# Index

#### Α

academic preparation 111 accessibility standards 90 action research 325 ad hoc reporting 147 adaptive structuration theory (AST) 225, 230 advanced searching operators 51 appropriation 229, 238 appropriation moves 233, 238 appropriation of office technology 232 asynchronicity 265 ATMs 2 attitude toward the game (Ag) 22 attitude toward the site (Ast) 22 attitudes towards appropriation 233, 238 automated library system (ALS) 193, 198. 208 automation 204

#### В

Barfordshire Police 322 Barfordshire Police Call Centre 321 Beaufort system 349 "black hole" 326 Boolean or phrase searching 50 business intelligence (BI) 115 business transformation 280 business Web sites 85 business-to-business 278 business-to-consumer 278

## С

caching 73 California Department of Motor Vehicles 181 call centre 322 call handling centre (CHC) 328 call handling function 326 capability maturity model (CMM) 143 case sensitivity 88 cash infusion 154 Centre for Applied Special Technology (CAST) 92 change agent 198 change within organizations 198 chief executive officers (CEOs) 158, 292 CIOs (chief information officers) 183 clarity of the spirit 234, 237, 238 collaborative learning 342 collaborative software 279 collaborative technologies 338 collective actions 342 collective experiences 343 commercial information systems 1 complex queries 65 computer interaction 321 computer interface 1 computer systems 2

computer-mediated communication (CMC) 263 concept architecture of URL 75 connectivity 265 consensus on appropriation 233 consensus towards appropriation 239 consumer behavior model 26 count filtering 79, 81 critical success factors (CSF) 296 critical thinking approach 97 customer relationship management (CRM) 115, 280, 282 customer satisfaction 295 "customer-driven quality" approach 299

# D

data collection 38 data quality (DQ) 291, 292 data warehouse (DW) 115 DC-dot 96 decentralized use 354 dialogue theory 269 domain name system (DNS) 73 Dow Chemical 181 DQ alignment 293 Dublin Core (DC) 94 Dublin Core metadata consortium 87 Dutch hospital 335

# Ε

eOrganizations 285 e-business 113, 277, 286, 279 e-business enterprise 111 e-business IT skills portfolio 111 e-business organization 277 e-business technologies 280 e-business transformation 113 e-commerce 279 e-government 180 e-procurement (EP) 115 edit distance 74, 75, 76 Electronic Commerce (EC) Institute 120 electronic data interchange (EDI) 279 electronic information exchange system (EIES) 339

electronic transmission 265 employee perceptions 152 encoding standards 87 end users 8 end-user behavior 136 end-user computing (EUC) 137, 138 end-user organization 137 enterprise applications 280 enterprise resource planning (ERP) 115 enterprise-wide databases 280 entertainment 26 entire value chain 278 "expected importance" 302 eXtensible Markup Language (XML) 88

# F

faithfulness of appropriation 233, 238 filter conditions 79 force information room (FIR) 322 fourth generation languages (4GLs) 138 FoxMeyer Drug 181 fragmented change 186

## G

"Good and Service Tax (GST)" system 308 Grassian list 97 group learning 335, 342 group learning cycle 343 group reflection 342, 343 groupware 341 groupware implementation 338 groupware technologies 338

## Η

HCI designer 6 head librarian 197 help desk operator scripts 15 help desk staff 8 help desk system 7 HTML encoding 87, 88 HTML tidy 89 HTML validator 89 human centred approach 321 human interface interaction 99

human issues 321 human resource 156 human-computer interaction (HCI) 1 Hypertext Markup Language (HTML) 87

#### I

incentives 205 index architecture 79 industry demand 111 infinite container 270 information accuracy 98 information carrying capacity 263 information consumers 293 information custodians 293 information management 281 information processing 268 information producers 293 information product 294 information product map (IPMap) 295 information quality 42, 96 information quality survey 40 information retrieval (IR) systems 51 information systems (IS) 137 information technology (IT) 137, 152, 284, 292 information transparency 281 informational Web page 97 informativeness 27 innovation theory 195 instrumental uses 239 integration 266 intention 232 intention to return 23 interaction process 271 internal organizational environment 236 Internet business solutions 112 Internet shopping sites 2 Internet-based enterprise systems 112 intra-enterprise collaboration 111 irritation 28 IT career objectives 163 IT employees 152 IT help desks 7 IT "inscription" 336 IT investment initiatives 183 IT skills portfolio management 111, 118 IT workforce 111

#### J

job changes 205 job designs 205 joint application design (JAD) 139 joint implementation process (JIP) 139 just-in-time (JIT) 299

#### Κ

knowledge disseminating 342, 344, 354 knowledge internalization 346 knowledge transfer 282

#### L

language variety 267 laser generation 270 learning-based framework 338 length filtering 79, 81 level of consensus on the appropriation 233 library and information science (LIS) 196 library automation 192 linkrot 101 local area network vendors (LAN) 340

#### Μ

management action plan (MAP) 159 management leadership 302 management outsourcing adoption model (MOAM) 159 managing for e-business 281 markup language 87 mean query length 54 media richness theory (MRT) 263, 267 media type 271 Medinet 347 metadata 93 metadata creator 96 metadata editor 96 mobile commerce 280 motivation 205 motivational quality of a Web site 42

376 Index

mutual adjusting 342 mutual adjustment 346, 356

## Ν

N-grams 78 Net-centric organizations 278, 284 new media 263 non-technical side 228 Nordic metadata project 96

## 0

objectivism 230 office technology 228, 232 office technology's non-technical side 225 offshore IT outsourcing 118 online accessibility assessment tools 92 online computer games 21 online navigation 99 online security 73 online tools for creating metadata 95 open organizational communication 231 operating costs 154 operational control units (OCUs) 330 organisation development (OD) 186 organizational design 284 organizational Impact 285 output 272 outsourcing 117, 155

# Ρ

participation 332 perceived ease of use 25 "perceived performance" 302 personal computers (PCs) 138 personal focus 268 personal proxy server 72 personnel and salary administration (PSA) 349 personnel management system 335, 347 plug-in applications 41 position filtering 79 process of system selection 203 production-marketing chain 296 provide feedback 267 proxy server 73, 79 "public face" 327 public frustration 327

# Q

query operators 50 questionnaire for user interaction satisfaction 40

## R

radio dispatch 326 real time information exchange 280 requirements gathering 37, 38, 39 research structure 57 retained employees 163

## S

sales force automation (SFA) 115 sales person 197 satisfying 270 screen-readers 91 script theory 4 scripting 1 scripts 5 searching capabilities 55 searching environment 55 searching rules 57 self-service airline ticket dispensers 2 service industry researchers 3 service interaction 2 service-oriented human computer interaction (HCI) 1, 4, 17 sharing understanding 342, 345 simple queries 65 skills acquisition 119 skills development 119 skills maintenance strategies 119 small talk 270 staff Involvement 204 storage of information 265 subject matter experts (SMEs) 140 subjectivism 230

supply chain management (SCM) 115, 280, 282 survey design 42 survey development methodology 42 survey tool 37, 42 synchronicity 265 system developer/vendor 197 system selection 192, 202 system thinking 204 systems integration 113 systems librarian 197

#### Т

tag closure 88 technical knowledge 205 technological determinism 230 technology acceptance model (TAM) 21, 22, 24 technology transfer 283 theory of reasoned actions (TRA) 22 total data management quality (TDQM) 295 total quality management (TQM) 295, 299 transitioned employees 163

## U

underlying philosophy 232 uniform resource locator (URL) 72 universal resource locater (URL) 94 university distance education 339 URL correction 72 URL correction mechanism 75, 79 URL preprocessor 77 URL similarity measurement 76 usability 38 user interface 38 user interface design 21 user involvement 38 user satisfaction 42 users' work autonomy 236

#### V

virtual teams 263 voluntarism 230

#### W

Web accessibility 42 Web accessibility initiative (WAI) 87 Web analysis and measurement inventory 40 Web application 41 Web caching 74 Web development 38 Web elements 73 Web page caches 72 Web page download 104 Web pages 85 Web search engines 52 Web searchers 52 Web site 23, 41, 85 Web site design 86 Web site development 37 Web site navigation 99 Web survey tool for analyzing requirements (Web-STAR) 37, 40 Web usability 41, 42 Web-STAR project 37 Web-STAR survey 43 WEBMac 40 West Midlands Police 330 work alignment 291, 301 World Wide Web (WWW) 26, 72 World Wide Web consortium (W3C) 87

# Χ

XHTML 88

#### Y

Y2K 140