

# Index

## A

**AATOS (Acts as Taggable On Steroids), installing, 132**  
**ActAsReviewableGenerator class, 398**  
**action caching, 362**  
**ActiveCalendar, 270**  
**ActiveRecord, 158**  
 callback feature, 173–174  
 class names, 158  
 MySQL and, 356–357  
 :polymorphic option, 175–176  
 table names, 158  
 test setup, 407–410  
 translations and, 279–281  
**ActiveResource, 241–242**  
 client script, 243–244  
 copy operations, 245  
 deletions, 245  
 find, 244  
 rails:edge:freeze, 242  
 updates, 245  
**ActiveWebService, 241**  
**acts\_as\_ferret method, 147**  
**acts\_as\_reviewable plugin, 383–385**  
**acts\_as\_taggable method, 133**  
**after\_save method, 173**  
**ago method, 272**  
**Ajax, in-place editing, 34**  
**alert method, 233**  
**alias keyword, 381**  
**alias method, 381**  
**Apache, Mongrel load balancing and, 333–334**  
**APIs (application program interface), tags, 133–134**  
**applications, starting points, 2**  
**Aptana plug-in, 444**  
**ARTS plugin, 235–236**  
**asserting HTML, 23–25**  
 creation, 31–34  
**assert\_parse method, 26**  
**assert\_select, 23–25**  
**assign method, 233**  
**associations, data hijacking prevention, 178–179**  
**Atom Feed Helper, 250–253**  
**attachment\_fu plugin, 288–296**  
 data setup, 289  
 forms, 293–294  
 has\_attachment method, 290  
 images, displaying, 294–296  
 testing, 291–293  
**authentication**  
 controller, 72–74

routes.rb, 71  
 tests, 71–72  
 using, 76–78  
 views and, 74–76

**autocomplete, JavaScript and, 228–229**  
**auto\_complete\_for method, 229**  
**automation, 103**

## B

**BDD (Behavior-Driven Design), 193**  
**before\_filter method, 19**  
**before\_save method, 174**  
**Behaviors gem, 205–206**  
**benchmarks, Railsbench, 340–344**  
**bindings, 368–370**  
 Proc object, 368  
**block helpers, 77**  
**Bloglines, 241**  
**bots, 80**  
 CAPTCHA, 86–94  
 protection  
 authorization email, 84–86  
 controller logic, 83  
 token model, 80–81  
**bottlenecks, 338**  
**branches directory, 42**  
**builder templates, XML, 248–249**  
**Builder::XmlMarkup, 248**

## C

**caching, 360–361**  
 action caching, 362  
 expiration, 364  
 fragment caching, 362–363  
 page caching, 361–362  
 storage, 364  
 tags, 134–135  
**CakePHP, 445**  
**calendars, 270–271**  
**call method, 233**  
**Camping, 445–446**  
**can\_edit\_ingredient method, 220**  
**Capistrano**  
 dependencies, creating, 324  
 deployment  
 basic, 316–318  
 clustered deployment, 329–333  
 multistage, 325

## Capistrano (continued)

- installing, 314
- introduction, 313–314
- SSH and, 314
- tasks, 318–320
  - writing, 322–323
- variables, 320–321

## CAPTCHA (Completely Automated Public Turing test to tell Computers and Humans Apart), 86–94

### charts

- RMagick, Gruff, 306–309
- Sparklines, 309–311

### classes

- ActAsReviewableGenerator, 398
- DateTime, 262
- FileList, 112
- FormBuilder, 64
- metaprogramming, 373–375
- Time, 262
- TimeZone, 264
- TzinfoTimezone, 264
- TzTime, 265

### class\_eval method, 370

### commands

- generators, 399–400
- rake, 17
- revert, 44
- svn commit, 46–47
- svn mkdir, 42
- svnadmin create, 42
- svnserve, 50–52

### consuming web services, 257–259

### controller object

- before\_filter method, 19
- testing, 19–20

### controllers

- authentication, 72–74
- create method, 13–14
- delete method, 14–15
- edit method, 13
- index method, 11–12
- new method, 13
- show method, 12
- update method, 14

### cookies

- life cycle, 97–98
- login, validation, 98–100
- persistent login cookies, 94
- persistent login mechanism, 95–97

### create method, 13–14

### created\_at, 263

### cross-site scripting security, 237–238

### CRUD (Create, Read, Update, Delete), 4

### CruiseControl.rb, 120–123

## D

### data hijacking, preventing, associations and, 178–179

### databases

- downloading, 443
- flat databases, 170

hierarchical databases, 170

indexing, 360

legacy, 156–157

relational databases, 170

normalization, 170

sessions

ActiveRecord store, 354–355

SQLSessionStore, 355–356

setup, 17

tz, 264

### date and time, 262

ago method, 272

date arithmetic, 271–273

distance\_of\_time\_in\_words method, 271

DST (daylight savings time), 263

duration helpers, 271–272

from\_now method, 272

GMT (Greenwich Mean Time), 263

inputting dates, 266

text input, 268–269

time zones, 266–268

JavaScript calendars, 270–271

outputting dates, 271–273

string formats, 272–273

time zones, 263–266

time\_ago\_in\_words, 271

timestamps, 263–266

TimeZone class, 264

TzinfoTimezone class, 264

TzTime class, 265

UTC (Coordinated Universal Time), 263

### DateTime class, 262

### db:abort\_if\_pending\_migrations, 105

### db:charset, 106

### db:collation, 106

### db:create, 105

### db:create:all, 105

### db:drop, 105

### db:fixtures:identify, 105

### db:fixtures:load, 105

### db:migrate, 105

### db:migrate:redo, 105

### db:migrate:reset, 105

### db:reset, 105

### db:rollback, 105

### db:schema:dump, 105

### db:schema:load, 105

### db:sessions:clear, 106

### db:sessions:create, 106

### db:structure:dump, 105

### db:test:clone, 106

### db:test:clone\_structure, 106

### db:test:prepare, 106

### db:test:purge, 106

### db:version, 106

### delete method, 14–15, 238

### deployment, 313

Capistrano and, 313–316

basic deployment, 316–318

hot deployment, 317

Mongrel, 326–328

basic deployment, 328–329

- clustered deployment, 329–333
- multistage, 325
- desc method, 112**
- distance\_of\_time\_in\_words method, 271**
- Django, 446**
- doc:app, 107**
- doc:clobber\_app, 107**
- doc:clobber\_plugins, 107**
- doc:clobber\_rails, 107**
- doc:plugins, 107**
- doc:rails, 107**
- doc:reapp, 107**
- doc:rereails, 107**
- DOM, elements, selecting, 233**
- downloads**
  - databases, 443
  - installers, 444
  - Mongrel, 443
  - platform notes
    - Linux, 441
    - Mac OS X, 441–442
    - Windows, 442
  - Rails, 442–443
  - Ruby, 442
  - Subversion, 443
  - text editors, 444
- DRY (Don't Repeat Yourself), 77**
- DSL (domain-specific language), 112**
- DST (daylight savings time), 263**
- duck punching, 378–385**

## E

- E text editor, 444**
- Eclipse, 444**
- Edge Rails, 53–55**
  - rake, 55–56
- edit method, 13**
- editing, in-place, 34**
- Emacs, 444**
- encrypted passwords, storing, 67–70**
- ERB, replacements**
  - Haml, 422–427
  - Liquid, 427–431
  - Markaby, 418–421
- .erb files, 215**
- eval method, 368–370**
- :except option, 247**
- executable files, marking, 46**

## F

- Ferret**
  - fields, 148–149
  - installation, 146–147
  - search results, 150–151
- FileList class, 112**
- fixture\_file\_upload method, 292**
- fixtures method, 160–163**
- FixtureScenario plugin, 206–207**

- FixtureScenarioBuilder plugin, 206–207**
- flat databases, 170**
- FlexMock, 187–189**
  - expectations, 191–192
  - stubs, 189–191
- foreign keys, 164**
- FormBuilder, refactoring forms, 64–67**
- FormBuilder class, 64**
- form\_for method, 15**
- forms**
  - attachment\_fu plugin, 293–294
  - refactoring, FormBuilder, 64–67
  - user creation form, 60–64
- fragment caching, 362–363**
- frameworks**
  - CakePHP, 445
  - Camping, 445–446
  - Django, 446
  - Grails, 446
  - Merb, 446–447
  - TurboGears, 447
- Freemage, 286**
- from\_now method, 272**

## G

- generators**
  - ActAsReviewableGenerator class, 398
  - basic functionality, 396–398
  - commands, 399–400
  - manifest method, 398–400
  - testing, 400–402
    - GeneratorTestHelper, 404–406
    - migration templates, 406
    - writing test, 402–404
- GlassFish, 439**
- Globalize plugin, 274–275**
  - localize method, 275–276
  - translations, 276–278
    - displaying, 278–279
- GMT (Greenwich Mean Time), 263**
- Google Reader, 241**
- Grails, 446**
- graphics**
  - files, uploading, 288–296
  - library
    - ImageScience, 296–297
    - MiniMagick, 303–306
    - RMagick, 297–303
- graphics packages, RMagick, 286**
- GraphicsMagick, 285, 286**
- Gregorian calendar, 262**
- Gruff, 306–309**

## H

- Haml, 422–427**
- has\_attachment method, 290**
- helper methods, block helpers, 77**
- helpers, testing, 207–209**

# hide method

---

**hide method, 233**  
**hierarchical databases, 170**  
**hot deployment, 317**  
**HTML (Hypertext Markup Language), asserting, 23–25**

## I

**ImageMagick, 285, 286**  
installation  
  Mac OS X, 287  
  Windows, 286  
**images**  
  displaying, attachment\_fu, 294–296  
  uploading, 288–296  
**ImageScience, 285**  
  FreedImage, 286  
  graphics library, 296–297  
  with\_image method, 296  
**in-place editing, 34**  
  JavaScript and, 226–228  
**index method, 11–12, 250**  
**indexing database, 360**  
**IngredientParser class, 27**  
**ingredient.user method, 221**  
**installers, 444**  
**Instant Rails, 444**  
**internationalization, 273**  
  tracking routes, 281–282  
**introspection**  
  metaprogramming and, 370  
  methods, 371–373

## J

**JavaScript**  
  autocomplete, 228–229  
  calendars, 270–271  
  DRY violations, fixing, 213–217  
  in-place editing, 226–228  
  tooltips, 222–226  
  writing, RJS example, 230–232  
**JDN (Julian day number), 262**  
**jEdit, 444**  
**JRails, running, 435–437**  
**JRuby on JRails, 431**  
**JSON (JavaScript Object Notation), 241**  
  producing, 256–257  
**Julian day number, 262**

## L

**legacy databases, 156–157**  
  testing, fixtures method, 160–163  
**lightboxing, RJS, 234–235**  
**link\_to method, 15**  
**link\_to\_remote method, 217, 219**  
**link\_to\_unless\_current method, 125**

**Liquid, 427–431**  
**localization, 273**  
**localize method, 275–276**  
**localtime method, 263**  
**Locomotive, 444**  
**log:clear, 109**  
**login**  
  cookies, validation, 98–100  
  persistent login cookies, 94  
  persistent login mechanism, 95–97  
**logs, performance and, 345–346**

## M

**manifest method, 398–400**  
**Markaby**  
  standalone, 420–421  
  template files, 418–420  
**menus**  
  object cache, 130–131  
  single-level, 125–130  
  YAML files, 128  
**Merb, 446–447**  
**merge feature of YAML, 156–157**  
**metaprogramming**  
  classes, 373–375  
  duck punching, 378–385  
  introduction, 367  
  introspection and, 370  
  methods, defining dynamically, 387–389  
  monkey patching, 378–385  
  objects, 373–375  
  singletons, 375–378  
**method timings, ruby-prof, 346–352**  
**method\_eval method, 370**  
**method\_missing method, 248**  
**methods**  
  acts\_as\_ferret, 147  
  acts\_as\_taggable, 133  
  after\_save, 173  
  ago, 272  
  alert, 233  
  alias, 381  
  assert\_parse, 26  
  assign, 233  
  auto\_complete\_for, 229  
  before\_filter, 19  
  before\_save, 174  
  call, 233  
  can\_edit\_ingredient, 220  
  class\_eval, 370  
  create, 13–14  
  defining dynamically, 387–389  
  delete, 14–15, 238  
  desc, 112  
  distance\_of\_time\_in\_words, 271  
  edit, 13  
  eval, 368–370  
  fixture\_file\_upload, 292

- fixtures, 160–163
- form\_for, 15
- from\_now, 272
- has\_attachment, 290
- index, 11–12, 250
- ingredient.user, 221
- introspective, 371–373
- link\_to, 15
- link\_to\_remote, 217, 219
- link\_to\_unless\_current, 125
- localize, 275–276
- localtime, 263
- manifest, 398–400
- method\_eval, 370
- method\_missing, 248
- missing, 386–387
- new, 13
- paginate, 152
- parse, 27
- render :xml, 246
- replace\_html, 232
- respond\_to, 11–12
- returning, 254–255
- sanitize, 237
- select, 233
- show, 12
- span\_for, 214
- super, 247
- time\_ago\_in\_words, 271
- timestamps, 8
- time\_zone\_select, 266–267
- to\_date, 262
- toggle, 233
- to\_time, 262
- to\_xml, 246
- unit, 28
- update, 14, 219
- utc, 263
- validates\_as\_attachment, 291
- visual\_effect, 233
- with\_image, 296
- zone\_names, 267–268
- migrations, 7–8**
- MiniMagick, 285, 286**
  - graphics library, 303–306
  - installation
    - Mac OS X, 287
    - Windows, 286
- missing methods, 386–387**
- mock object testing, 187**
  - FlexMock, 187–189
    - expectations, 191–192
    - stubs, 189–191
- Mongrel**
  - Apache and, 333–334
  - deployment, 326–328
    - basic deployment, 328–329
    - clustered deployment, 329–333
  - downloading, 443
- monkey patching, 378–385**

- multistage deployment, 325**
- MySQL, 17**

## N

- nested routes, 9–10**
- NetBeans, 444**
- network protocols, REST and, 4–5**
- new method, 13**

## O

- object cache, menus, 130–131**
- objects, metaprogramming, 373–375**
- OOP (object-oriented programming), REST and, 4**

## P

- page caching, 361–362**
- paginate method, 152**
- paginating\_find plugin, 153**
- pagination**
  - paginating\_find plugin, 153
  - will\_paginate plugin, 152
- parse method, 27**
- parsing, 25–29**
- passwords, encrypted, storing, 67–70**
- performance**
  - fixing problems, 352–353
  - logs, 345–346
  - measurement, 337
    - Railsbench, 338–344
  - session management
    - ActiveRecord store, 354–355
    - cookie-based sessions, 353–354
    - SQLSessionStore, 355–356
- PHP, CakePHP, 445**
- plugins**
  - ActiveCalendar, 270
  - acts\_as\_reviewable, 383–385
  - ARTS, 235–236
  - attachment\_fu, 288–296
    - creating, 394–396
    - distributing, 414
  - FixtureScenario, 206–207
  - FixtureScenarioBuilder, 206–207
  - Globalize, 274–275
  - installing, 391–392
  - listing, 393
  - paginating\_find, 153
  - rails\_rcov, 183–184
  - repositories, 392–394
  - Shoulda, 205–206
  - view\_test, 204–205
  - will\_paginate, 152
  - writing
    - ActiveRecord test setup, 407–410
    - acts\_as\_reviewable plugin, 410–414

**POSIX (Portable Operating System Interface) shell,**  
**Capistrano and, 314**  
**Proc object, bindings, 368**  
**profiling, 350–352**  
**Prototip, 222–226**

## R

**RadRails, 444**  
**Rails, versions, 53–55**  
rake command, 55–56  
**Railsbench, setup, 338–340**  
**rails:edge:freeze, 242**  
**rails:freeze:edge, 109**  
**rails:freeze:gems, 109**  
**rails\_rcov plugin, 183–184**  
**rails:unfreeze, 109**  
**rails:update, 110**  
**rails:update:configs, 110**  
**rails:update:javascript, 110**  
**rails:update:scripts, 110**  
**Rake, 103**  
capabilities of, 104–111  
cleanup tasks, 108–109  
database tasks, 104–106  
db:charset, 106  
db:collation, 106  
db:sessions:clear, 106  
db:sessions:create, 106  
db:test:clone, 106  
db:test:clone\_structure, 106  
db:test:prepare, 106  
db:test:purge, 106  
db:version, 106  
management, 106  
output, 106  
sessions, 106  
db:abort\_if\_pending\_migrations, 105  
db:create, 105  
db:create:all, 105  
db:drop, 105  
db:fixtures:identify, 105  
db:fixtures:load, 105  
db:migrate, 105  
db:migrate:redo, 105  
db:migrate:reset, 105  
db:reset, 105  
db:rollback, 105  
db:schema:dump, 105  
db:schema:load, 105  
db:structure:dump, 105  
doc:app, 107  
doc:clobber\_app, 107  
doc:clobber\_plugins, 107  
doc:clobber\_rails, 107  
doc:plugins, 107  
doc:rails, 107  
doc:reapp, 107  
doc:rereails, 107  
documentation tasks, 107  
log:clear, 109  
notes, 110  
notes:fixme, 110  
notes:optimize, 110  
notes:todo, 110  
Rails in, 116–117  
Rails tasks, 109–110  
rails:freeze:edge, 109  
rails:freeze:gems, 109  
rails:unfreeze, 109  
rails:update, 110  
rails:update:configs, 110  
rails:update:javascript, 110  
rails:update:scripts, 110  
routes, 110  
stats, 110–111  
tasks, 111–112  
dependencies, 113–115  
file tasks, 115–116  
legacy database testing, 160  
testing, 117–119  
test, 108  
test:coverage, 185  
test:coverage:clean, 185  
test:functionals, 108  
testing tasks, 107–108  
test:integration, 108  
test:plugins, 108  
test:recent, 108  
test:uncommitted, 108  
test:units, 108  
tmp:cache:clear, 109  
tmp:clear, 109  
tmp:create, 109  
tmp:pids:clear, 109  
tmp:sessions:clear, 109  
tmp:sockets:clear, 109  
**rake command, 17**  
Rails version, 55–56  
RDoc, 56–58  
**rcov**  
installing, 183–184  
tasks, 184  
**RDoc, rake and, 56–58**  
**recipe input form, 22**  
**redirect\_to\_recipe variable, 221**  
**refactoring forms, FormBuilder, 64–67**  
**relational databases, 170**  
normalization, 170  
**relationships**  
functionality, 165–166  
multiple databases, 165–170  
proxy model, 167  
accessors, 168–169  
**remote\_edit, 35**  
**remote\_update, 35**  
**render :xml method, 246**  
**replace\_html method, 232**  
**replacement tools**  
ERB, 417–431  
JRuby on JRails, 431–439

**repositories**

- adding files, 43–44
- changes, committing, 46–47
- checking out files, 43–44
- commands
  - revert, 44
  - svn commit, 46–47
- conflicts, 48–50
- creating, 42–43
- database files, 45
- doc folder, 44
- executable files, marking, 46
- file-level changes, 50
- life cycle, 47–50
- log folder, 44
- plugins, 392–394
- tmp folder, 44
- updates, 48–50

**resources**

- building, 6–16
- migrations, 7–8
- routes
  - customizing, 10–11
  - nested, 9–10
  - standard, 8–9

**respond to method, 11–12**

- JavaScript block, 215

**REST (REpresentational State Transfer), 1, 241**

- client side, 242–243
- network protocols and, 4–5
- OOP and, 4
- pages versus resources, 4
- Rails and, 5–6
- reasons for, 6
- resources, finding, 243–245

**returning method, 254–255****revert command, 44****REXML toolkit, 257****REXML::Document, 257****RJS**

- lightboxing, 234–235
- methods, 233
- testing
  - ARTS plugin, 236
  - assert\_select\_rjs, 235–236
- writing JavaScript, 230–232

**RMagick, 285, 286**

- draw method, 301–302
- graphics library, 297–303
- GraphicsMagick and, 286
- Gruff, 306–309
- Image class, 298–299
- ImageList, 298
- ImageMagick and, 286
- installation
  - Linux, 288
  - Mac OS X, 287–288
  - Windows, 286
- MiniMagick and, 286

**roles, users, 78–79****routes**

- customizing, 10–11
- display, 16
- nested, 9–10
- standard, 8–9

**routes.rb, 8–9****RSpec**

- loading, 193–194
- writing specs, 194–195
  - controller specifications, 198–199
  - model tests, 195–197
  - testing helpers, 201–202
  - view behavior, specifying, 199–201

**RSS feeds**

- Atom Feed Helper, 250–253
- channels, 254
- generating, 253–255
- items, 254
- producing, 249–255

**ruby-prof, 346–352****S****salt sequences, 67–68****sanitize method, 237****scripting, security, cross-site, 237–238****searches**

- Ferret and
  - fields, 148–149
  - installation, 146–147
  - results, 150–151
- SQL and, 144–146

**security, cross-site scripting, 237–238****select method, 233****servers, Subversion, setup, 50–52****session management**

- ActiveRecord store, 354–355
- cookie-based sessions, 353–354
- SQLSessionStore, 355–356

**sessions, 94****Shoulda plugin, 205–206****show method, 12, 233****single-level menus, 125–130****singletons, 375–378****SOAP, 241****Soups OnLine, introduction, 1****source control, 39**

- client-server model, 40
- commands
  - revert, 44
  - svn commit, 46–47
- conflicts, 48–50
- database files, 45
- doc folder, 44
- executable files, marking, 46
- file-level changes, 50
- log folder, 44
- repositories
  - adding files, 43–44
  - checking out files, 43–44
  - committing changes, 46–47

### **source control (continued)**

- creating, 42–43
- systems, 40
- tmp folder, 44
- updates, 48–50

### **spam, 80**

- CAPTCHA, 86–94

### **span\_for method, 214**

### **Sparklines, 309–311**

### **SQL (Structured Query Language)**

- injection attack, 176–177
- searches and, 144–146

### **SQLite3, 17**

### **SSH (Secure Shell), Capistrano and, 314**

### **storage, encrypted passwords, 67–70**

### **stubs, 187**

- FlexMock, 189–191

### **Subversion, 41**

- changes, committing, 46–47
- commands
  - revert, 44
  - svn commit, 46–47
  - svn mkdir, 42
  - svnadmin create, 42
- conflicts, 48–50
- database files, 45
- directories
  - branches, 42
  - tags, 42
  - trunk, 42
- doc folder, 44
- downloading, 443
- executable files, marking, 46
- file-level changes, 50
- log folder, 44
- plugin installation and, 392
- repositories
  - adding files, 43–44
  - checking out files, 43–44
  - creating, 42–43
- server, setup, 50–52
- tmp folder, 44
- updates, 48–50
- working copies, 41

### **subversive control, introduction, 39**

### **super method, 247**

### **svn commit command, 46–47**

### **svn mkdir command, 42**

### **svnadmin create command, 42**

### **svserves command, 50–52**

## **T**

### **tagging, AATOS (Acts As Taggable On Steroids), installing, 132–133**

### **tags**

- API, 133–134
- caching, 134–135
- cloud, calculation, 139–142
- count display, 143

- entering data, 135
- models, applying to, 133–135
- showing detail, 136–137
- viewing, 137–139

### **tags directory, 42**

### **task method, 112**

### **TDD (Test Driven Development), 1, 23, 181**

- process, 181–182
- Rake testing tasks, 107–108

### **templates, free online, 29**

### **test doubles, 187**

### **test:coverage, 185**

### **test:coverage:clean, 185**

### **test:functionals, 108**

### **testing, 17–18**

- assert\_select, 23–25
- behavior of application, 193
- Behaviors gem, 205–206
- controller object, 19–20
- FixtureScenario plugin, 206–207
- FixtureScenarioBuilder plugin, 206–207
- generators, 400–402
  - GeneratorTestHelper, 404–406
  - migration templates, 406
  - writing test, 402–404
- helpers, 207–209
- legacy databases, fixtures method, 160–163
- mock object testing, 187
  - FlexMock, 187–189
- rcov
  - installing, 183–184
  - tasks, 184
- RJS, 235–236
- Shoulda plugin, 205–206
- state of application, 193
- stubs, 187
  - FlexMock, 189–191
- TDD, 181
- test object, 18–19
- turn and, 21–22
- views, 20–22
  - Test::Rails, 202–204
  - view\_test plugin, 204–205
  - ZenTest, 202–203
- ZenTest, 119–120

### **test:integration, 108**

### **test:plugins, 108**

### **Test::Rails, 202–204**

### **test:recent, 108**

### **tests, authentication, 71–72**

### **test:uncommitted, 108**

### **Test::Unit, Behaviors gem, 205–206**

### **test:units, 108**

### **text editors, 444**

### **TextMate, 444**

### **Time class, 262**

- localtime method, 263
- utc method, 263

### **time zones, 263–266**

- inputting, 266–268
- zone\_names method, 267–268

**time\_ago\_in\_words method**, 271  
**timestamps**, 263–266  
**timestamps method**, 8  
**TimeZone class**, 264  
**time\_zone\_select method**, 266–267  
**tmp:cache:clear**, 109  
**tmp:clear**, 109  
**tmp:create**, 109  
**tmp:pids:clear**, 109  
**tmp:sessions:clear**, 109  
**tmp:sockets:clear**, 109  
**to\_date method**, 262  
**toggle method**, 233  
**tools, replacing**  
   ERB replacements, 417–431  
   JRuby on JRails, 431–439  
**tooltips, JavaScript and**, 222–226  
**to\_time method**, 262  
**to\_xml method**, 246  
   overriding, 247  
**transactions**, 177–179  
**translations**  
   ActiveRecord and, 279–281  
   Globalize plugin, 276–278  
   displaying, 278–279  
**trunk directory**, 42  
**t.string syntax**, 8  
**TurboGears**, 447  
**turn, testing and**, 21–22  
**Twitterific**, 241  
**tz database**, 264  
**Tzinfo gem**, 264  
**TzinfoTimezone class**, 264  
**TzTime class**, 265

## U

**Unicode**, 274  
**unit method**, 28  
**unit tests, quality**, 183  
**update method**, 14, 219  
**update\_attributes**, 188  
**updated\_at**, 263  
**user creation form**, 60–64  
**user interface, tags and**  
   cloud calculation, 139–142  
   count display, 143  
   entering data, 135  
   showing detail, 136–137  
   viewing, 137–139  
**users**  
   creating, introduction, 59–60  
   definition of, 60  
   roles, 78–79

**UTC (Coordinated Universal Time)**, 263  
**utc method**, 263  
**UTF-8**, 274

## V

**validates\_as\_attachment method**, 291  
**vender/plugins directory**, 395  
**views**  
   authentication and, 74–76  
   form\_for method, 15  
   link\_to method, 15  
   testing, 20–22  
**view\_test plugin**, 204–205  
**Vim**, 444  
**visual\_effect method**, 233

## W

**web services, consuming**, 257–259  
**websites**  
   www.cookingforengineers.com, 2  
   www.freecsstemplates.org/preview/cavass, 29  
   www.freewebtemplates.com, 29  
**will\_paginate plugin**, 152  
**with\_image method**, 296  
**working copies**, 41  
**www.cookingforengineers.com**, 2  
**www.freewebtemplates.com**, 29

## X

**XML**, 241  
   producing, 246–248  
     builder templates, 248–249  
   render :xml method, 246  
   to\_xml, 246

## Y

**YAML, producing**, 256–257  
**YAML files**  
   menus, 128  
   merge feature, 156–157  
   object cache, 130–131

## Z

**ZenTest**, 119–120  
**zone\_names method**, 267–268