–204
product home page, 169–170
product management tools, 169–178
user management tools, 178–186

dashboard.php, 148
database
 connection variables, 50–51
 database folder, contents of, 48
 Database library, 55–59
 Database Utility Class (dbutil), 194–195
 drivers, location of, 48
 management, utility for, 194–195
 phpMyAdmin, 84
 sessions data, storage of, 59
 types supported by
 CodeIgniter, 51
 See *also* database tables
Database library, 55–59
 Active Record patterns, using, 57–59
 functions of, 54, 55
 SQL queries in, 55–57
database.php, 50–51
database tables
 Active Record patterns, using, 57–59
 categories table, 35, 64
 colors table, 210–211
 model, extracting information from, 14
 on model per table, 65
 newsletter tool, 251
 page manager, 237
 products table, 35, 64–65
 sizes table, 210–211
Date helper, functions of, 60
db_clean, 270, 273
dbutil (Database Utility Class), 194–195
debugging, 304–305
delete, 168, 177, 184, 241
delete
 admin delete function, 184
 admin/pages function, 240–241
 category, 167–169, 207
 color of products, 213–214
 product, 177–178
 security, 277
 Shopping Cart item, 120–124
deleteCategory, 168, 207
deleteColor, 213–214
deletePage, 240, 241
deleteProduct, 177–178

digital signatures, 303
directory_map, 60
Directory helper, functions of, 60
do_upload, 172
dohash, 185, 268, 272–273
Download helper, functions of, 61
dropdowns, creating, 62
dummy data, source for, 84

E

eCommerce site, 29–42
 accessibility/usability factors, 37–40
 administrative tool
 requirements, 145–146
 Agile approach example, 29–42
 categories model, 65–66
 categories table, 35
 category views, 31–33, 93–97
 checkout, 297–304
 client input, 29–42, 125–130, 145–147, 204–206, 235–236, 265–266
 color of products, 210–232
 controllers, 68–70
 cookies, compatibility, 306
 CSS, updating, 127–142
 dashboard, 145–186
 debugging, 304–305
 home page, 37, 81–92
 JavaScript compatibility, 305–306
 logo, 127
 main destinations for, 68
 main featured product, 82
 master template, 72–74
 mockups, 30–34
 newsletter tool, 250–265
 page manager, 237–250
 performance, 286–293
 product detail views, 33–34
 products model, 67
 products table, 35
 random products, 83–84
 related items, 33–34
 search, 101–103
 search results page, 37–38
 security, 267–286
 shopping cart, 39–40
 Shopping Cart, 107–141

sizes, 210–212, 225–232
 vendors, Google Checkout, 301–303
 See *also* individual topics
edit, 165, 174, 183, 191, 241, 283–285
edit
 edit category view, 165–167
 page manager view, 246–247
 product edit page, 174–177
 user edit page, 183–184
elapsed_time, 291–292
email
 duplicate addresses, removing, 265
 form, send to all users, 257–260
 library, functions of, 54
 POST data issues, 260–262
 send email function, 257–258, 260–261
 send email link, 255–257
 subject line/message of email, storing, 262–264
emoticons, 61
encryption
 Encryption library, functions of, 54
 key, safeguarding, 51, 185
 of sessions, 51, 285
error blocks, PHP, 77–81
errors folder, contents of, 49
explode, 276
export, 195, 197
exportCsv, 194–197

F

fat controllers, 9
fetchHomePage, 14, 15, 17
File helper, functions of, 61
File Uploading library, functions of, 54
flashdata, 192
folder(s)
 CodeIgniter, listing of, 47–49
 controllers, organizing in, 148–149
 custom, placement of, 47
 libraries folders, 48, 49
fonts folder, contents of, 48

footer files

for administrative panel, 155
creating, 74
links in, 74

force_download, 61, 195, 197

form(s)

for batch mode process,
189–194
dropdowns, 62
email, send to all users,
257–260
fields, adding, 62
Form helper, 61–63
header files, creating, 73
newsletter tool, 253–254
opening, 62
Submit button, 63

form_checkbox, 62

form_close, 63, 73, 173

form_hidden, 62

form_input, 62, 63, 114, 164

form_open, 62, 73

form_open_multipart, 172

form_password, 62

form_radio, 62

form_submit, 63, 73, 164, 173

form_textarea, 62

form_upload, 62, 173

format_currency, 300

from, 58

FTP library, functions of, 54

G

getActiveColors, 215, 225

getActiveSizes, 225

getAllCategories, 78–79, 161

getAllColors, 213–214

getAllPages, 239–240, 243

getAllProducts, 82

getAllSubscribers, 260

getAllUsers, 180

GET array, 268

getAssignedColors, 227

getAssignedSizes, 227–228

getCategoryDropDown, 171

**getCategoriesNav, 79–80,
89–90, 133**

getCategory, 91

getColor, 213–214, 275

getMainFeature, 82–83

getPage, 238, 277

getPagePath, 238, 277

getProduct, 82, 100, 277, 282

getProductsByGroup, 99

getRandomProduct, 82–83

getSubCategories, 92, 95

**getTopCategories, 162–163,
166**

getUser, 269

getwhere, 14

global navigation

global navigation, updating,
130–132
rules, setting, 131–132

Google Checkout

checkout integration with, 297,
301–303
security safeguards, 303

grouping, products, 98

H

header files

for administrative panel, 155
creating, 73
CSS, updating, 130–133
forms, 73
links in, 73
page manager, 242
for thumbnails, 138

helpers, 60–64

autoloading, 52, 60
Form helper, 62–63
functions of, 60, 61
helpers folder, contents of, 48
listing of, 60–61
compared to plugins, 49
URL helper, 63–64

home page(s), 81–92

accessing, events of, 69–70
for administrative panel,
153–160
categories home page,
160–161
components of, 69–70
detecting home page, 130
fetchHomePage, 14, 15, 17
index, 15
main feature product, 82
mockups, 31, 81
model functions, using, 84–85
new model functions, creating, 92
page manager, 243–244

product categories, displaying,
89–92

redirect back to, 93

sidebar, random products in,
83–84

thumbnails, updating, 139

user home page, 180

values, setting, 50

view, creating, 85–88

hooks folder, contents of, 49

hover state, color for, 136

.htaccess file, 47–48

HTML

display table, creating, 114
HTML helper, functions of, 61
HTML library, functions of, 54
tags, line breaks converted to,
20–21
views, 16

I

ID

admins table, 150–152
category ID, 91–92,
192–193, 206
database tables, 251
product ID, 100, 109–111,
117–118, 122–123, 192

id_clean, 270, 276, 282, 298

**Image Manipulation library,
functions of, 54**

implode, 193

import, 200–203, 280

importCsv, 199–200, 280

importing/exporting, 194–204

categories export function,
194–196

comma-separated values (CSV),
194–196

CSVReader import library,
installing, 197–204

products export function,
196–197

in_array, 281

index

for administrative panel, 153
category home page, 160–162
colors admin screen, 212
controller, creating for, 69
home page, 15
parser library, loading, 19

product home page, 169
user home page, 180

index.php, 47

home page values, 50

Inflector helper, functions of, 61

Input and Security library, functions of, 54

insert, 58, 265

intval, 270

J

JavaScript

compatibility, checking, 305–306
Shopping Cart, 117–118, 122–123

jsRemoveProduct, 122–123

jsUpdateCart, 117, 123

L

language folder, contents of, 48

Language library, functions of, 54

libraries, 53–60

autoloading, 52
CVSReader library, 197–204
Database library, 55–59
folders, contents of, 48
functions of, 53
libraries folders, contents of, 49
listing of, 54–55
loading, 198
rules for use, 198
Session library, 59–60

license agreement, 47

like, 58

line breaks, converted to HTML tags, 20–21

link(s)

add to cart, 137–138
color for, 136
in footer files, 74
in header files, 73
portable links, creating, 63

list_fields, 280

Loader library, functions of, 54

login, 149–153

admin database for, 149–150
model, connecting to, 150–151

verify function, 151
view, 151–152

logo, uploading, 127

logout, 158

logout function, administrative dashboard, 159–160

logs folder, contents of, 48

M

magic_quotes_runtime directive, 268

master template, creating, 72–74

memory_usage, 291

message class, creating, 112

mockups, examples of, 30–34

mod_rewrite, 48

model(s)

adding functions to, 13–15
autoloading, 53, 67
CakePHP, 10–11
categories model, 65–66
colors model, 211
functions of, 5–6, 13
methods, accessing, 15
models folder, contents of, 49
naming, 65
newsletter tool, 251
page manager, 238–240
products model, 67
sizes model, 212
structure of, 13–14

Model-View-Controller (MVC)

benefits to use, 6–7
controller in, 5–6
development of, 7–9
frameworks. See CakePHP; CodeIgniter; Symfony
models in, 5–6
compared to PHP, 4–5
views in, 5–6

MVC. See Model-View-Controller (MVC)

N

n12br, 20–21

navigation

category navigation file, creating, 74
color, links, 136

global navigation, updating, 130–132
navigation.php, 74
side navigation, updating, 133–137

newsletter tool, 250–265

controller, simple, 254
duplicate email addresses, removing, 265
form for, 253–254
model for, 251
navigation, updating, 256–257
send e-mail function, 257–258
subject line/message of email, storing, 262–264
subscribe function, 251–253
subscriber home page view, 255–256
table for, 251
TinyMCE editor, 259–260
unsubscribe function, 261–262
WYSIWYG editor, 259–260

num_rows, 14, 56

number_format, 300, 306

O

order by rand, 82

orders, security, 276, 303

output, compression, 287–288

Output library, functions of, 54

P

p_id, 192

page manager, 237–250

administrative views, 242–243
admin/pages controller, 240–241
create page view, 244–246
edit page view, 246–247
home page view, 243–244
model for, 238–240
table for, 237
Welcome controller, updating, 249–250
WYSIWYG editor, 248

pages, 249

Pagination library, functions of, 54

parseFile, 199, 280

parser library

loading, 19

See also template parser

password(s)

of admins table, 150

fields, creating, 62

securing, 184–186, 272–273

path, page manager table, 237–238

PayPal, 297

PayPro Flow, 297

performance, 286–293

benchmarking, 290–293

profiling, 286–290

PHP

error blocks, 77–81

limitations of, 2–4

compared to MVC, 4–5

projects, components of, 1–2

security, information

resources, 286

phpMyAdmin, 84, 150

placeholder(s), controllers for, 148

plugin(s)

autoloading, 52

compared to helpers, 49

plugins folder, contents of, 49

Post-Agilism, 25

POST data, email, 260–262

print_r, 17, 85, 134

privacy, 249

product(s), 34–35

admin/products controller, 149

color/size checkboxes, 225–230

colors/sized, reworking, 210

controller function, 99–100

detail views. See product detail views

elements of, 34–35

export function for, 196–197

grouping, 98

main featured product, 82

management tools. See product management tools

mockups, 98

model, 67, 99

new products, adding, 304–305

product backlog. See product backlog

product ID, 100, 109–111,

117–118, 122–123, 192

random products, 83–84

reassigning, 206–209

search function, 101–103

security, 277–278

sizes, reworking, 210

table, creating, 35, 64–65

view, creating, 98–101

See also specific topics

product, 282

product backlog

creating, 35–36, 40–42

defined, 26–27

requirements for site, 41

product detail views

creating, 100–101

mockups, 33–34

related items, 33–34

thumbnails, updating, 140–141

product management tools

product create page, 170–174

product delete function,

177–178

product edit page, 174–177

product index page, creating,

169–170

product owners, defined, 26

products.php, 148

profiling, 286–290

caching, 288–290

output compression, 287–288

turning off, 290

turning on, 286–287

prototype mockups, creating, 30–34

R

radio buttons, creating, 62–63

random_element, 60

random_string, 61

reassign, 207

reassignment, of products, 206–209

reassignProducts, 207–209

redirect, 64

redirect(s)

creating, 64

to home page, 93

refresh, 64

related items, product details page, 33–34

removeLineItem, 123, 276

removeSubscriber, 262

result, 14, 56

results_array, 56

retrospective, defined, 26

routes.php, functions of, 53

row, 20, 56

row_array, 14, 17, 20, 56

Ruby on Rails, 9

S

safe_mailto, 61

Scrum, 26–28

modifying, 28–29

project components, 26–27

ScrumMaster, role of, 26–28

search, 101–102

searching, 101–103

controller function, 102

for products, 101–103

SQL LIKE, 58

thumbnails, updating, 141

view, creating, 102–103

wildcard matching, 102

search results page, mockups, 37–38

security, 267–286, 268–272

admin screens, 268–272

categories, 273–274

CodeIgniter built-in processes, 268

colors, 275

cookies, session data in, 60

CSV import library, 279–281

digital signatures, 303

encryption, 285

exceptions and controllers, 282–285

information sources on, 286

insert/update/delete

functions, 277

orders, 276

passwords, securing, 184–186, 272–273

products, 277–278

and query binding, 57

Security helper, functions of, 61

shopping cart communications, 303

sizes, 278–279

- subscribers, 279
- user input, filtering, 268
- XSS filtering, 51
- select, 57**
- sendmail, 255–257, 262**
- session(s)**
 - encryption, 51, 285
 - library, functions of, 59–60
 - Session library, functions of, 54
- session_start, 148**
- set_flashdata, 110**
- Shopping Cart, 107–141**
 - add to cart, adding links, 137–138
 - checkout process, 297–304
 - controller function, 109–111
 - cookies, use of, 38
 - delete item, 120–124
 - display table, creating, 114–116
 - initializing session, 109
 - JavaScript functions, 117–118, 122–123
 - mockups, 39–40
 - model, updating, 123
 - products, adding to cart, 109–113
 - recalculate, 40
 - security, 276
 - status message, 108
 - template, updating, 117
 - updating, 116–120
 - view, source code for, 296–297
 - view cart, 108, 113–114
- showMessage, 117, 123**
- sidebar(s)**
 - in layout, 86–89
 - random products in, 83–84
- side navigation, updating, 133–137**
- SimpleTemplate, 19**
- singular, 61**
- sizes**
 - admin screens for, 220–221
 - checkboxes for, 225–230
 - delete reference to, 211
 - guidelines, 210
 - information, displaying on public pages, 230–232
 - model, creating, 212
 - security, 278–279
 - table, creating, 210–211
- Smalltalk, 7–8**
- SMARTY, 12**
 - templates, 18–19
- Smiley helper, functions of, 61**
- sprint(s), defined, 26**
- sprint backlogs**
 - creating, 147
 - defined, 26–27
 - initial, creating, 42
 - updating, 104, 124–126, 186, 232–233
- SQL queries**
 - in Database library, 55–57
 - query binding, 57
 - SQL LIKE, 58
- status message, Shopping Cart, 108**
- String helper, functions of, 61**
- subcategories**
 - listing in category view, 32
 - mockups, 94
 - retrieving, function for, 92
- Submit button, creating, 63**
- subscribe, 252–253**
- subscribe function**
 - functions related to, 279
 - newsletter, 251–253
 - security, 279
- substr, 61, 186, 270, 273**
- switch, 96**
- Symfony, 9–12**
 - approach/method of, 11
 - benefits to use, 10
 - tools, 12
- system/application folder, contents of, 49**
- system/folder, contents of, 48–49**
- T**
- tables. See database tables**
- tab-separated values (TSV), importing/exporting data, 194**
- template(s)**
 - benefits to use, 18–19
 - master template, creating, 72–74
 - SMARTY, 18–19
- template parser, 18–22**
 - bodycopy functionality, 20–21
 - controller, modifying for, 19
 - functions of, 55
 - third-party templates with, 19
 - view, modifying for, 20
- Text helper, functions of, 61**
- thin controllers, 9**
- thumbnails**
 - CSS, updating, 138–142
 - header level for, 138
- TinyButStrong, 19**
- TinyMCE, 237**
 - downloading, 248
 - integrating in newsletter, 259–260
 - integrating in page manager, 248–249
- Trackback library, functions of, 55**
- Typography, 20–21**
 - Typography helper, functions of, 61
- U**
- ul, 61**
- Unit Testing library, functions of, 55**
- unset, 123**
- unsubscribe, 262**
- unsubscribe function, email, 261–262**
- updateCart, 110, 276**
- updateCartAjax, 118–119, 276**
- updateCategory, 166**
- updateColor, 213–214**
- updatePage, 239**
- updateProduct, 175, 211, 304–305**
- updateSubscriber, 279**
- updateUser, 183, 185, 269, 272**
- updating**
 - categories, 166
 - colors of products, 213–214
 - new products, adding, 304–305
 - security, 277
 - Shopping Cart, 110, 116–120
 - subscribers, 279
- uploading, during initial setup, 74**
- URI**
 - allowable characters, 268
 - Class library, functions of, 55

URI (continued)

requests, remapping requests
to controllers, 53
segments, grabbing, 91–92

URL

config.php, placement of, 50
friendly URL (FURL), 245

URL helper, 63–64

configuration setting,
printing, 63
functions of, 61
portable links, creating, 63
redirects, 64

usability

defined, 37
site factors, 37–40

User Agent library,

functions of, 55

userdata, 59–60

user ID, admins table, 150–152

user management tools, 178–186

admin delete function, 184
home page, 180
passwords, securing, 184–185
user create page, 181–182
user edit page, 183–184

UTF-8 charset declaration, 16

V

Validation library, functions of, 55

verify, 151

verifyCart, 299

verifyUser, 151, 178, 185, 268, 272

view(s), 70–74

administrative panel home
page, 158–159
CakePHP, 12
categories, 93–97
category navigation file, 74
CodeIgniter, 12
components of, 70
controllers, viewing, 15–16
creating, 16–18
CSS file, 71–72
display table, Shopping Cart,
114–116
footer files, 74
functions of, 5–6
header files, 73
home page, 85–88
loading, 15
login, 151–152
master template, 72–74
mockups, 70
modifying, 20
new category form,
162–165
newsletter tool, 255–258
page manager, 242–247
preliminary steps, 69
products, 98–101
search, 102–103
Symfony, 12
views folder, contents of, 49

W

Welcome controller

checkout, adding, 298
updating, 249–250

where, 58

wildcard(s), product search, 102

word_limiter, 61

WYSIWYG editor

newsletter tool, 259–260
page manager, 248
TinyMCE tool, 248–249,
259–260

X

xcc_clean, 269–270

Xinha, 237

xml_convert, 61

XML API, 303

XML helper, functions of, 61

XML-RPC library, functions of, 55

XP (extreme programming)

elements of, 28
modifying, 28–29

xss_clean, 61

XSS filtering, setting, 51

Z

Zip Encoding library, functions of, 55