INDEX

competition theory of, 292–293
features of, 290–292
BLL. See Business logic layer (BLL)
Business application level (PaaS), 495
Business intelligence (BI), 4
application phases of, 32–34
big data
business intelligence system based on, 544
characteristics of, 542–544
definition of, 541–542
concept of, 536–541
in customer relationship management, 37–40
definition of, 27–28
in e-business enterprises, 34
information value analysis of, 29–31
information value dimension model of, 30
Ke Chuan’s business intelligence system
application of, 549–552
basic information, 545–546
main products, 546–549
KTT Science & Technology Company, 552–553
and big data, 553
implementation difficulty, 555
users of, 553–554
multi-dimensional analysis of, 28–29
in supply chain management, 40–54
technical analysis of, 31–32
technical dimension model of, 31
and virtual value chain (VVC), 34–37
Business logic layer (BLL), 87
Business model–Business to Social-network to Customers (B2S2C)
internet + agriculture, 110–111
niche products, 107–110
O2O model, 106–107
product marketing, 106
product positioning, 105–106
strengthen network influence, 106
Business to business (B2B) model, 13–14
Business to customer (B2C) model, 14
Business to government (B2G) model, 19–21
Carrot 2, 370
Cascading style sheets (CSS), 566
Channels (CH), 111
China Internet Network Information Center (CNNIC), 14
China Tax Administration Information System, 20
Chu’s Orange’s social business marketing, 141–143
business model, 143–145
management philosophy, 145–146
social e-business marketing case review, 147–148
humanistic spiritual marketing, 146
internet + agriculture, 147
new media marketing, 146–147
questions, 148
Communication technology and information technology (ICT), 3–4
Crowd funding, 244
Customer relationship management (CRM), 4, 27
Customer relationships (CR), 111
Customer segmentation (CS), 111
Customer to business (C2B) model, 15–16
Customer to customer (C2C) model, 15
Customer to government (C2G) model, 21–22

Dangdang.com and Amazon.cn comparison and analysis, 302–303
competition effect analysis, 303–308
market share comparison, 303
two-sided platform, 301–302

Data acquisition and management level (Daas), 495
Data base (DB), 27
Data mining (DM), 27, 32
Data store (DS), 27
Data ware (DW), 27
Day active user (DAU), 190
Decision support system (DSS), 27
Dirichlet distribution, 468

E-business
of agricultural products
agricultural integration, 113
bulk commodities trading market, 114
definition, 111–112
food track-and-trace system, 114–116
importing/exporting, 114
necessity of, 112–113
operation and business model, 116
problems and countermeasures of community, 116–117
social e-business, 117–119

augmented reality (AG), 9
B2B model, 13–14
B2C model, 14
B2G model, 19–21
and big data, 6–7
personalized shopping guide, 7
vertical segments service, 7–8

broad definition of, 5
C2B model, 15–16
C2C model, 15
C2G model, 21–22
G2B model, 17–18
G2C model, 18–19
G2G model, 16–17
Internet of Things (IOT), 94–97
mix reality (MR), 9
O2O model, 24–26
online experience, 9–10
and personalization
content of services, 8–9
and experience, 9–10
offline experience to online experience, 10–11
SoLoMo model, 22–24
users’ satisfaction for, 404
virtual reality (VR), 9

E-business logistics
application of logistics, 62–63
augmented reality (AR)-related technologies, 82–83
electronic product code (EFB), 77
logistics information, 57–59
logistics information network application, 85–87
impact of, 67–68
practitioner of, 68–70
significance of, 66–67
system structure of, 83–85
technology, 71–73
logistics information system, 59–62, 65–66
logistics network, 63–65
radio frequency identification (RFID), 73–77
radio frequency identification technology (RFID), 71
virtual reality (VR) technology, 80–81
wearable devices, 77–80

E-commerce, definition of, 3–6

Ecosystem theory
  business ecosystem theory, 294–301
economic applications of lotka–volterra interspecific competition, 293–294

Electronic government procurement encompasses, 20

Emerging e-business
  application of, 91–93
  characteristics of modern circulation, 88–91
  inventory management, 94
  modern concept of circulation, 87–88
  sales management, 93–94
  stock management, 93

Enterprise portal (EP) performance, 27

Enterprise resource plan (ERP), 4, 27

Executive information system (EIS), 27, 32

Expectation-maximization (EM) algorithm, 469

Extract transform load tools (ETL), 27, 28

Facebook’s social e-business model
  comment and analysis, 197–198
  formation of, 194

function positioning of, 194
innovation factor, 199–200
marketing model, 195
profit model, 197
technology model, 195–197
theory support, 198–199

Finance + internet
  financial disintermediation, 257
  lagging of operation pattern, 258
Lufax’s
  business model of, 261–265
  case questions, 265
  comments and analysis, 263–265
  Lfex, 262–263
  P2P business, 262
  theoretical foundation of
    advantages of traditional financial institution, 258–259
    traditional financial institution, 257–258
    wavering of customer foundation, 257

Government to business (G2B) model, 17–18

Government to customer (G2C) model, 18–19

Government to government (G2G) model, 16–17

Information coverage
  diversity extraction measurements, 424–426
  heuristic algorithm based on, 406–421
  information redundancy, 422–424 measure, 374–375
    actual application scenarios, 395–400
coverage of information content, 375–376
information redundancy, 385–387
measure calculation processes, 388–391
measure comparison, 391–395
proximity of information structure, 377–382
unified measure of information coverage, 383–384

Information retrieval model
Boolean model, 343–344
extended information retrieval model, 346–349
information search services
clustering-based extraction methods, 360–361
existing coverage degree measures, 352–354
existing redundancy degree measures, 354–357
search result diversification methods, 357–360
typical measures of information retrieval, 349–352
probabilistic model, 345
vector space model (VSM), 344–345

Infrastructure level (IaaS), 495
International telecommunications union (ITU), 95

Internet + agriculture, concepts concerning, 110–111

Internet + resource enterprises
comments on project, 503–504
contemporary decision-making theory, 489–490

DY coal group, 490–494
under BIS, 496–497, 502
standard system and guarantee system construction, 497–500
informatization in, 486–488
questions, 504
resource-based enterprise, 486–488
SWOT analysis, 494–495

Internet finance
community coverage, 246
development status of
in China, 256
Chinese internet finance, 255
UK internet finance industry, 249–251
US internet finance industry, 251–255
financial disintermediation, 246
information asymmetry, 246
internet finance mechanism, 247–248
introduction to, 240–242
long-tail effect, 246
lower transaction costs, 245
supervision of, 248
traditional theories and industries, 247
transaction possibility, 246
types of
crowd funding, 244
internet finance sales platform, 243
internet insurance, 245
internet securities, 244–245
peer-to-peer lending, 243–244
third-party payment, 242–243

Internet finance sales platform, 243
Internet insurance, 245
Internet of Things (IOT), 94–97
Internet securities, 244–245

Key activities (KA), 111
Key opinion leaders (KOL), 106
Key partnerships (KP), 111
Key resources (KR), 111
KeySRC, 370
Knowledge discovery in databases (KDD), 29
KTT Science & Technology Company, 552–553
and big data, 553
implementation difficulty, 555
users of, 553–554

Lightweight reverse control (IoC), 568
Long tail theory, 104–105
Lufax’s
business model of, 261–265
case questions, 265
comments and analysis, 263–265
lfex, 262–263
P2P business, 262

Management information system (MIS), 27
Management platform level (PaaS), 495
MAX COVERAGE problem, 407–408
Meituan–Dianping
comment and analysis, 235–236
development situation of, 228–229
introduction of, 229–230
local life service of, 231–234
mobile-service-aided, 234–235
O2O model of, 230–231
social orientation service of, 234

Mitubaba’s social e-commerce model, 119–127
business model, 122–127
comments and analysis
one-unity expansion, 127–128
opening and extension, 128
personalized service, 127

Mobile internet
centralization transformation, 532
customization transformation, 531
mobile electronic commerce, 513–514
platformization transformation, 532
telecom marketing channel, 507–508
function of, 511–513
structure of, 508–511

Yunnan mobile
centralized operation strategy, 529–531
construction situation of
electronic channels, 516
construction situation of
entity channels, 515–516
platformization operating strategy, 527–529

YNYD channel
transformation planning and strategy, 519–521
YNYD marketing channel transformation, 521–527
YNYD marketing channels, 517–519

Niche product, 104–105
NYW’s agricultural e-business platform
activity marketing, 168–169
business processes, 156–158
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>case review, 169–171</td>
</tr>
<tr>
<td>crowd funding of agricultural</td>
</tr>
<tr>
<td>micro projects, 156</td>
</tr>
<tr>
<td>entrepreneurship and training, 156</td>
</tr>
<tr>
<td>famous agricultural products, 155</td>
</tr>
<tr>
<td>profit model, 158–161</td>
</tr>
<tr>
<td>promotion and marketing, 163–167</td>
</tr>
<tr>
<td>rural tourism e-business, 155, 161</td>
</tr>
<tr>
<td>SWOT analysis, 162–163</td>
</tr>
<tr>
<td>traditional marketing, 167–168</td>
</tr>
<tr>
<td>Offline to online (O2O) model</td>
</tr>
<tr>
<td>acceptance in, 225–226</td>
</tr>
<tr>
<td>algorithm improvement in, 226</td>
</tr>
<tr>
<td>car hailing service application, 227</td>
</tr>
<tr>
<td>definition of, 223–224</td>
</tr>
<tr>
<td>features of, 224–228</td>
</tr>
<tr>
<td>group purchasing, 226–227</td>
</tr>
<tr>
<td>local service, 224</td>
</tr>
<tr>
<td>mobile service, 225</td>
</tr>
<tr>
<td>quality evaluation in, 225</td>
</tr>
<tr>
<td>social-oriented service, 224</td>
</tr>
<tr>
<td>takeout e-business, 228</td>
</tr>
<tr>
<td>On-line analysis process (OLAP), 27, 28, 29</td>
</tr>
<tr>
<td>Online reviews</td>
</tr>
<tr>
<td>actual application scenarios, 454–455</td>
</tr>
<tr>
<td>clustering algorithms, 436–439, 440–445</td>
</tr>
<tr>
<td>data pre-processing, 434–435</td>
</tr>
<tr>
<td>data pre-processing strategies, 448–450</td>
</tr>
<tr>
<td>datasets, 433–434</td>
</tr>
<tr>
<td>development of emotional clustering, 451–454</td>
</tr>
<tr>
<td>emotional clustering setting in, 431–432</td>
</tr>
<tr>
<td>evaluation measure, 439–440</td>
</tr>
<tr>
<td>term weighting models, 435–436, 446–448</td>
</tr>
<tr>
<td>Open to buy (OTB), 93</td>
</tr>
<tr>
<td>Peer-to-peer lending, 243–244</td>
</tr>
<tr>
<td>Probabilistic topic modeling</td>
</tr>
<tr>
<td>actual application scenarios, 475–478</td>
</tr>
<tr>
<td>phases, 470–474</td>
</tr>
<tr>
<td>semantic search framework</td>
</tr>
<tr>
<td>LDA model, 466–469</td>
</tr>
<tr>
<td>two-process semantic search framework, 470</td>
</tr>
<tr>
<td>user’s semantic search phases, 474–475</td>
</tr>
<tr>
<td>Professional Hypertext Preprocessor (PHP), 153</td>
</tr>
<tr>
<td>Query and Report, 27</td>
</tr>
<tr>
<td>Renminbi (RMB), 14</td>
</tr>
<tr>
<td>Renren.com</td>
</tr>
<tr>
<td>application programming interface (API), 323</td>
</tr>
<tr>
<td>business pattern of, 320–322</td>
</tr>
<tr>
<td>e-commerce, 325</td>
</tr>
<tr>
<td>games combined operation pattern, 323</td>
</tr>
<tr>
<td>marketing pattern of, 320</td>
</tr>
<tr>
<td>mobile open platform, 324</td>
</tr>
<tr>
<td>network ad, 323</td>
</tr>
<tr>
<td>profile, 319</td>
</tr>
<tr>
<td>profit pattern, 322–324</td>
</tr>
<tr>
<td>promotion pattern of, 320–322</td>
</tr>
<tr>
<td>social e-business model</td>
</tr>
<tr>
<td>application program applications (APP), 190</td>
</tr>
<tr>
<td>comments and analysis, 192–193</td>
</tr>
<tr>
<td>e-business, 191</td>
</tr>
</tbody>
</table>
joint games operation model, 189–190
marketing model of, 186–187
network advertisement, 189
profit model, 189–192
promotion model of, 187–188
SWOT analysis, 192
technological model, 189
value-added service, 190–191
SWOT analysis, 325
technical pattern, 322
theoretical pattern of
  linear regression analysis, 331–332
R-I pattern, 325–328
regression analysis, 332–334
SAP predictive analysis,
  328–331
triple exponential smoothing
  algorithm, 331–332
value-added service, 324
Resource description framework
  (RDF), 463
Revenues (R$), 111
Singular-value decomposition
  (SVD), 465
Social business. See Social network services (SNS)
Social campus Witkey system
  analysis, 559–560
  characteristics and categories,
    560–562
  comments, 570–571
  commercial pattern, 562–564
    business operation process, 566
    market positioning, 564–565
    market subdivision, 565–566
    platform promotion strategy, 567
    profit pattern, 566–567
e-commerce patterns, 562
personalized recommendation,
  569–570
  association between objects, 570
  extract task attributes, 570
  extract user attributes, 570
questions, 571
  technology program
    division + cascading style
      sheets, 569
    FreeMarker, 568
    hibernate, 568
    JavaScript, 568–569
    MVC framework, 567–568
    theory, 558–570
Social e-business, 118–119
Chu’s Orange’s social business
  marketing
case review, 147–148
humanistic spiritual
  marketing, 146
internet + agriculture, 147
new media marketing, 146–147
questions, 148
  concept and characteristics,
    117–118
  model, 118
Social network marketing theory,
  102–104
Social network services (SNS)
  business model of
    management model, 183–184
    profit model, 182–183
    technological model, 184–185
    concept, 176–177
development trend of, 185–186
marketing values, 317–319
R-I pattern, 319
Rule of 150, 179–180
Index

six degrees of separation, 178–179
social commerce, 178, 315–317
social network analysis (SNA), 313–314
spatial evolution, 314–315
spread of social behaviors, 180–181
structural holes theory, 181–182
virtual community e-business
social network structure
analysis theory, 204
two-sided market theory, 202–204
user needs creation theory, 202
Water Margin Community, 205–209
WeChat Lucky Money, 209–221
SoLoMo (social, local, and mobile)
business models, 4, 22–24
Statistical analysis, 27
Stock keeping unit (SKU), 26
Structural holes theory, 181–182
Supply chain management (SCM), 4, 27
SWOT analysis
analysis of XS Company’s
current business model, 135–136
existing business models, 138
high-end oil industry, 135
industry threat, 134–135
international recognition threat, 135
market share, 133
marketing space, 136–137
opportunities, 134
profit, 133
promotion channel, 137
quality strength, 132–133
resource strength, 132
technology, 133
threats, 134–135
weaknesses, 133–134
TDJ Special Local Product Mall, 148–149
business model, 151–152
case review, 153–154
market positioning of, 149–150
profit model, 152–153
questions, 154
technology model, 153
value flow of, 150
Third-party payment, 242–243
UK internet finance industry, 249–251
US internet finance industry, 251–255
User generated content (UGC), 178, 461
Value proposition (VP), 111
Virtual value chain (VVC), 34–37
Walnut oil business’ B2S2C model
case review, 138–140
market scope, 130
market share and operating
conditions, 131–132
operation status and goal
planning, 130–131
social e-business
market positioning, 140
market segmenting, 140
offline promotion, 141–142
online promotion, 141
SWOT analysis
analysis of XS Company’s
current business model, 135–136
existing business models, 138
high-end oil industry, 135
industry threat, 134–135
international recognition threat, 135
market share, 133
marketing space, 136–137
opportunities, 134
profit, 133
promotion channel, 137
quality strength, 132–133
resource strength, 132
technology, 133
threats, 134–135
weaknesses, 133–134
XS Company overview, 128–130

Water Margin Community
adjustment of, 205–208
business model of, 205
comments and analysis, 208
introduction of, 205

questions, 208–209

WeChat Lucky Money
background, 209–210
comment and analysis, 217–219
economy, 217–219
external economy of, 218
marketing model, 210–211
product economy of, 218
profit model, 212–213
questions, 219–220
scale economies of, 218–219
social marketing and needs creation of, 210
speed economy of, 217–218
technology model, 213–217
video and image marketing strategy, 211
virus marketing strategy, 211

Witkey. See Social campus Witkey system