Index

A
abstractions 172
actions on tasks 138
active haptic feedback 237
affordance 234
agent 86
agent modeling methodology 65
agent-oriented software 64
alternate world syndrome 217
application domain 7
artificial neural networks 125
aspect descriptor 174
aspect type 174
associative user modeling 128
attitude 235
audience analysis 2
augmented reality 233, 236
augmented virtuality 236
authority 141

B
behavioral domain 1
bi-cameral mind 221
bookmarked 179
boundary class 21

C
class-type architecture 20
cognitive model 136
cognitive overhead 169
coherence 170
color pollution 245
common ground 135
completeness 169
computer-assisted surgery 233
computer-based training 236
conceptual model 171
conceptual space 172
consistency 22, 169
content-based retrieval 153
context-based navigation 169
context-navigation maps 19
context-sensitive visualization 180
contract development 39
contrast rule 23
courseware 85
CRC models 13
cultural analysis 2
cultural diversity 5
culture 4
cyborg 219

default reasoning 122
delivery 26
design learning studio 40
design perspective 29
desktop systems 236
development skillset 22
disorientation 169
dynamic Gestalt 35

E
E-commerce 7
educational 85
electronic commerce 71
entity-relationship 169
environment 3
ergonomics 3
essential modeling 12
essential user interface prototype 12
evaluation 5
evolution of consciousness 223
eXtreme programming (XP) 12

F
feature identification 124
field alignment 23
flexibility 235
formative 5
formative evaluation 6
fragmentation 170
full-lifecycle object-oriented testing (FLOOT) 24

G
gender 8
gender attitudes 8
genres 34
graphical user interface 2
guided tour 170, 179

H
haptic feedback 237, 245
high-dimensional index structure 153
horizontal specialization 176
human behavior 1
hyperbase engine 179
hypermedia data model 169
hyperreal 218
hyperspace 172

I
idolatry 222
image guided surgery 233
image-guided surgery 237
immersion 215
Immersion systems 236
Individualization 124
information intensity 215
inheritance 173
inhouse development 38
intelligent agents 64
interaction design 29, 31
interaction design education 40
interactive design process 5
interactive visualization 35
interactivity 2, 215
interface class 21
interface design 1
interface-flow diagrams 19
international user interface 5
intertwining of problem setting and problem solving 36
interviews 4
iterative process 5

L
layering 20
layout templates 173
learnability 234
link 167
link type 172
linkbase/repository 179
lost in hyperspace phenomenon 169

M
maintainable, end-user friendly, structured hypermedia 169
mental model 235
MESH 169

N
navigation 22
navigation context 173
node types 173
nodes 168
non-linear navigation 168

O
object-oriented 169
object-oriented software process 12
objectives 8
observation 4

P
passive haptic feedback 237
perception 4
performance analyses 2
postmodern 216
product development 38
professional software development 29
proprioceptive awareness 222
prototype walkthroughs 24
prototyping 12

R
reasoning under uncertainties 124
regression testing 24
repertoire of generative exemplars 33
representations 135
responsibilities 138
robotic surgery 233
rules 22

S
safety-critical components 235
Scandinavian participatory design projects 38
seduction 30
seductive qualities 30
simulation 216
social action space 34
software development lifecycle (SDLC) 11
software development process 5
software evolution 86
software process 11
standards 22
sterotypes 119
storyboard 5
structure-based retrieval 153
sub link type 177
subject management 95
summative evaluation 7
surveys 4

T
task analysis 2
tasks 138
telepresence 215
throughput 234

U
Unified Modeling Language 19
unified process 12
usability 18, 234
usage scenarios 25
use case 25
use qualities 32, 34
use-case modeling 13
user acceptance testing 24
user interface 180
user interface class 21
user interface management systems 114
user interface testing 24
user modeling 114

V
vertical link specialization 176
virtual reality 214
virtualization 214
visibility 234

W
Web 85
windows navigation diagrams 19
World Wide Web 168
WYSIWYG 18
WYSIWYN 18

X
XML documents 153