

INDEX

A

ABOUT US (E5), 340–346, 713–714

ABOVE THE FOLD (I2), 508–511, 717–718

key product details and, 361–364

Absolute table widths, 518–519

Accelerators

defined, 669

design principles and, 69

Access providers, Internet, 681

Access to personal information, safe harbor principles, 330

Accessibility options

auditory disabilities, 220

cognitive disabilities, 223

designing for accessibility, 225

internationalization/localization and, 312

link names and, 576

mobile Internet devices and, 223–224

overview of, 218

physical disabilities, 220

related features for, 225–226

types of disabilities and, 219

visual disabilities, 220–222

ACCOUNT MANAGEMENT (H4), 477–481, 669

Accounts, guest

applying and adding related features, 476

overview of, 472–473

Accounts, new. *See* SIGN-IN/NEW ACCOUNT (H2)

Acquisition costs, customers, 669

Action buttons

Add to Cart action button, 364, 370

example, 20–23

Fitt's Law and, 34

forces to consider in use of, 21–22

graphical, 21, 559–560

high-visibility, 562–564

HTML, 21, 560

types of, 21

value to customers, 20

ACTION BUTTONS (K4), 29, 558–561, 720. *See also*

Action buttons

Active Server Page (ASP), 670

Address selection, 377–383

applying and adding related features, 383

field validation, 381

new addresses form, 378–381

overview of, 377–378

shipping to multiple addresses, 444

storing addresses, 378

Addresses, shipping to multiple, 442–446

Administration pages, content modules and, 255

Administrative backend, message boards, 281

Adobe Illustrator, 669

Advanced E-Commerce (G)

CROSS-SELLING AND UP-SELLING (G2), 417–423

FEATURED PRODUCTS (G1), 410–416

GIFT GIVING (G6), 447–452

MULTIPLE DESTINATIONS (G5), 442–446

ORDER TRACKING AND HISTORY (G7), 453–459

PERSONALIZED RECOMMENDATIONS (G3), 425–432

RECOMMENDATION COMMUNITY (G4), 433–441

resources for, 715

Aesthetics, design principles, 69

Affinity diagramming

brainstorming and, 75

defined, 669

information organization, 51–52

Affordance, 669

Alerts
 defined, 669
 inverse-pyramid writing style and, 325
 subscribing to, 323

Alexander, Christopher, 19–20, xxvii

Alpha versions, Web sites, 669

ALPHABETICAL ORGANIZATION (B5), 203–205,
 705–706. *See also* Organization, alphabetical

ALT attribute, images and, 222, 610

Amazon.com
 address selection and, 444
 checkout, addressing deal breakers, 354
 checkout, cross-selling and up-selling,
 422–423
 checkout process, 352
 e-commerce features, 111
 editorial voice, 415
 feedback about buyers and sellers, 439
 focused advertisements, 324
 gift recommendations, 451
 intention and impulse, use of, 184
 layout consistency, 215–216
 misspellings, compensating for, 540
 order histories and modifications, 458
 order summary, 395, 445
 payment methods and, 393
 policies and review guidelines, 437–438
 recommendations, based on customer
 purchases, 427
 recommendations, community, 433
 recommendations, personalized, 425
 return policies, 405–407
 search features, 530, 539
 shipping methods, 385
 shopping chart, 369
 tab row indicator line on, 556
 templates, global and individual, 247

Anchor text
 defined, 669
 search engines and, 285

Anonymity
 community conferences and, 128–130
 message boards and, 275

Antialiasing, 670

Apache Web servers, 670

API (application programming interface), 670

Applet files, removing unnecessary, 603

Application service providers (ASPs), 670

Archives, community conferences, 130–131

Art and entertainment sites
 applying and adding related features, 170
 function of, 167–168
 online exhibits, 168–169
 overview of, 166
 setting and breaking expectations, 168–169

ASP (Active Server Page), 670

ASPs (application service providers), 670

Asynchronous communication, 126–127, 670

Audience
 addressing needs of, 153
 Web-based news and, 121

Audio files, removing unnecessary, 603

Auditory disabilities, accessibility options, 220

Authentication
 defined, 670
 vs. identification, 486

Automatic pop-up windows, 489, 668

Automating, personalized content, 269

B

b2b, 670

b2c, 670

b2e, 670

BabyCenter, tab rows on, 554

Back button, process funnel and, 464

Back-end costs
 defined, 670
 reducing, 13

Backups
 Maintenance phase, 105
 periodic backups, 685

Bandwidth, 671

Banner ads, 671

Barnes & Noble.com, search selector, 531

Basic E-Commerce (F)
 CLEAN PRODUCT DETAILS (F2), 359–368
 EASY RETURNS (F9), 404–408
 ORDER CONFIRMATION AND THANK-YOU (F8),
 400–403
 ORDER SUMMARY (F7), 395–399
 PAYMENT METHOD (F6), 389–394
 QUICK ADDRESS SELECTION (F4), 377–383
 QUICK-FLOW CHECKOUT (F1), 352–358
 QUICK SHIPPING METHOD SELECTION (F5),
 384–388

- resources for, 714–715
 - SHOPPING CHART (F3), 369–376
 - Beliefnet
 - conferences available through, 125
 - sidebar use on, 525
 - Beta versions, Web sites, 671
 - Between-groups experiments
 - defined, 671
 - usability tests and, 632
 - Biases, online research, 649
 - Billing information form, 390–392
 - Bits per second (bps), 671
 - BizRate.com, product recommendations, 413
 - Blindness, accessibility options, 220–222
 - Blue text, using for Web links only, 582
 - Blurbs. *See* Headlines and blurbs
 - Bolded text, first reads and, 513
 - Bookmarks, 671
 - Boolean searches, 535, 671
 - Bottom-line data
 - analyzing, 640–641
 - defined, 671
 - not using paper prototypes for, 634–635
 - online prototypes and, 635–636
 - online testing and, 84
 - usability testing and, 628
 - Brainstorming, 239
 - Brand identity, 229, 671. *See also* Site branding
 - Brand space, balancing with navigation space, 230–232
 - Bread crumbs, 565–567
 - applying and adding related features, 567
 - defined, 671
 - linking visitors to where they have been, 566
 - overview of, 565–566
 - showing relationships between categories, 566
 - titles and, 305
 - Brick-and-mortar companies, 671
 - Broadband connections, 672
 - Brochureware, 672
 - BROWSABLE CONTENT (B2), 189–192, 705–706.
 - See also* Content, browsable
 - Browse navigation style, 185, 187
 - Browsers. *See* Web browsers
 - Bug reports
 - defined, 672
 - Maintenance phase and, 105
 - Building Trust and Credibility (E)
 - ABOUT US (E5), 340–346
 - E-MAIL SUBSCRIPTIONS (E2), 323–327
 - FAIR INFORMATION PRACTICES (E3), 328–333
 - PRIVACY POLICY (E4), 334–339
 - resources for, 712–714
 - SECURE CONNECTIONS (E6), 347–350
 - SITE BRANDING (E1), 317–321
 - Bulleted lists, benefits of/guidelines for, 295–296
 - Bureaucracy, government services and, 136–138
 - Business analysis document, Discovery phase, 93–94, 672
 - Business clients, value of this book to, xxxii–xxxiii
 - Business managers, value of this book to, xxxii
 - Business plan, 94, 672
 - Buy.com
 - account management page, 477
 - cross-selling and up-selling, 374, 402, 419
 - easy returns, 404
 - shipping methods, 387
- C**
- Cable modem, 672
 - Cache
 - defined, 672
 - images and, 622
 - Calendars, chronologically ordered items and, 207
 - California, self-service applications, 137
 - CancerNet, keyword use, 285
 - Card sorting
 - defined, 672
 - hierarchical organization and, 194
 - information organization and, 52–54, 587
 - Carnegie Mellon University, customer identification, 161
 - Categories, hierarchical
 - creating, 194
 - descriptive and distinctive names, 194–195
 - limiting subcategories, 195–196
 - personalized content, 268
 - Category description, 195, 588, 672
 - Category identification, 195, 588, 672
 - CATEGORY PAGES (B8), 214–217, 705–706. *See also* Organization, category-based

- CBS MarketWatch
 - embedded links, 296
 - linking related information, 120
- CDNOW
 - account information, collecting on single page, 479
 - featured products, 410
 - secure connections, 348–349
 - shopping cart, viewing items in, 375
 - task-based organization, 480
 - wish list, 373
- Centralized/decentralized localization management, 310
- Certification authorities, 101, 672
- CGI (Common Gateway Interface), 673
- Checkout
 - cross-selling and up-selling, 422–423
 - problem example, 26–29
 - proceeding to, 370
- Checkout, quick-flow, 352–358
 - applying and related features, 357–358
 - building trust, 355
 - eliminating distractions and deal breakers, 353
 - example using, 26–27
 - four-step approach, 356–357
 - order recap, 355
 - overview of, 352–353
- Children, privacy policies, 335–336
- Children's Online Privacy Protection Act (COPPA), 335
- Choice
 - FAIR INFORMATION PRACTICES (E3), 326
 - safe harbor principles, 330
- CHRONOLOGICAL ORGANIZATION (B6), 206–208, 705–706. *See also* Organization, chronological
 - order history and, 454
- CLEAN PRODUCT DETAILS (F2), 359–368, 714–715. *See also* Product details
- CLEAR FIRST READS (I3), 512–516, 718. *See also* First reads
- Click-and-mortar companies, 672
- Click-stream recording, 654
- Click-through, 673
- Clickstreams
 - defined, 673
 - online research and, 660
- Client-server architecture, 673
- Clients, 673, xxxi
- CNET News.com
 - descriptive links, 576
 - fixed width screen size, 521
 - font size, 583
 - HTML titles, 306
- CNN.com
 - archived as well as current news, 118
 - headlines and, 294
 - HTML titles, 306
 - multimedia approach, 122
 - sidebars, placing related content in, 527
- Code, internationalization/localization and, 309
- Cognitive disabilities, accessibility options, 223
- Colors
 - design decisions and, 34–35
 - download speeds and, 607
 - first reads and, 513
 - hypertext links and, 582, 584
- Commerce, combining with content and community. *See* Unified browsing hierarchy
- Common Gateway Interface (CGI), 673
- Communication networks, educational sites, 160
- Community, combining with content and commerce. *See* Unified browsing hierarchy
- Community conferences. *See also* Recommendation community
 - anonymity vs. known identity, 128–130
 - applying and adding related features, 133–134
 - archiving parameters, 130–131
 - defined, 673
 - FAQs and, 496–497
 - features of, 126
 - growth and sustainability, 132–133
 - message boards and, 125
 - moderated vs. unmoderated, 128
 - synchronous vs. asynchronous communication, 126–127
 - trust and sociability and, 132
 - usage policies, 126
- COMMUNITY CONFERENCES (A3), 39, 125–133, 702
- Community relations, about us page and, 344
- Company-centered design, 10, 673

- Company sites
 - adding features to, 158
 - balancing brand space with navigation space, 154–157
 - creating successful, 158
 - needs addressed by, 153
 - organizing for customer convenience, 157
 - overview of, 152
 - using homepage to establish identity, 228
- Competitive analysis, 94, 673
- Complex sentences, inverse-pyramid writing style and, 293
- Compression, 607, 608–609, 673
- Computer-based design tools
 - avoiding in early stages, 77–78
 - switching to, 78–79
- Connections, security, 347–350
 - applying and adding related features, 350
 - overview of, 347–349
- Consent form, Web site evaluation plan, 647–648
- Consistency, design principles, 68, 181
- CONSISTENT SIDEBARS OF RELATED CONTENT (I6), 525–528, 718. *See also* sidebars
- Contact information, about us page, 342–343
- Content
 - adding new, 181
 - grabbing interest with, 230
 - personalizing on homepages, 230
 - removing unnecessary, 463
 - sidebars for locating related, 526
- Content, browsable, 189–192
 - applying and adding related features, 192
 - content overloads and, 191
 - links and navigation aids, 191
 - organizational schemes and, 190
 - overview of, 189–190
 - structuring based on customers, 190
- Content, combining with community, and commerce. *See* Unified browsing hierarchy
- Content database, 253, 259
- Content management, 243–313
 - content matching schemes, 270–271
 - content modules, 251–256
 - headlines and blurbs, 257–262
 - HTML titles, 302–307
 - internationalized/local content, 308–313
 - inverse-pyramid writing style and, 291–297
 - message boards, 274–282
 - page templates, 244–250
 - personalizing content, 263–273
 - printable pages, 298–301
 - search engines, writing for, 283–290
- Content modules
 - administration page, creating, 255
 - applying and adding related features, 256
 - headlines and blurbs, adding, 259–261
 - news updates, facilitating, 119
 - organizing content, 253
 - overview of, 251–252
 - positioning content, 252–253
 - vs. page templates, 246
- CONTENT MODULES (D2), 251–256, 708
- Content, personalized
 - automating, 269
 - background information, 268
 - categorizing content and, 267
 - content matching schemes, 270–271
 - mapping content to each visitor, 269
 - minimizing up front requirements, 264–265
 - overview of, 263–264
 - predefining content locations, 271
 - scoring system, 269–270
 - targeting relevant content, 263
 - tracking customer visits and history, 271
 - visitor participation in, 265–267
- Content, writing and managing. *See* Writing and Managing Content (D)
- Context-sensitive help, 499–502
 - applying and adding related features, 502
 - overview of, 499–500
 - placement of, 500
 - pop-up window for, 491, 501
 - Web applications and, 175
- CONTEXT-SENSITIVE HELP (H8), 499–502, 716–717
- Contextual Design* (Beyer and Holtzblatt), 4
- Convenience
 - customers appreciation of, 112–114
 - organizing Web sites for, 157
- Conventions
 - used in this book, xxxiv–xxxv
 - for Web design, xxviii
- Conversion rate, 673
- Cookiecentral.com, 482
- Cookies
 - customer sessions and, 483
 - defined, 673

- Cookies (*continued*)
 - implementing persistent sessions, 482
 - tracking visits and history, 271
- Cooking.com, product details, 367
- COPPA (Children's Online Privacy Protection Act), 335
- Cost per thousand impressions (CPM), 674
- Costs
 - avoiding sticker shock, 114
 - good design and, 13
 - shipping and handling, 385–386
- Counterproductive strategies, 288–289
- CPM (cost per thousand impressions), 674
- Craigslist
 - about us page, 342
 - images, not using, 617
 - message board topics and organization, 274
 - rules for posting to, 127
- Crawlers. *See* Web crawlers
- Creating a Navigation Framework (B)
 - ALPHABETICAL ORGANIZATION (B5), 203–205
 - BROWSABLE CONTENT (B2), 189–192
 - CATEGORY PAGES (B8), 214–217
 - CHRONOLOGICAL ORGANIZATION (B6), 206–208
 - HIERARCHICAL ORGANIZATION (B3), 193–197
 - MULTIPLE WAYS TO NAVIGATE (B1), 184–188
 - POPULARITY-BASED ORGANIZATION (B7), 209–213
 - resources for, 705–706
 - SITE ACCESSIBILITY (B9), 218–226
 - TASK-BASED ORGANIZATION (B4), 198–202
- Creating a Powerful Homepage (C), 227–241, 707–708. *See also* Homepages
 - HOMEPAGE PORTAL (C1), 228–235
 - UP-FRONT VALUE PROPOSITION (C2), 236–241
- Credibility. *See* Trust and credibility
- Credit cards
 - security concerns, 390
 - storing information, 392–393
- Credits, Web sites, 344
- Critical incidents
 - defined, 674
 - design evaluation and, 83
 - usability testing and, 628
- CRM (customer relationship management), 674
- Cropping images, 607–608, 674
- Cross-browser compatibility, Web applications, 173
- Cross-platform compatibility, Web applications, 173
- Cross-selling and up-selling, 417–423
 - applying and adding related features, 423–423
 - checkout, selling related products during, 422–423
 - cross-selling, defined, 674
 - e-commerce and, 117
 - editorializing about related products, 421
 - minimizing space devoted to related products, 420
 - overview of, 417–418
 - related products, overview of, 418–420
 - related products, quick purchase option, 421–422
 - shopping chart and, 373–374
 - up-selling, defined, 692
- CROSS-SELLING AND UP-SELLING (G2), 417–423, 715
- Cross-tabulation
 - data analysis and, 661–662
 - defined, 674
- Currencies
 - internationalization/localization and, 311
 - product details and, 362
- Customer analysis, 43–45
- Customer analysis document, 674
- Customer Analysis Document, Discovery phase deliverables, 93
- Customer-centered design
 - applying, 15–16
 - defined, 674
 - illustration of, 5
 - importance of, 5–8
 - myths of, 12–15
 - resources, 695–696
- Customer-centered Web site, 674–675
- Customer experience, 675
- Customer satisfaction, as benefit of this book, xxxiii
- Customer sessions. *See also* Persistent customer sessions; Temporary customer sessions
 - defined, 483, 675
 - warning about, 486
- Customers
 - content structure based on needs of, 190
 - control by, 69
 - defined, 4, 674, xxxi

- design elements that put off, 8
 - documentation and, 14
 - familiar language and, 587
 - focus on, 20
 - hierarchies that match thinking of, 194
 - interviewing for recommendations, 429
 - listing on about us page, 344
 - market research and, 14
 - needs of, 153, 428–429
 - non-returning, 36
 - online research goals and, 652
 - personalization and, 232, 264–265
 - profitability related to satisfaction of, 7
 - recommendation community and, 434
 - resources for knowing, 697–698
 - roles supported by Web applications, 175
 - value propositions and, 240
 - value provided to, 111
 - Customers, helping. *See* Helping Customers
 - Complete Tasks (H)
 - Customers, principles, 32–42
 - competing elements, 32
 - customer tasks, understanding, 36–37
 - design team is not the customer, 32
 - expertise development and, 39
 - human structures and abilities and, 34–35
 - people as individuals, 32–33
 - social issues, understanding, 41–42
 - task-based organization, 200
 - task training and, 38–39
 - technology, understanding, 40–41
 - work reduction and, 37–38
 - Customers, techniques, 42
 - focus groups, 56–58
 - observations and interviews, 49–55
 - overview of, 42–43
 - scenario building, 45–49
 - surveys, 55–56
 - task and customer analysis, 43–45
 - Web site analysis, 58
 - Customization, 675. *See also* Personalization
 - Customs, internationalization/localization and, 310–311, 374
- D**
- Data analysis, usability tests, 639–641
 - Data integrity, safe harbor principles, 330
 - Data, types of, 628
 - Dates, internationalization/localization, 311
 - Deafness, accessibility options, 220
 - Deal breakers, checkout process and, 353
 - Debriefing test participants, 638, 645
 - Decentralized/Centralized localization
 - management, 310
 - Default settings, 675
 - Deliverables
 - defined, 675
 - Discovery phase, 93–95
 - Exploration phase, 96
 - Implementation phase, 102
 - Maintenance phase, 104
 - Production phase, 99
 - Refinement phase, 98
 - Delivery
 - methods, 385
 - time, 364
 - Dell
 - error handling, 594
 - links to context-sensitive help, 499
 - pop-up windows, 491
 - process funnel and, 462
 - product details page, 359
 - Demographics
 - defined, 675
 - targeting Web-based news to, 121
 - DESCRIPTIVE, LONGER LINK NAMES (K9), 576–580, 721. *See also* Hypertext links, descriptive names
 - Fitt's Law and, 34
 - Design
 - accessibility options, 225
 - choices for experiments, 632
 - guidelines, 100
 - iterative, 62
 - principles, 68–70
 - types of, 70
 - unifying with usability and marketing, 8–9
 - Design document, 99, 675
 - Design patterns. *See* Patterns
 - Design style guide, 675
 - Design team, 32
 - Designer-centered design, 11–12, 675
 - Designing Effective Page Layouts (I), 503–528
 - ABOVE THE FOLD (I2), 508–511
 - CLEAR FIRST READS (I3), 512–516

Designing Effective Page Layouts (I) (*continued*)
 CONSISTENT SIDEBARS OF RELATED CONTENT (I6),
 525–528
 EXPANDING-WIDTH SCREEN SIZE (I4), 517–520
 FIXED-WIDTH SCREEN SIZE (I5), 521–524
 GRID LAYOUT (I1), 504–507
 resources for, 717–718
 Desktop metaphor, 675
 Desktop shortcuts, HTML titles as, 303–305
 Development process
 Discovery phase, 90–95
 Exploration phase, 95–96
 Implementation phase, 100–102
 Launch phase, 102–103
 Maintenance phase, 103–105
 overview of, 88–89
 Production phase, 98–100
 Refinement phase, 96–98
 steps in, 88
 DHTML (Dynamic HTML), 676
 Digital certificates, 101, 676
 Digital Subscriber Line (DSL), 676
 the Directive, European Union, 329
 Directories, 676
 Disabilities
 auditory, 220
 cognitive, 223
 overview of, 219
 physical, 220
 visual, 220–222
 Disclaimers, about us page, 343
 Discovery phase, 90–95
 defined, 88, 676
 deliverables, 93–95
 fundamentals first, 92–93
 goal setting, 90–91
 gold plating, avoiding, 92
 not skipping, 92
 online research and, 652–653
 overview of, 90
 value proposition, 91–92
 Disintermediation, 676
 DISTINCTIVE HTML TITLES (D9), 302–307, 711.
See also HTML titles
 Document Object Model (DOM), 676
 Document type definition (DTD), 676
 Documentation, customer impatience with, 14
 DOM (Document Object Model), 676

Domain names, 676
 Downloads
 homepages, 233–234
 minimalist design for, 602
 speed of, 40
 DSL (Digital Subscriber Line), 676
 DTD (document type definition), 676
 Dynamic HTML, 173
 Dynamic HTML (DHTML), 676

E

E-commerce
 avoiding surprises, 114–115
 convenience, importance of, 112–114
 defined, 676
 features sites should include, 115–117
 online shopping and, 111–115
 products, multiple ways to locate, 112
 value provided to customers, making clear,
 111–112
 E-commerce, advanced, 409–459
 cross-selling and up-selling, 417–423
 featured products, 410–416
 gift giving, 447–452
 multiple destinations, 442–446
 order tracking and history, 453–459
 personalized recommendations, 425–432
 recommendation community, 433–441
 E-commerce, basic
 address selection, 377–383
 checkout, 352–358
 order confirmation and thank you, 400–403
 order summary, 395–399
 payment method, 389–394
 product details, 359–368
 returns, 404–408
 shipping method, 384–388
 shopping chart, 369–376
 E-LOAN, search engine ratings, 283
 E-mail
 fair use of addresses, 326
 order confirmation and thank-you, 402
 E-mail subscriptions, 322–327
 applying and adding related features, 327
 fair use of e-mail addresses, 326
 inverse-pyramid writing style and, 325
 overview of, 322–323

- sign up, 323–325
- subscribe/unsubscribe information, 326
- text vs. HTML messages, 326
- E-MAIL SUBSCRIPTIONS (E2), 322–327, 712
- E-tailer, 676
- EASY RETURNS (F9), 404–408, 715. *See also* Returns
- eBay
 - action buttons, 558
 - feedback about buyers and sellers, 438–439
 - forgotten passwords, 469
 - sign-in/new accounts, 467
- eDealFinder.com, 255
- Edit gift options button, 450
- Editorial voice
 - Amazon.com, 415
 - product recommendations, 411
- Edmunds.com, use of familiar language, 586
- EDUCATIONAL FORUMS (A8), 159–165, 703–704
- Educational sites
 - applying and adding related features, 164
 - functions of, 160
 - overview of, 159
 - raising educational standards, 163–164
 - visitor needs, meeting, 161–162
- Electronics Boutique, featured products, 412
- Elements
 - above the fold, 510
 - competing in customer-centered design, 32
 - design elements that put off customers, 8
 - determining importance of, 513
 - order summary and confirmation, 397–398, 402
 - page elements, selecting, 513
 - page elements, variations, 248
 - patterns and, 23–25
 - product details and, 361–364, 365
- EMBEDDED LINKS (K7), 296, 568–571, 721. *See also* Hypertext links, embedded
- Employee productivity, 179
- Employment opportunities, about us page, 344
- ENABLING INTRANETS (A11), 178–182, 704–705. *See also* Intranets
- Encryption, 347, 677
- Enforcement, safe harbor principles, 330–331
- Entertainment. *See* Arts and entertainment sites
- Environmental Protection Agency (EPA) site, grid layout, 504
- EPA (Environmental Protection Agency) site, grid layout, 504
- Epicurious site
 - search form, 534
 - value proposition, 237
- Error messages, 594–597
 - applying and adding related features, 596–597
 - avoiding humor, 595
 - clarity of, 595
 - overview of, 594–595
 - page not found message, 598–600
 - placement of, 596
 - recovering from errors, 595
- Error prevention, 590–593
 - applying and adding related features, 593
 - clarifying expected format, 591
 - fields, optional vs. required, 592
 - multiple formats and, 591–592
 - overview of, 590–591
 - process funnel and, 464
 - sign-in/new account and, 468
- Errors
 - inexpensive fixes for, 63–64
 - recovering from, 69, 595
 - usability tests and, 639
- Ethnography, 49–50, 677
- Evaluation stage
 - choosing evaluation technique, 84–85
 - expert reviews, 81–82
 - informal evaluations, 82–83
 - iterative design, 62
 - usability studies, 83–84
- Exact matches, searches, 535
- Executive Summary, 641
- EXPANDING-WIDTH SCREEN SIZE (I4), 517–520, 718. *See also* Screen size, expanding width
- Experimental designs, 632
- Expert reviews, design evaluation and, 81–82
- Expertise, development of, 39
- Exploration phase
 - deliverables and prototypes, 95–96
 - online research and, 652–653
 - as step in development process, 88
- Exploratorium, privacy policy, 337
- Extensible Markup Language (XML), 693
- EXTERNAL LINKS (K8), 572–575, 721. *See also* Hypertext links, external

External resources, information reference sites, 149

Extranet, 677

Eziba, rare finds, 413

F

Facilitator role

usability tests, 634

Web site evaluation plan, 643

Fair information practices

applying and adding related features, 333

choice and, 326

message boards and, 278

overview of, 328–329

personal information, use and protection of, 331–332

privacy policies, clarity and conspicuousness, 331, 332

privacy policies, overview, 335

safe harbor principles, 329–331

FAIR INFORMATION PRACTICES (E3), 328–333, 712–713

False positives, heuristic evaluation, 82, 677

FAMILIAR LANGUAGE (K11), 586–589, 722. *See also*

Language, familiar

FAQs. *See* Frequently asked questions (FAQs)

FAST-DOWNLOADING IMAGES (L2), 606–613,

722–723. *See also* Images, downloading

Favorites. *See* Bookmarks

Feature problems, Web site design, 64–65

FEATURED PRODUCTS (G1), 410–416, 715. *See also*

Products, featured

Federal Trade Commission, privacy policy, 334

Feedback

design principles and, 68

giving sense of having “arrived”, 216

Web applications and, 174–175

Field observation, 677

Fields

optional vs. required, 467, 592

structured, 591

validation, 381

Files, 602–605

applying and adding related features, 604–605

content organization and, 253

minimizing number of, 602–603

removing large, slow files, 603–604

removing unnecessary files, 603

replacing images with HTML, 603

reusing images, 603

FindLaw, categorizing legal information, 196

Firewalls, 677

First impressions, homepages, 229–230

First Internet Bank, graphics of, 173

First reads

applying and adding related features, 515–516

defined, 677

formatting features, 513–514

homepages and, 233

overview of, 512–513

screen resolution and, 514–515

selecting page elements, 513

testing, 515

Fitt’s Law, 34, 677

FIXED-WIDTH SCREEN SIZE (I5), 521–524, 718. *See also* Screen size, fixed width

Flash, Macromedia, 677

Flow, 677

Focus groups, 56–58, 677

Focused advertisements

defined, 678

Inverse-pyramid writing style and, 325

subscribing to, 323

Fold. *See also* Above the fold

defined, 678

visibility of action buttons, 563

Fonts

first reads and, 513

size and styles, 582–583

Forces

balancing in design process, 32

defined, 678

patterns and, 21–22

Forgotten passwords, 468

Formats

clarifying expected, 591

highlighting first reads, 513–514

images, 607

multiple, 591–592

Frequently asked questions (FAQs), 493–498

about us page, 344

applying and adding related features, 498

community conferences and, 496–497

defined, 677

grouping related, 495

- identifying, 494–495, 498
- navigation aids to, 495
- overview of, 493–494
- search features, using with, 495
- usability problems and, 495

FREQUENTLY ASKED QUESTIONS (H7), 493–498, 716

Fulfillment, shipping and, 678

G

Geocaching, image download and, 606

GIF (Graphics Interchange Format) images

- defined, 678
- download speed, 40
- strengths and weaknesses, 607

Gift certificates, redeeming, 393

Gift giving, 447–452

- applying and adding related features, 452
- order summary and confirmation, 450
- overview of, 447–450
- providing help with, 451
- purchases and, 114
- removing price information, 450
- selecting and editing gifts, 450

GIFT GIVING (G6), 447–452

Global templates, 245–247

Go to Shopping Cart button, 370

Goals

- iterative design and, 65–68
- setting in Discovery phase, 90–91
- usability tests, 627–628

Gold-plating, 678

Gold plating, avoiding, 92

Google

- about us page, 340
- displaying search results, 541
- growth by word of mouth, 7
- HTML titles and, 304

Government services

- accessibility of, 135
- applying and adding related features, 139
- as faceless bureaucracy, 136–138
- privacy and trust issues, 138
- red tape and, 136
- self-service approach, 138
- universal access to, 138

Graphic design, 70, 678

Graphical action buttons, 21, 559–560

Graphical user interface (GUI), 20, 678

Graphics

- downloads and, 233
- role in good design, 13

Graphics Interchange Format. *See* GIF (Graphics Interchange Format) images

GRASSROOTS INFORMATION SITES (A6), 146–151. *See also* Information reference sites

Greeking, 678

Greeking, testing grid layout with, 505–506

Greenpeace Cyberactivist Community site,

- anonymous postings, 129

GRID LAYOUT (I1), 504–507, 717

Grid layouts, 250

- advantages of, 505
- applying and adding related features, 506–507
- billing information form and, 391
- defined, 678
- guidelines for making, 505–506
- overview of, 504–505
- page templates and, 245
- removing from printer friendly pages, 299

Growth, community conferences, 132–133

Guest accounts, 472–476

- applying and adding related features, 476
- overview of, 472–473

GUEST ACCOUNTS (H3), 472–476

GUI (graphical user interface), 20, 678

Guidelines, 678

H

Half.com

- address selection, 377
- checkout interface, 113
- checkout process, 354
- payment methods, 389
- progress bars, use by, 463
- secure connections, 347

Handheld Device Markup Language (HDML), 679

HCI (human-computer interaction), 70, 679

HDML (Handheld Device Markup Language), 679

HEADLINES AND BLURBS (D3), 257–262, 708

Headlines and blurbs

- adding to content database, 259
- adding to content modules, 259–261

- Headlines and blurbs (*continued*)
 - applying and adding related features, 262
 - blurbs defined, 671
 - blurbs or leads, expanding on, 293
 - defined, 258
 - headlines, defined, 679
 - headlines, qualities of good, 292
 - hooks, creating, 258–259, 262
 - HTML titles and, 303
 - overview of, 257–258
- Healthgiant.com, guest accounts, 472
- Height attribute, images, 610
- Help desk, collecting FAQs from, 495
- Help functions, Web applications, 175
- Helping Customers Complete Tasks (H)
 - ACCOUNT MANAGEMENT (H4), 477–481
 - CONTEXT-SENSITIVE HELP (H8), 499–502
 - FREQUENTLY ASKED QUESTIONS (H7), 493–498
 - GUEST ACCOUNTS (H3), 472–476
 - PERSISTENT CUSTOMER SESSIONS (H5), 482–487
 - POP-UP WINDOWS (H6), 488–492
 - PROCESS FUNNEL (H1), 462–465
 - resources for, 716–717
 - SIGN-IN/NEW ACCOUNT (H2), 466–471
- Heuristic evaluation, 81–82, 679
- Hewlett-Packard site, customer-relevant information on, 153
- HIERARCHICAL ORGANIZATION (B3), 193–197. *See also* Categories, hierarchical
- Hierarchies, 193–197
 - building, 196–197
 - category examples, 195
 - category names, 194–195
 - customer thinking, building to match, 194
 - features, 197
 - overview of, 193
 - subcategories, limiting, 195
- High-fidelity prototypes
 - defined, 679
 - not using in early design stages, 76–77
 - switching to computer-based tools, 78–79
- HIGH-VISIBILITY ACTION BUTTONS (K5), 562–564, 720. *See also* Action buttons
- History
 - orders, 459
 - tracking, 271
- Hits, Web sites, 679
- Holidays, internationalization/localization and, 310–311
- Holt, John, 163
- HOMEPAGE PORTAL (C1), 228–236, 707–708
- Homepages
 - applying and adding related features, 235–236
 - balancing functions, 229
 - balancing use of space, 153–154, 230–232
 - content, grabbing interest, 230
 - content, personalizing, 230
 - download speeds, 233–234
 - first impressions, 229–230
 - forcing returns to, 547
 - layout, 233
 - navigation, 233
 - overview of, 228
 - page templates and, 245
 - site branding and, 229
 - value propositions and, 237
- Hong, Jason, 741–742, xxvii
- Hook, creating, 258–259, 262
- Horizontal prototypes, 80, 679
- Hortals, 679
- Hotmail
 - context-sensitive help and, 500
 - formatting requirements, 590
 - sign-in process, 466
 - as Web application, 174
- HTML (HyperText Markup Language)
 - accessibility features, 225
 - action buttons, 21, 560
 - defined, 679
 - downloads and, 233–234
 - e-mail and, 326
 - interface, 173
 - techniques for speeding up your site, 617–620
 - using instead of images, 603
- HTML POWER (L4), 617–620, 723
- HTML tables
 - expanding width screens, 518
 - grids, 506
 - printer friendly pages, 299
 - simplifying and dividing, 614–616
- HTML titles
 - adding to new pages, 305–306
 - applying and adding related features, 307
 - as desktop shortcuts, 303–305

- headlines and blurbs and, 303
 - organizing search results, 538
 - overview of, 302–303
 - search engines and, 285, 303
 - varying from page to page, 305
 - HTTP (HyperText Transfer Protocol), 483, 679
 - Human-computer interaction (HCI), 70, 679
 - Human structures and abilities, basic, 34–35
 - Humor and stories
 - avoiding humor in error messages, 595
 - inverse-pyramid writing style and, 296
 - Hype, avoiding, 293, 295
 - Hypertext links
 - alphabetical lists and, 205
 - defined, 679
 - familiar language for, 587
 - linking related tasks, 199, 202
 - linking to reviews and product information, 364
 - as navigation aid, 191, 559
 - removing unnecessary, 463
 - testing link names, 588
 - unified browsing hierarchy and, 546
 - Hypertext links, descriptive names, 576–580
 - applying and adding related features, 579–580
 - guidelines for, 578–579
 - improving site accessibility, 577
 - limitations of generic names, 577
 - overview of, 576–577
 - skimming Web pages and, 577
 - Hypertext links, embedded, 568–571
 - applying and adding related features, 570–571
 - combining with external links, 574
 - defined, 676
 - helpful link names, 569–570
 - inverse-pyramid writing style and, 296
 - overview of, 568–569
 - pop-up windows and, 570
 - too many, 570
 - Hypertext links, external, 572–575
 - combining with embedded links, 574
 - linking to external Web sites, 573
 - minimizing link rot, 573
 - opening new window for, 574
 - overview of, 572–573
 - setting expectations and marking references, 573–574
 - Hypertext links, obvious, 581–585
 - applying and adding related features, 584–585
 - color, 582, 584
 - font size and styles, 582–583
 - overview of, 581–582
 - TITLE attribute and, 583
 - underlining, avoiding, 582
 - Hypertext markup language. *See* HTML
 - HyperText Markup Language. *See* HTML (HyperText Markup Language)
 - HyperText Transfer Protocol (HTTP), 483, 679
- I**
- I18N (Internationalization), 681
 - IBM
 - tailored search results, 540
 - types of links on homepage, 152
 - Identification, vs. authentication, 486, 680
 - IE (Internet Explorer), 348, 680
 - IFILM
 - as example of Arts and entertainment site, 168
 - fixed width screen size on, 522
 - listing popular short films, 211
 - IIS (Internet Information Server), 680
 - Image maps, 680
 - Images
 - removing unnecessary files, 603
 - reusing, 603, 621–623
 - screen space demands of, 421
 - using HTML instead of, 618
 - Images, downloading, 606–613
 - ALT attribute, 610
 - applying and adding related features, 612–613
 - color, reducing use of, 607
 - combining smaller images, 610–611
 - compression, 608–609
 - cropping and shrinking size, 607–608
 - focusing on main pages first, 611
 - formats, 607
 - height and width attributes, 610
 - overview of, 606–607
 - progressive-scan and interlaced images, 609–610
 - speeds, 40
 - IMG tags, 610

- Implementation phase
 - defined, 680
 - deliverables, 100–102
 - online research and, 653
 - as step in development process, 88
- Implementation problems, Web site design, 64–65
- Impressions, advertisements, 680
- Impulse customers, navigation methods and, 185, 187
- Index, defined, 680
- Indicator lines, tab rows, 556–557
- Individuality, of customers, 32–33
- Inference data, personalized recommendations and, 426–428
- Informal evaluations, designs, 82–83, 680
- Information
 - account information, collecting, 478
 - account information, minimizing, 467
 - guidelines for presenting, 120
- Information architecture, 70, 680
- Information organization, 51–54
 - affinity diagramming, 51–52
 - card sorting, 52–54
 - hierarchical, 194
- Information reference sites
 - answering questions, 148
 - applying and adding related features, 150–151
 - credibility and trust, 148
 - external resources (links), 149
 - features of good sites, 147–148
 - growth of, 149–150
 - overview of, 146
 - value ranking information on, 147
 - writing style for, 149
- Information scent, 680
- Informative feedback, design principles and, 68
- Intention, navigation and, 185, 187
- Interactive prototype, Production phase, 99, 681
- Intercept research, 660, 681
- Interest, drawing people in, 120
- Interlaced images, download speed and, 609–610, 681
- Internationalization (I18N), 681
- Internationalized and localized content
 - applying and adding related features, 313
 - centralized vs. decentralized management, 310
 - dates, currencies, weights, and measures, 311
 - Discovery phase and, 92
 - holidays, customs and nonverbal communication, 310–311
 - local legal issues, 312
 - machine translation and, 309–310
 - overview of, 308–309
 - site accessibility and, 312
 - strings, separating from code, 309
 - tailoring services, 312
 - term selection criteria, 310
 - translators, hiring, 310
- INTERNATIONALIZED AND LOCALIZED CONTENT (D10), 308–313, 711
- Internet Explorer (IE), 348, 680
- Internet Information Server (IIS), 680
- Internet service provider (ISP), 681
- Interstitial pages, 681
- Interviews
 - customer recommendations from, 429
 - as follow up to observations, 50–51
 - tips for, 51
- Intranet in a box, SAP, 178
- Intranets
 - applying and adding related features, 182
 - consistency of, 181
 - defined, 681
 - new content policies and ways to add, 181
 - overview of, 178–179
 - personalized views, 179
 - planning for growth, 181
 - workflow support, 179
- Inverse-pyramid writing style
 - applying and adding related features, 297
 - bulleted and numbered lists, 295–296
 - complex sentences, avoiding, 293
 - defined, 681
 - e-mail subscriptions and, 325
 - embedded links, 296
 - expanding on blurbs or leads, 293
 - headlines and blurbs and, 262
 - headlines, concise and descriptive, 292–293
 - hype, avoiding, 293, 295
 - overview of, 291–292
 - use of humor and stories, 297
- INVERSE-PYRAMID WRITING STYLE (D7), 291–297, 710
- Investor relations, about us page and, 344
- ISP (Internet service provider), 681
- Item numbers, product details, 364

Iterative design, 61–85
 applying within project phases, 89
 computer-based tools, avoiding in early stages, 77–78
 computer-based tools, switching to, 78–79
 cyclic steps in, 62
 defined, 681
 design principles and, 68–70
 high-fidelity prototyping, 76
 horizontal and vertical prototypes, 80
 limits of prototypes, 81
 low-fidelity prototyping, 74–75
 measurable goals and, 65–68
 overview of, 62–63
 paper prototyping kit, 77
 reasons for using, 63–65
 resources for, 699–700
 site evaluation, 81–85
 site maps, storyboards, and schematics, 71–74
 types of designs and, 70
 iWon, expanding width screen, 517

J

JAR (Java archive) files, 681
 Jargon, avoiding, 578
 Java, 681
 JavaScript, 681
 JPEG (Joint Photographic Experts Group) images
 defined, 682
 download speeds, 40
 strengths and weaknesses, 607
 JSP (JavaServer Pages), 682

K

Kbps (Kilobits per second), 682
 Keyboards, accessibility options, 220
 Keywords
 counterproductive uses of, 288
 defined, 682
 search engines and, 286
 Kilobits per second (kbps), 682
 Kiwanis International, events and discussion groups, 143
 The Knot site
 cross-selling and up-selling, 417
 information organization on, 191

L

L10N (localization), 682
 Landay, James, 741, xxvii
 Lands' End
 first reads, 512
 personalized recommendations, 430–431
 virtual interactive model, 267
 Language
 avoiding jargon, 578
 conventions, for Web design, xxxi
 design patterns as, 16, 20
 Language, familiar, 586–589
 applying and adding related features, 588–589
 card sorting for organizing information, 587
 observing and interviewing customers, 587
 overview of, 586–587
 testing link names, 588
 Latency, 682
 Launch phase
 defined, 682
 deliverables, 102–103
 online research and, 653
 as step in development process, 88
 Layout. *See also* Designing Effective Page Layouts;
 Grid layouts
 consistency of, 215–216
 homepages, 233
 Lead stories
 defined, 682
 expanding, 293
 Legal issues
 about us page, 343
 internationalization/localization and, 312
 Leukemia Links, as leukemia information site, 146
 LexisNexis, about us page, 345
 Lincoln Highway, use of HTML vs. images, 619
 Link-based pop-up windows, 490, 682
 Link rot, 682
 Links. *See* Hypertext links
 Lists
 alphabetical, 203–205
 bulleted, 295–296
 chronological, 206–208
 numbered, 295–296
 popularity-based, 210–211
 wish lists, 364, 372, 373

L.L. Bean
 first reads, 514
 matching site categories to physical stores, 110
 secure connections, 349
 Localization (L10N), 682. *See also* International-
 ized and localized content
 LOCATION BREAD CRUMBS (K6), 565–567. *See also*
 Bread crumbs
 Log files, search term selection and, 538–539
 Logical organization, search results, 538
 Lossless compression, 608, 682
 Lossy compression, 609, 683
 Low-fidelity prototypes, 74–75, 683
 LOW NUMBER OF FILES (L1), 602–605, 722. *See also*
 Files
 LowFare.com, linking related tasks, 200–201
 LUGNET, obvious links on, 581
 Lycos Daily Report, popular search items,
 211–212

M

M-commerce, 683
 Machine translation, internationalization/local-
 ization and, 309–310
 Macromedia Flash, 677
 Maintenance document, 102, 683
 Maintenance phase
 defined, 683
 deliverables, 103–105
 online research and, 653
 as step in development process, 88
 Making Navigation Easy (K), 545–600
 ACTION BUTTONS (K4), 558–561
 DESCRIPTIVE, LONGER LINK NAMES (K9), 576–580
 EMBEDDED LINKS (K7), 568–571
 EXTERNAL LINKS (K8), 572–575
 FAMILIAR LANGUAGE (K11), 586–589
 HIGH-VISIBILITY ACTION BUTTONS (K5), 562–564
 LOCATION BREAD CRUMBS (K6), 565–567
 MEANINGFUL ERROR NAMES (K13), 594–597
 NAVIGATION BAR (K2), 550–553
 OBVIOUS LINKS (K10), 581–585
 PAGE NOT FOUND (K14), 598–600
 PREVENTING ERRORS (K12), 590–593
 resources for, 720–722
 TAB ROWS (K3), 554–557
 UNIFIED BROWSING HIERARCHY (K1), 545–549
 Making Site Search Fast and Relevant (J),
 529–543
 ORGANIZED SEARCH RESULTS (J3), 537–543
 resources for, 718–720
 SEARCH ACTION MODULE (J1), 530–533
 STRAIGHTFORWARD SEARCH FORMS (J2), 534–536
 Market research
 customer needs and, 14
 tools for, 665
 as type of online research, 654
 Marketing, unifying with design and usability,
 8–9
 MarketTools, online research tools, 665–667
 Martha Stewart site
 gift giving and, 447
 layout consistency, 214
 Math Forum, student/educator resource, 163
 Mbps (megabits per second), 683
 MEANINGFUL ERROR MESSAGES (K13), 594–597,
 722. *See also* Error messages
 Measurement, internationalization/localization
 and, 311
 Medium-fidelity prototypes, 79, 96, 683
 Megabits per second (mbps), 683
 Mental models, 683
 Message boards
 administrative backend, 281
 applying and adding related features, 281
 community conferences and, 125
 locating, 276–277
 moderated vs. unmoderated, 275–276
 overview of, 274–275
 posting to, 279–280
 rules for, 278
 sign in procedures, 278
 MESSAGE BOARDS (D5), 274–282, 709
 Meta-information, 683
 Meta-ratings, recommendation community,
 436–439
 META tags
 defined, 683–684
 search engines and, 286–287
 Metrics
 business goals and, 94
 defined, 684
 Maintenance phase and, 104–105
 Microsoft Web site
 accessibility features, 223

- homepage, customer and partner links, 156
- navigation bars, 552
- page not found message, 598
- Misspellings, searches and, 539–540
- Mobile Internet devices, accessibility options, 223–224
- Mock-ups, 684
- Moderated forums
 - defined, 684
 - vs. unmoderated forums, 128, 275–276
- Monster.com
 - context-sensitive help and, 501
 - personalization offered by, 266
- The Motley Fool
 - interface for new posts, 280
 - saving favorite message boards, 276–277
- Mouse, accessibility options, 220
- MP3.com, reusable images, 621
- MSNBC
 - homepage, 228
 - HTML titles, 302, 304
 - personal information, use of, 268
- MULTIPLE DESTINATIONS (G5), 442–446. *See also*
 - Shipping, to multiple destinations
- MULTIPLE WAYS TO NAVIGATE (B1), 184–188, 705–706. *See also* Navigation methods
- My Yahoo!, personalization and, 265

N

Names

- embedded links and, 569–570
- weakness of generic names as links, 579–580
- Navigation. *See also* Making Navigation Easy (K)
 - accessibility options, 220
 - brand space, balancing with navigation space, 154–157, 230–232
 - consistency of, 216
 - design, 70
 - ease of, 233
 - FAQs and, 495
 - framework pattern, 183
 - information, accessibility of, 124
 - products, multiple ways to locate, 112
 - Web site structure and, 71
- NAVIGATION BAR (K2), 550–553, 720
- Navigation bars, 550–553. *See also* Tab rows
 - applying and adding related features, 552

- overview of, 550
- types of, 551
- Navigation design, 684
- Navigation methods, 184–188
 - adapting methods to different motivations, 185–186
 - appropriate use of navigation tools, 185
 - customer intention and impulse and, 185
 - overview of, 184
 - providing multiple approaches, 188
 - tool placement, 186–187
- Navigation tools
 - ease of use, 185
 - location of, 186
 - product details and, 362
 - removing from printer friendly pages, 299
- NBA.com, as example of arts and entertainment site, 167
- NDAs (nondisclosure agreements), 684
- Needs vs. wants, customers, 42–43
- Netflix
 - cross-selling and up-selling, 421
 - customer ratings, 428
 - privacy policy, 336
 - product details, 366
- Netmarket, avoiding cost surprises, 115
- Netraker.com
 - cross-tabulation of research data, 662
 - external links, 572
 - links for target customers, 156
 - online research by, 656–657
 - online research tools, 665–667
 - reporting research results, 663–664
- Netscape, 348, 684
- Network effect, 684
- Network for Good
 - civic participation, 144
 - subscribing to, 322
- Network of help, 141
- New accounts. *See* Sign-in/new account
- Newman, Mark, 74
- NEWS MOSAICS (A2), 118–124, 701
- News sites
 - applying and adding related features, 123–124
 - compared with other news media, 120
 - getting news updates, 124
 - importance of time and access, 119–120

- News sites (*continued*)
 - methods for organizing, 121–122
 - reading news online, 120–121
 - tailoring news to audience, 121–122
 - Newsletters
 - defined, 684
 - inverse-pyramid writing style and, 325
 - subscribing to, 323
 - Next-step navigation style, 185, 187
 - Nielsen, Jakob, 68, 81
 - Nolo, tab rows on, 555
 - Nonalphabetical languages, 204
 - Nondisclosure agreements (NDAs), 684
 - Nonprofit sites
 - adding features to, 145
 - benefits offered by, 144
 - network of help, 141
 - overview of, 140–141
 - targeting specific solutions, 142–144
 - NONPROFITS AS NETWORKS OF HELP (A5), 140–145, 703
 - Nonverbal communication, 310–311
 - Nordstrom
 - customer addresses, storing/managing, 379
 - high-visibility action buttons, 562
 - order confirmation and thank-you's, 401
 - order details, 453
 - order summary, 397
 - product options, 363
 - shipping methods, 384
 - Notification, safe harbor principles, 329
 - Numbered lists, inverse-pyramid writing style, 295–296
- O**
- Observations, 49–55
 - ethnographic approaches, 49–50
 - follow-up interviews, 50–51
 - limitations of techniques for, 54–55
 - organizing information gathered, 51–54
 - Observer role
 - Sample Observer form, 649
 - usability tests, 637–638
 - Web site evaluation plan, 643
 - OBVIOUS LINKS (K10), 581–585, 721–722. *See also*
 - Hypertext links, obvious
 - Ogilvy, David, 238
 - Ogilvy on Advertising* (Ogilvy), 238
 - Online calendars, 41
 - Online communities
 - importance of, 42
 - support from, 39
 - Online exhibits, 168–169
 - Online prototypes, usability tests, 635–636
 - Online research, 649–667
 - comparing tools for, 665–667
 - development phases and, 652–653
 - goals of, 652
 - intercept research and, 660
 - market research and, 654
 - participants, product view of, 656
 - participants, recruiting, 660–661
 - questions, selecting for, 656–659
 - running tests, 656–661
 - usability research and, 654–655
 - vs. traditional research, 649
 - Online shopping
 - avoiding surprises, 114
 - convenience and, 112–114
 - personalized recommendations and, 426
 - returns, 115
 - Online testing, 84
 - Onward transfer, safe harbor principles, 330
 - Open-source software, 684
 - Options, product details and, 362
 - Order confirmation, 400–403
 - applying and adding related features, 403
 - checkout process and, 356
 - e-mailing, 402
 - encouraging continued shopping, 402
 - gift giving and, 450
 - key elements of, 402
 - order number and date, highlighting, 401
 - overview of, 400–401
 - as printable page, 402
 - shipping to multiple addresses, 444
 - thanking customers, 401
 - ORDER CONFIRMATION AND THANK-YOU (F8), 400–403
 - Order summary, 395–399
 - applying and adding related features, 398–399
 - checkout process and, 355

- gift giving and, 450
 - key elements of, 397–398
 - order ready to complete, 396
 - overview of, 395–396
 - ORDER SUMMARY (F7), 395–399
 - ORDER TRACKING AND HISTORY (G7), 453–459
 - Orders, 453–459
 - allowing modification, 456
 - applying tracking and history system, 459
 - highlighting number and date, 401
 - indicating product availability, 456
 - overview of, 453–454
 - providing access to, 454
 - related features, 459
 - sorting by chronology, 454
 - status of, 456–457
 - tracking, 114, 457
 - Organization, alphabetical, 203–205
 - limiting list to single page, 204
 - overview of, 203
 - search results, 538
 - use of links to each letter group, 205
 - when to use, 204
 - Organization, category-based, 214–217
 - consistency of layout, 215–216
 - consistency of navigation, 216
 - overview of, 214
 - related features, 217
 - use of strong feedback, 216
 - Organization, chronological
 - displaying in lists or timelines, 206–207
 - formats for, 207
 - limiting lists to 50 items or less, 207
 - overview of, 206
 - related features, 208
 - search results, 538
 - Organization of Web sites, for customer convenience, 157
 - Organization, popularity-based, 209–213
 - building list of popular content, 212
 - FAQs and, 495
 - listing, 210–211
 - overview of, 209
 - related features, 213
 - setting time periods for lists of, 211
 - Organization, searches. *See* Search results, organizing
 - Organization, task-based
 - account management system, 480
 - linking related tasks, 199, 202
 - overview of, 198
 - related features, 202
 - scenarios of related tasks, 200–201
 - studying customer needs, 200
 - Organizational profile, about us page, 341–342
 - Organizational schemes, browsable content and, 190
 - ORGANIZED SEARCH RESULTS (J3), 537–543, 719–720. *See also* Search results, organizing
 - Outpost.com
 - above the fold and, 508
 - guest accounts and member accounts, 475
- P**
- p2p, 684
 - Page layouts. *See* Designing Effective Page Layouts
 - Page not found, 598–600
 - applying and adding related features, 600
 - overview of, 598–599
 - PAGE NOT FOUND (K14), 598–600, 722
 - Page templates, 244–250
 - adding variation with patterns, 248
 - applying and adding related features, 250
 - defined, 684–685
 - defining global and individual templates, 245–247
 - grid layout and, 245, 250, 504
 - overview of, 244
 - presenting recommendations with, 432
 - using to facilitate news updates, 119
 - PAGE TEMPLATES (D1), 244–250, 708
 - Palen, Leysia, 41
 - Paper prototypes
 - kit for, 77
 - usability tests and, 634–635
 - Participant Feedback reports, 641
 - Participants, usability tests, 630–633
 - between-groups vs. within-groups experiments, 632
 - compensating, 631
 - debriefing, 638
 - defined, 685
 - greeting and starting tests, 636–637

- Participants, usability tests (*continued*)
 - not recruiting family or friends, 630–631
 - observing, 637–638
 - product view of, 656
 - recruiting, 660–661
 - selecting right number of, 631–632
 - supporting, 633
- Partners
 - company sites addressing needs of, 153
 - listing on about us page, 344
- Passwords, forgotten, 468
- Pattern groups, 25. *See also* by individual type
- A Pattern Language: Towns, Buildings, Construction* (Alexander), 19–20
- Patterns, 19–29
 - action buttons example, 20–23
 - customer-centered design, 15–16
 - defined, 19–20, 685
 - elements and element order of, 23–25
 - example using, 26–29
 - forces effecting, 21–22
 - interaction of higher and lower level patterns, 22
 - organization of, 25
 - organizing into groups, 107
 - resources for, 696–697
 - scenario building and, 46–47
- Payment method, 389–394
 - applying and adding related features, 394
 - billing information form, 390–392
 - credit card information, storing, 392–393
 - easy choices, 390
 - overview of, 389–390
 - redeeming gift certificates, 393
 - security concerns and, 390
- PAYMENT METHOD (F6), 389–394
- PBS.org, interface, 166
- PDAs (personal digital assistants)
 - accessibility options and, 219
 - defined, 685
- PDF (Portable Document Format), 685
- Peer-to-peer architecture, 685
- Pending orders, product availability and, 456
- People
 - basic characteristics of, 34–35
 - task analysis, 44
 - viewing customers as individuals, 32–33
- People for the Ethical Treatment of Animals (PETA), 614
- Periodic backups, 685
- Perl language, 685
- Persistent cookies, 484
- Persistent customer sessions, 482–487
 - applying and adding related features, 487
 - defined, 685
 - overview of, 482–483
 - vs. temporary sessions, 483–485
 - warning about putting sensitive data in session IDs, 486
- PERSISTENT CUSTOMER SESSIONS (H5), 482–487, 716
- Personal digital assistants (PDAs)
 - accessibility options and, 219
 - defined, 685
- PERSONAL E-COMMERCE (A1), 110–118, 700–701.
 - See also* E-commerce
 - example using, 26–27
- Personal information
 - backgrounds, 268
 - building trust and, 355
 - privacy policies and, 337–338
 - use and protection, 331–332
- Personalization
 - defined, 685
 - Discovery phase and, 91–92
 - homepages, 230
 - Yahoo!'s use of, 231
- PERSONALIZED CONTENT (D4), 263–273, 708–709.
 - See also* Content, personalized
- PERSONALIZED RECOMMENDATIONS (G3), 425–432, 715. *See also* Recommendations, personalized
- Personas, defined, 685
- Personas, scenario building and, 46
- PETA (People for the Ethical Treatment of Animals), 614
- Phillips Academy site, 157
- PHP (PHP: Hypertext Preprocessor), 686
- Physical disabilities, accessibility options, 220
- Pilot tests
 - defined, 686
 - task and customer analysis, 43
 - usability testing, 634
- PKI (public key infrastructure), 687
- Placement strategy, first reads and, 514

- Platforms, cross-platform compatibility, 173
- Plug-ins, removing unnecessary, 603, 686
- PNG (Portable Network Graphics) images, 607, 686
- Policies. *See also* Privacy policies
 - new content, 181
 - return policy, 405
 - for writing reviews, 436
- Pop-under windows, 686
- Pop-up windows, 488–492
 - applying and adding related features, 492
 - automatic, 489, 670
 - context-sensitive help and, 501
 - defined, 686
 - embedded links and, 570
 - link-based, 490
 - overview of, 488–489
 - process funnel and, 464
 - sparing use of, 491
- POP-UP WINDOWS (H6), 488–492
- POPULARITY-BASED ORGANIZATION (B7), 209–213, 705–706
- Portable Document Format (PDF), 685
- Portable Network Graphics (PNG) images, 607, 686
- Portals, 686
- Posts, to message boards, 279–281
- PostScript (PS), 686
- PREVENTING ERRORS (K12), 590–593, 722. *See also* Error prevention
- Price information
 - product details and, 362
 - removing from gifts, 450
- Principles. *See also* Customers, principles
 - customer-centered design, 15–16
 - defined, 686
 - design, 68–70
 - safe harbor, 329–331
- Print button, printer friendly pages and, 299
- Printable pages
 - applying and adding related features, 301
 - guidelines for use of, 299
 - order confirmation and thank-you as, 402
 - overview of, 298
- PRINTABLE PAGES (D8), 298–301
- Privacy
 - government services and, 138
 - message boards and, 275
 - personalized recommendations and, 431
 - shoppers concern with, 114
 - sign-in/new account and, 468
 - Web applications and, 175
- Privacy policies, 334–339
 - applying and adding related features, 338
 - availability of, 334–335
 - children and, 335–336
 - clarity and conspicuousness, 331, 332
 - fair information practices and, 335
 - legal exceptions, 337
 - overview of, 334–335
 - personal information and, 337–338
 - sign-in/new account and, 468
 - U.S. government sites and, 336–337
- PRIVACY POLICIES (E4), 334–339, 713
- Problems Found reports, 641
- Proceed to Checkout button, 371
- Process data
 - analyzing, 639–640
 - defined, 686
 - online prototypes and, 635–636
 - online testing and, 83
 - usability testing and, 628
- Process funnel, 462–465
 - applying and adding related features, 464–465
 - Back button and, 464
 - error prevention, 464
 - minimizing steps in tasks, 463
 - overview of, 462–463
 - pop-up windows and, 464
 - progress bars and, 463
 - removing unnecessary links and content, 463
- PROCESS FUNNEL (H1), 462–465, 716
- Processes
 - customer-centered design, 15–16
 - defined, 686
- Product availability
 - pending orders and, 456
 - shopping cart and, 372
- Product details, 359–368
 - applying and adding related features, 368
 - key elements, locating, 361–364
 - overview of, 359–360
 - product specs, 364–365
 - secondary elements, locating, 365

Product details (*continued*)
 shopping cart and, 371–372
 template for, 361
 Product specs, 364–365
 Production phase
 defined, 686–687
 deliverables, 98–100
 online research and, 653
 as step in development process, 88
 Products
 easy selection of preferred, 428
 multiple ways to locate, 112
 Products, featured, 410–416
 applying and adding related features, 416
 e-commerce and, 116
 editorial voice in promotion of, 411
 encouraging exploration, 415
 methods for featuring, 416
 overview of, 410–411
 recommendations, variety of, 411–414
 Professional groups, 725
 Professional respondents, 57, 687
 Profiles, 687
 Profitability, correlation with customer satisfaction, 7
 Progress bars, process funnel and, 463
 Progressive-scan images, 609–610, 687
 Protocols, 687
 Prototypes
 computer-based tools, avoiding in early stages, 77–78
 computer-based tools, switching to, 78–79
 defined, 687
 high-fidelity prototyping, 76
 horizontal and vertical prototypes, 80
 iterative design stages and, 62
 limitations of, 81
 low-fidelity prototyping, 74–75
 medium-fidelity prototypes, 79
 online prototypes, 635–636
 paper prototypes, 77, 634–635
 rapidity of, 70–71
 site maps, storyboards, and schematics, 71–74
 Proxies, 687
 PS (PostScript), 686
 Pseudonyms, 687
 Psychographics, 687

Public key infrastructure (PKI), 687
 Public relations, about us page and, 344
 Publishing system, content management and, 252
 Python language, 687

Q

Quality assurance
 defined, 687
 groups, Web site design and, 14–15
 Question bias, 649, 687
 Questions
 list of questions for online research, 655–656
 types of questions for online research, 659
 QUICK ADDRESS SELECTION (F4), 377–383. *See also*
 Address selection
 QUICK-FLOW CHECKOUT (F1), 352–358. *See also*
 Checkout, quick-flow
 Quick purchase option, cross-selling and
 up-selling, 421–422
 QUICK SHIPPING METHOD SELECTION (F5), 384–388.
 See also Shipping methods

R

Rankings, search engine, 285–288
 Rare products, 412
 Ratings
 meta-ratings of reviewers, 436–439
 preferred products, 428
 products, 364
 Rec.birds newsgroup, FAQ page, 497
 Recognition vs. recall, design principles and, 68–69
 Recommendation community, 433–441. *See also*
 Community conferences
 applying and adding related features, 440
 helping community members write reviews, 435–436
 meta-ratings, 436–439
 overview of, 433–434
 policies for, 436
 pump priming, 440
 RECOMMENDATION COMMUNITY (G4), 433–441, 715
 Recommendations, personalized, 425–432
 applying and adding related features, 432
 easy selection of preferred products, 428

- featured products and, 411–414
 - inference data and, 426–428
 - inviting customers to state needs, 428–429
 - levels of, 429
 - multiple and repeated recommendations, 431
 - overview of, 425–426
 - privacy concerns and, 431
 - reliability of, 429
 - Red-green deficiency, 687
 - Red tape, government services and, 136
 - RedEnvelope, cross-selling and up-selling, 419
 - References, checking, 119
 - Refinement phase
 - defined, 688
 - deliverables, 96–98
 - online research and, 653
 - as step in development process, 88
 - Rehabilitation Act, 219
 - Relative table widths, screen size and, 518
 - Reliable data
 - defined, 688
 - measurable goals and, 67
 - surveys and, 56
 - Remote usability testing, 627, 688
 - Reports, usability tests, 641–642
 - Requirements document, 94
 - Resources
 - Advanced E-Commerce (G), 715
 - Basic E-Commerce (F), 714–715
 - Building Trust and Credibility (E), 712–714
 - Creating a Navigation Framework (B), 705–706
 - Creating a Powerful Homepage (C), 707–708
 - customer-centered design, 695–696
 - customer-centered Web sites, 700
 - design patterns, 696–697
 - Designing Effective Page Layouts (I), 717–718
 - further reading, 724–725
 - Helping Customers Complete Tasks (H), 716–717
 - for information in appendixes, 724
 - iterative design, 699–700
 - knowing customers, 696–697
 - Making Navigation Easy (K), 720–722
 - Making Site Search Fast and Relevant (J), 718–720
 - professional groups, 725
 - Site Genres (A), 700–705
 - Speeding Up Your Site (L), 722–723
 - Writing and Managing Content (D), 708–711
 - Response time, 688
 - Returns, 404–408
 - applying and adding related features, 408
 - overview of, 404–405
 - policy, 405
 - return process funnel, 405–408
 - shoppers desire for ease of, 115
 - Returns process funnel, 405–408
 - REUSABLE IMAGES (L5), 621–623, 723
 - Reviews
 - customer and expert, 365
 - helping community members write, 435–436
 - links to, 364
 - policies for writing, 436
 - Robots file, exclusion standards, 287–288
 - Roles
 - usability tests, 634
 - Web site evaluation plan, 643
 - Rollout, 688
 - Rollover, 688
 - Rotary International, gift management and, 143
 - Rules, message boards, 278
- S**
- Safe harbor principles, 329–331
 - Safe harbor Web site, 328
 - Saffo, Paul, 39
 - Salesforce.com
 - billing information page, 392
 - linking related tasks, 199
 - as Web application, 171
 - Sample bias, 649, 688
 - San Jose, California, e-government example, 137
 - Save Billing Info button, 392
 - Save gift options button, 450
 - Scalable Vector Graphics (SVG) images, 690
 - Scale, 688
 - Scenario building, 45–49
 - overview of, 45
 - patterns and, 46–47
 - personas in, 46
 - related tasks and, 200–201
 - storyboard and, 46, 71
 - task selection for, 47–49

- Scenarios, defined, 688
- Schematics, Exploration phase, 74–75, 96, 688
- Scoring methods, personalization, 270
- Screen readers, 221, 688
- Screen resolution
 - choosing minimum, 509
 - first reads and, 514–515
- Screen size, expanding width
 - applying and adding related features, 520
 - designing with minimum width in mind, 520
 - mixing absolute and relative widths, 518–519
 - overview of, 517–518
 - relative table widths and, 518
- Screen size, fixed width
 - applying and adding related features, 524
 - overview of, 521–522
 - Web browsers and, 522
- Search action module
 - applying, 532
 - creating simple search tool, 531–532
 - overview of, 530–531
 - related features, 533
 - search tool placement, 532
- SEARCH ACTION MODULE (J1), 530–533, 718–719
- Search engines, 283–290
 - counterproductive strategies, 288–289
 - crawlers and spiders, 284
 - distinctive titles, 285
 - FAQs and, 495
 - HTML titles and, 303
 - keywords, 286
 - META tags, 286–287
 - overview of, 283–284
 - robots exclusion standards, 287–288
 - strategies for improving site rankings, 285–288
 - Web crawler accessibility, 287
- Search forms
 - applying and adding related features, 536
 - boolean expressions and, 535
 - category searches, 535–536
 - exact matches and, 535
 - overview of, 534–535
- Search results, organizing
 - applying and adding related features, 542
 - HTML titles and, 538
 - log files, analyzing for search term selection, 538–539
 - logical schemes, 538
 - misspellings, compensating for, 539–540
 - overview of, 537–538
 - relevant summaries, 538
 - search task support, 541–542
- Searches. *See also* Making Site Search Fast and Relevant (J)
 - defined, 688
 - improving capabilities, 124
 - navigation style, 185, 187
 - task support, 541–542
- Secure connections, 347–350
- SECURE CONNECTIONS (E6), 347–350, 714
- Secure Electronic Transaction (SET), 689
- Secure Sockets Layer (SSL), 347, 689–690
- Security
 - payment method and, 390
 - safe harbor principles and, 330
 - shoppers concern with, 114
 - Web applications and, 175
- SELF-SERVICE GOVERNMENT (A4), 135–139, 702–703. *See also* Government services
- Sensitive data, session IDs and, 486
- SEPARATE TABLES (L3), 614–616, 723. *See also* HTML tables
- Servers. *See also* Web servers
 - client-server architecture, 673
 - defined, 689
- Servlets, 689
- Session cookies, 483, 689. *See also* Cookies
- Session IDs
 - defined, 483, 689
 - sensitive data and, 486
- Sessions. *See* Persistent customer sessions; Temporary customer sessions
- SET (Secure Electronic Transaction), 689
- Shedroff, Nathan, xxix
- Ship to multiple addresses button, 443
- Shipping and handling costs, avoiding hidden, 385
- Shipping methods, 384–388
 - applying and adding related features, 387
 - costs, 386
 - delivery options, 385
 - overview of, 384–385
 - times, 386
- Shipping, to multiple destinations, 442–446
 - address selection, 444
 - allowing customers to choose, 443

- applying and adding related features, 446
 - order confirmation and, 444
 - overview of, 442–443
- Shneiderman, Ben, 68
- Shopping. *See also* Online shopping
 - continuing after adding item to cart, 370
 - encouraging continued, 402
 - product details and, 360, 362
- Shopping cart, 369–376
 - allowing continued shopping, 370
 - applying and adding related features, 376
 - cross-selling and up-selling, 373–374
 - defined, 689
 - easy access to, 370
 - example using, 27
 - observing local customs, 374
 - overview of, 369–370
 - proceed to checkout, 370
 - product availability, 372
 - product details and, 371–372
 - showing cart contents, 375
 - storing for later use, 372–373
- SHOPPING CART (F3), 369–376, 715
- Shortcuts, HTML title as, 303–305
- Shrinking images, download speed and, 607–608, 689
- Shutterfly site, order history, 455
- Side-running navigation bars, 551
- Sidebars
 - applying and adding related features, 528
 - consistent location of, 526
 - content management and, 252–253
 - determining maximum length of, 526
 - overview of, 525–526
- Sign-in/new account, 466–471
 - applying and adding related features, 470
 - error prevention, 468
 - fields, optional vs. required, 467
 - first time customers, 470
 - forgotten passwords, 468
 - minimizing information needed for, 467
 - overview of, 466–467
 - privacy concerns and, 468
- SIGN-IN/NEW ACCOUNT (H2), 466–471, 716
- Sign in procedures, message boards, 278
- Sign up, e-mail subscriptions, 323–325
- SITE ACCESSIBILITY (B9), 218–226, 707. *See also*
 - Accessibility options
 - applying and adding related features, 446
 - order confirmation and, 444
 - overview of, 442–443
- Site branding, 316–321
 - applying and adding related features, 321
 - customer likes/dislikes, 318–319
 - defined, 671
 - differentiation, 317–318
 - Discovery phase and, 91
 - homepages and, 229
 - identification, 320
 - overview of, 316–317
- SITE BRANDING (E1), 316–321, 712
- Site evaluation, iterative design, 81–85
- Site Genres (A), 108–182
 - COMMUNITY CONFERENCE (A3), 125–134
 - EDUCATIONAL FORUMS (A8), 159–165
 - ENABLING INTRANETS (A11), 177–182
 - GRASSROOTS INFORMATION SITES (A6), 146–151
 - NEWS MOSAICS (A2), 118–124
 - NONPROFITS AS NETWORKS OF HELP (A5), 140–145
 - PERSONAL E-COMMERCE (A1), 110–117
 - resources for, 700–705
 - SELF-SERVICE GOVERNMENT (A4), 135–139
 - STIMULATING ARTS AND ENTERTAINMENT (A9), 166–170
 - VALUABLE COMPANY SITES (A7), 152–158
 - WEB APPS THAT WORK (A10), 171–177
- Site maps, Exploration phase, 71–73, 96, 689
- Site searches. *See* Making Site Search Fast and Relevant (J)
- Sites. *See* Web sites
- Snapfish.com
 - address selection, 382
 - FAQ page, 493
 - order confirmation and thank-you, 356, 400
 - order summary, 398
- Sociability, community conferences and, 132
- Social issues
 - principles for knowing customers, 41–42
 - task analysis and, 44–45
- Software testing, Web site design and, 14–15
- Solution diagrams, 689
- Spam, e-mail, 689
- Specification documents, 94, 689
- Speeding Up Your Site (L), 601–623
 - FAST-DOWNLOADING IMAGES (L2), 606–613
 - HTML POWER (L4), 617–620
 - LOW NUMBER OF FILES (L1), 602–605
 - resources for, 722–723

Speeding Up Your Site (L) (*continued*)

REUSABLE IMAGES (L5), 621–623

SEPARATE TABLES (L3), 614–616

Spiders, 284, 674

Splash screen, 154–157, 689

SSL (Secure Sockets Layer), 347, 689–690

Standard error of the mean, 640

Standards, mobile Internet, 223–224

Staples.com, shopping carts and, 375

Statistical analysis, 641

Statistical validity

defined, 690

measurable goals and, 67

surveys and, 56

Stickiness, Web sites, 690

STIMULATING ARTS AND ENTERTAINMENT (A9),
166–170, 704. *See also* Arts and entertain-
ment sites

Storyboards

defined, 690

Exploration phase and, 96

iterative design and, 74

scenario building and, 46

STRAIGHTFORWARD SEARCH FORMS (J2), 534–536,
719. *See also* Search forms

Streaming data, 690

Strings, separating from code, 309

Structured text fields, error prevention and, 591

Student development, educational sites, 160

Style guides, 690

Subcategories, limiting in hierarchies, 195

Subjective metrics, 67–68

Subscription, news mosaics, 124

Subsites, 690

Suggested Improvements reports, 642

Sun Microsystems site

audience targeted navigation links, 157

content modules, 251

variations of page elements, 248

Support community, 39

Surveys

customer participation in creating value
propositions, 240

techniques for knowing customers, 55–56

usability tests and, 638

Sustainability, community conferences, 132–133

SVG (Scalable Vector Graphics) images, 690

Sydney, Australia, access to government
information, 135

Synchronous communications, 126–127, 690

T

Tab rows, 554–557

applying and adding related features, 557

identifying active tab, 555

indicator line for, 556

limitations of, 556

overview of, 554–555

TAB ROWS (K3), 554–557, 720

Tables. *See also* HTML tables

absolute and relative widths, 518–519

removing from printer friendly pages, 299

simplifying and dividing, 614–616

Target audiences, xxxii

Target customers, 674, xxxi. *See also* Customers

Task analysis

defined, 691

Discovery phase and, 93

techniques for knowing customers, 43–45

understanding customer tasks, 37

TASK-BASED ORGANIZATION (B4), 198–202,

705–706. *See also* Organization, task-based

Task-related questions, task analysis, 44

Task training, principles for knowing customers,
38–39

Tasks. *See also* Helping Customers Complete

Tasks (H)

context-sensitive help and, 500

defined, 691

linking related, 199, 202

list for companies, 155

list for intranets, 180

process funnel, 463

selecting for scenario building, 47–49

selecting for usability tests, 628–630

simple, medium, and hard difficulty, 629

tailored for user groups of educational sites
and, 162

understanding customer tasks, 36–37

Web site evaluation plan, 644–645

Taxpayers Australia, guest accounts, 475

TCP/IP (Transmission Control Protocol/Internet
protocol), 691

- Technical Specifications, Production phase, 99–100
 - Technology
 - educational, 163–164
 - principles for knowing customers and, 40–41
 - task analysis and, 44
 - technology-centered design, 10–11
 - Technology-center designed, 691
 - Templates. *See also* Page templates
 - new addresses, 378–381
 - product details, 361
 - global vs. individual, 245–247
 - use in Refinement phase, 97
 - Web page, 100
 - Temporary customer sessions, 483–485
 - defined, 691
 - Test Plan Document, Implementation phase, 102
 - Testing first reads, 515
 - Tests. *See* Usability tests
 - Text hyperlinks, navigating between pages, 559
 - Text vs. HTML messages, e-mail, 326
 - Think-aloud protocol
 - defined, 691
 - informal evaluations and, 83
 - usability tests and, 636–637
 - Thumbnails
 - cropping and shrinking, 608
 - defined, 691
 - product details and, 362
 - speeding up sites and, 604
 - Time-related events, 206
 - Timelines, displaying, 206–207
 - Times, shipping methods and, 386
 - TITLE attribute, hypertext links, 583
 - Titles. *See* HTML titles
 - Toolkits, 691
 - Top-and-left navigation bars, 551
 - Top-running navigation bars, 551
 - Top-selling products, 412
 - Tracking orders, 457, 459
 - Tracking visits and history, 271
 - Trail markers. *See* Location bread crumbs
 - Training, task, 38–39
 - Translators, hiring, 310
 - Transmission Control Protocol/Internet protocol (TCP/IP), 691
 - Trust and credibility. *See also* Building Trust and Credibility (E)
 - checkout process and, 355
 - community conferences, 132
 - easy returns and, 404
 - government services, 138
 - information reference sites, 148
 - Tufte, Edward, 68
 - Tutorials, 691
 - TVEyes, focused advertisements, 325
 - 24/7, 669
- U**
- UI (user interface), 691
 - Underlining, hypertext links, 582
 - Undersampling bias, 649
 - defined, 691
 - Unified browsing hierarchy, 545–549
 - applying and adding related features, 548
 - forcing visitors to return to homepage, 547
 - linking related categories, 547–548
 - overview of, 545–546
 - related features, 549
 - UNIFIED BROWSING HIERARCHY (K1), 545–549
 - Uniform Resource Locator (URL), 692
 - Unmoderated forums, 691
 - Unmoderated vs. moderated forums, 128, 275–276
 - UP-FRONT VALUE PROPOSITION (C2), 237–241, 708.
 - See also* Value propositions
 - Up-selling. *See also* Cross-selling and up-selling
 - defined, 418, 692
 - e-commerce and, 117
 - shopping cart and, 373–374
 - Updates, Implementation phase and, 102
 - URL (Uniform Resource Locator), 692
 - U.S. Department of Commerce, safe harbor Web site, 328
 - U.S. Government, privacy policies, 336–337
 - U.S. Mint
 - account management and, 479
 - guest accounts and member accounts, 474
 - U.S. Privacy Act of 1974, 329
 - Usability
 - design evaluation and, 83–84
 - FAQs and, 495

Usability (*continued*)

- focus of Web applications on, 175
- intuitive vs. training, 38
- methods for measuring, 84
- unifying with design and marketing, 8–9

Usability research

- online research and, 654–655
- tools for, 665

Usability tests. *See also* Web site evaluation plan

- common mistakes in running, 637
- data analysis, 639–641
- goal setting, 627–628
- key roles, 634
- online prototypes, 635–636
- paper prototypes, 634–635
- participants, recruiting, 630–632
- participants, supporting, 633
- pilot tests, 634
- reporting results, 641–642
- task selection for, 628–630
- test location, 633
- testing process, 636–638

Use case, 692

Use this address button, 378

User-centered design, 9–10, 692

User experience. *See* Customer experience**V**

Validate fields, addresses, 381

VALUABLE COMPANY SITES (A7), 152–158, 703. *See also* Company sites

Value propositions

- applying and adding related features, 240–241
- articulation of, 238–239
- defined, 692
- Discovery phase, 91–92
- homepages and, 237
- overview of, 237–238
- requirements of, 238
- selecting, involving customers in, 240
- selecting, picking candidates, 239
- Web applications, 175

Value ranking, 147, 692

van Duyne, Doug, 741, xxvii

Verbal protocol

- defined, 692
- informal evaluations and, 83

Vertical prototypes, 80, 692

Virtual testing, 692

Visitors, Web sites

- bread crumbs and, 566
- educational sites and, 161–162
- inviting personalization by, 265–267
- mapping content to, 269
- tracking visits and history, 271

Visual design. *See* Graphic design

Visual disabilities, accessibility options, 220–222

Vividence, online research tools, 665–667

Volunteer Match, matching volunteers to non-profits, 140

Vortals, 692

W

W3C (World Wide Web Consortium), 607, 692

Walk-through, 692

Wal-Mart site

- ease of navigation, 189
- gift giving and, 448–449
- shipping to multiple addresses, 442, 443

Want vs. needs, customers, 42–43

WAP (Wireless Application Protocol), 692

Weather Channel, use of ALT attribute, 222

Web applications

- applying and adding related features, 176
- converting traditional software to, 173–174
- customer roles supported by, 175
- help functions, 175
- informative feedback, 174–175
- overview of, 171–172
- security and privacy, 175
- trying before buying, 172–173

WEB APPS THAT WORK (A10), 171–177, 704

Web browsers

- cross-browser compatibility, 173
- defined, 692
- downloading from Web servers to, 483
- global access and, 312
- HTML titles and, 303
- inference data and, 426
- reusable images and, 623
- screen size, expanding width, 518
- screen size, fixed width, 522

- secure and insecure connections, 348–349
- tables, speeding display of, 614–615
- window resizing and, 246
- Web crawlers
 - accessibility, 287
 - defined, 284, 674
 - exclusion standards, 287–288
- Web design, 3–17
 - balanced approach to, xxxiii
 - company-centered, 10
 - customer-centered, 5–8, 12–16
 - designer-centered, 11–12
 - evolution of, 4–5
 - incremental improvement in practices for, xxxiv
 - technology-centered, 10–11
 - unifying with usability, and marketing, 8–9
 - user-centered, 9–10
- Web design professionals, value of this book to, xxxii
- Web interfaces
 - guidelines, 13–14, 693
 - redesigning before launch, 12–13
- Web page templates, Production phase, 100
- Web pages
 - determining importance of elements on, 513
 - grid layout on, 505–506
 - organizing, 53–54
 - skimming, 579–580
- Web research. *See* Online research
- Web servers
 - Apache, 670
 - defined, 693
 - downloading to browsers, 483
- Web servers, downloading to browsers, 483
- Web site design. *See* Web design
- Web site evaluation plan, 643–645. *See also* Usability tests
 - Consent form, 647–648
 - debriefing, 645
 - introduction, 643–644
 - roles, 643
 - tasks, 644–645
- Web site genres. *See* Site Genres (A)
- Web site resources
 - customer-centered design, 696
 - design patterns, 697
 - knowing customers, 697
- Web sites
 - analysis, 58
 - building, 109
 - credits, 344
 - factors that put off customers, 8
 - implementation/feature problems, 64–65
 - link names and, 578–579
 - redesigning, 653–654
 - signs things are going badly, 11
- Weights, internationalization/localization and, 311
- WELL community, use of real names to build trust, 130
- Whatis.com, embedded links, 568
- Whitespace, 693
- Widgets, 693
- Width attributes, images, 610
- Wireframes, 693
- Wireless Application Protocol (WAP), 692
- Wireless Markup Language (WML), 693
- Wish lists, 364, 372
- Within-groups experiments
 - defined, 693
 - usability tests and, 632
- Wizard navigation style, 185, 187
- WML (Wireless Markup Language), 693
- Work reduction, principles for knowing customers, 37–38
- Workflow support, intranets, 179
- World News site, headlines and blurbs, 257
- World Wide Web Consortium (W3C), 607, 692
- Writing and Managing Content (D)
 - CONTENT MODULES (D2), 251–256
 - DISTINCTIVE HTML TITLES (D9), 302–307
 - HEADLINES AND BLURBS (D3), 257–262
 - INTERNATIONALIZED AND LOCALIZED CONTENT (D10), 308–313
 - INVERSE-PYRAMID WRITING STYLE (D7), 291–297
 - MESSAGE BOARDS (D5), 274–282
 - PAGE TEMPLATES (D1), 244–248
 - PERSONALIZED CONTENT (D4), 263–273
 - PRINTABLE PAGES (D8), 298–301
 - resources for, 708–711
 - WRITING FOR SEARCH ENGINES (D6), 283–289
- WRITING FOR SEARCH ENGINES (D6), 283–290, 710. *See also* Search engines
- Writing style, information reference sites, 149

X

XML (Extensible Markup Language), 693

Y

Yahoo!

- content modules and, 254
- descriptive headlines, 291
- hierarchical organization, 193
- homepage template, 244
- internationalization/localization and, 308
- keyword use by, 286
- linking related tasks, 199
- message boards and, 279

- minimalist design for fast downloads, 602
- navigation bars, 552
- personalization, 231, 263, 265
- popularity-based news, 210
- popularity of, 7
- printer friendly pages, 300
- subscribing to newsletters, 324
- unified browsing hierarchy, 546
- Video site, guidelines for reviewers, 435

Z

Zagat.com, search categories, 537