Index

A

```
Acceptance tests
        automated, 97–99
        communication and, <u>97</u>
        continuous integration and, <u>104–105</u>
        definition of, 94
        developer's role in, <u>100–101</u>
        extra work and, 99
        GUIs and, <u>103–105</u>
        negotiation and, <u>101–102</u>
        passive aggression and, <u>101–102</u>
        timing of, <u>99–100</u>
        unit tests and, <u>102–103</u>
        writers of, <u>99–100</u>
   Adversarial roles, 20–23
   Affinity estimation, <u>140–141</u>
   Ambiguity, in requirements, <u>92–94</u>
  Apologies, 6
   Apprentices, <u>183</u>
  Apprenticeship, <u>180–184</u>
   Arguments, in meetings, 120–121
  Arrogance, 16
  Automated acceptance testing, <u>97–99</u>
   Automated quality assurance, 8
  Avoidance, 125
B
  Blind alleys, <u>125–126</u>
  Bossavit, Laurent, 83
```

```
Bowling Game, 83
Branching, 191
Bug counts, 197
Business goals, <u>154</u>
Caffeine, 122
Certainty, 74
Code
     control, <u>189–194</u>
     owned, <u>157</u>
     3 AM, <u>53–54</u>
     worry, <u>54–55</u>
Coding Dojo, <u>83–87</u>
Collaboration, <u>14</u>, <u>151–160</u>
Collective ownership, <u>157–158</u>
Commitment(s), 41-46
     control and, 44
     discipline and, 47–50
     estimation and, 132
     expectations and, 45
     identifying, <u>43–44</u>
     implied, 134–135
     importance of, <u>132</u>
     lack of, <u>42–43</u>
     pressure and, 146
Communication
     acceptance tests and, 97
     pressure and, 148
     of requirements, <u>89–94</u>
Component tests
     in testing strategy, <u>110–111</u>
     tools for, <u>199–200</u>
```

```
Conflict, in meetings, 120–121
  Continuous build, 197–198
  Continuous integration, <u>104–105</u>
  Continuous learning, 13
  Control, commitment and, 44
  Courage, <u>75–76</u>
  Craftsmanship, <u>184</u>
  Creative input, <u>59–60</u>, <u>123</u>
  Crisis discipline, <u>147</u>
  Cucumber, 200
  Customer, identification with, 15
  CVS, <u>191</u>
  Cycle time, in test-driven development, 72
D
  Deadlines
        false delivery and, <u>67</u>
        hoping and, 65
        overtime and, 66
        rushing and, <u>65–66</u>
  Debugging, 60–63
  Defect injection rate, <u>75</u>
  Demo meetings, 120
  Design, test-driven development and, <u>76–77</u>
  Design patterns, 12
  Design principles, 12
  Details, <u>201–203</u>
  Development. see test driven development (TDD)
  Disagreements, in meetings, 120–121
  Discipline
        commitment and, <u>47–50</u>
        crisis, 147
  Disengagement, 64
```

```
Documentation, 76
  Domain, knowledge of, 15
   "Done," defining, <u>67</u>, <u>94–97</u>
  "Do no harm" approach, <u>5–10</u>
        to function, 5-8
        to structure, <u>8–10</u>
   Driving, <u>64</u>
E
  Eclipse, <u>195–196</u>
   Emacs, <u>195</u>
  Employer(s)
        identification with, 15
        programmers vs., <u>153–156</u>
   Estimation
        affinity, <u>140–141</u>
        anxiety, 92
        commitment and, 132
        definition of, <u>132–133</u>
        law of large numbers and, 141
        nominal, 136
        optimistic, <u>135–136</u>
        PERT and, <u>135–138</u>
        pessimistic, <u>136</u>
        probability and, 133
        of tasks, <u>138–141</u>
        trivariate, 141
  Expectations, commitment and, 45
  Experience, broadening, <u>87</u>
F
  Failure, degrees of, <u>174</u>
  False delivery, 67
```

```
FitNesse, <u>199–200</u>
   Flexibility, 9
   Flow zone, <u>56–58</u>
   Flying fingers, <u>139</u>
   Focus, <u>121–123</u>
   Function, in "do no harm" approach, <u>5–8</u>
G
   Gaillot, Emmanuel, 83
   Gelled team, <u>162–164</u>
   Git, 191–194
   Goals, <u>20–23</u>, <u>118</u>
   Graphical user interfaces (GUIs), <u>103–105</u>
   Green Pepper, 200
   Grenning, James, 139
   GUIs, <u>103–105</u>
H
   Hard knocks, <u>179–180</u>
   Help, <u>67–70</u>
        giving, 68
        mentoring and, <u>69–70</u>
        pressure and, <u>148–149</u>
        receiving, <u>68–69</u>
   "Hope," <u>42</u>
   Hoping, deadlines and, 65
  Humility, <u>16</u>
I
   IDE/editor, 194
   Identification, with employer/customer, 15
   Implied commitments, 134–135
   Input, creative, <u>59–60</u>, <u>123</u>
```

```
Integration, continuous, <u>104–105</u>
   Integration tests
        in testing strategy, <u>111–112</u>
        tools for, <u>200–201</u>
  IntelliJ, <u>195–196</u>
  Interns, 183
  Interruptions, <u>57–58</u>
  Issue tracking, <u>196–197</u>
  Iteration planning meetings, <u>119</u>
  Iteration retrospective meetings, 120
J
  JBehave, 200
   Journeymen, <u>182–183</u>
K
  Kata, <u>84–85</u>
  Knowledge
        of domain, 15
        minimal, 12
        work ethic and, 11-13
L
  Lateness, <u>65–67</u>
  Law of large numbers, 141
  Learning, work ethic and, 13
  "Let's," <u>42</u>
  Lindstrom, Lowell, 140
  Locking, <u>190</u>
M
  Manual exploratory tests, in testing strategy, 112–113
   Masters, 182
```

```
MDA, <u>201–203</u>
  Meetings
        agenda in, 118
       arguments and disagreements in, 120–121
       declining, 117
       demo, 120
       goals in, <u>118</u>
       iteration planning, <u>119</u>
       iteration retrospective, 120
       leaving, 118
       stand-up, <u>119</u>
        time management and, 116–121
  Mentoring, <u>14–15</u>, <u>69–70</u>, <u>174–180</u>
  Merciless refactoring, 9
  Messes, <u>126–127</u>, <u>146</u>
  Methods, 12
  Model Driven Architecture (MDA), 201–203
  Muscle focus, <u>123</u>
  Music, <u>57</u>
N
  "Need," 42
  Negotiation, acceptance tests and, <u>101–102</u>
  Nominal estimate, 136
  Nonprofessional, 2
0
  Open source, <u>87</u>
  Optimistic estimate, <u>135–136</u>
  Optimistic locking, 190
  Outcomes, best-possible, 20–23
  Overtime, 66
  Owned code, 157
```

P

```
Pacing, <u>63–64</u>
Pairing, <u>58</u>, <u>148–149</u>, <u>158</u>
Panic, <u>147–148</u>
Passion, 154
Passive aggression, <u>28–30</u>, <u>101–102</u>
People, programmers vs., <u>153–158</u>
Personal issues, 54–55
PERT (Program Evaluation and Review Technique), <u>135–138</u>
Pessimistic estimate, 136
Pessimistic locking, 190
Physical activity, 123
Planning Poker, 139–140
Practice
     background on, <u>80–83</u>
     ethics, 87
     experience and, <u>87</u>
     turnaround time and, <u>82–83</u>
     work ethic and, 13–14
Precision, premature, in requirements, 91–92
Preparedness, <u>52–55</u>
Pressure
     avoiding, <u>145–147</u>
     cleanliness and, <u>146</u>
     commitments and, 146
     communication and, 148
     handling, <u>147–149</u>
     help and, <u>148–149</u>
     messes and, 146
     panic and, <u>147–148</u>
Priority inversion, <u>125</u>
```

```
Probability, <u>133</u>
  Professionalism, 2
  Programmers
        employers vs., <u>153–156</u>
        people vs., <u>153–158</u>
        programmers vs., 157
  Proposal, project, <u>31–32</u>
  Quality assurance (QA)
        automated, 8
        as bug catchers, 6
        as characterizers, <u>108–109</u>
        ideal of, as finding no problems, 108–109
        problems found by, 6-7
        as specifiers, 108
        as team member, <u>108</u>
R
  Randori, <u>86–87</u>
  Reading, as creative input, <u>59</u>
  Recharging, <u>122–123</u>
  Reputation, 5
  Requirements
        communication of, 89–94
        estimation anxiety and, 92
        late ambiguity in, 92–94
        premature precision in, 91–92
        uncertainty and, 91–92
  Responsibility, <u>2–5</u>
        apologies and, 6
        "do no harm" approach and, <u>5–10</u>
        function and, 5–8
```

```
structure and, <u>8–10</u>
        work ethic and, 10–16
   RobotFX, 200
  Roles, adversarial, <u>20–23</u>
   Rushing, <u>34–35</u>, <u>65–66</u>
S
   Santana, Carlos, 83
   "Should," 42
   Shower, <u>64</u>
   Simplicity, <u>34</u>
   Sleep, <u>122</u>
  Source code control, <u>189–194</u>
   Stakes, <u>23–24</u>
   Stand-up meetings, 119
   Structure
        in "do no harm" approach, <u>8–10</u>
        flexibility and, 9
        importance of, 8
   SVN, 191-194
   System tests, in testing strategy, 112
T
   Task estimation, <u>138–141</u>
   Teams and teamwork, 24–30
        gelled, <u>162–164</u>
        management of, <u>164</u>
        passive aggression and, <u>28–30</u>
        preserving, <u>163</u>
        project-initiated, <u>163–164</u>
        project owner dilemma with, <u>164–165</u>
        trying and, <u>26–28</u>
        velocity of, <u>164</u>
```

```
Test driven development (TDD)
     benefits of, 74–77
     certainty and, 74
     courage and, <u>75–76</u>
     cycle time in, 72
     debut of, <u>71–72</u>
     defect injection rate and, <u>75</u>
     definition of, 7–8
     design and, <u>76–77</u>
     documentation and, <u>76</u>
     interruptions and, <u>58</u>
     three laws of, 73-74
     what it is not, 77-78
Testing
     acceptance
             automated, <u>97–99</u>
             communication and, 97
             continuous integration and, <u>104–105</u>
             definition of, 94
             developer's role in, <u>100–101</u>
             extra work and, 99
             GUIs and, <u>103–105</u>
             negotiation and, 101–102
             passive aggression and, <u>101–102</u>
             timing of, <u>99–100</u>
             unit tests and, <u>102–103</u>
             writers of, <u>99–100</u>
     automation pyramid, <u>109–113</u>
     component
             in testing strategy, <u>110–111</u>
             tools for, <u>199–200</u>
     importance of, 7-8
     integration
```

```
in testing strategy, <u>111–112</u>
                tools for, <u>200–201</u>
       manual exploratory, 112–113
        structure and, 9
        system, 112
        unit
                acceptance tests and, <u>102–103</u>
                in testing strategy, <u>110</u>
                tools for, <u>198–199</u>
  TextMate, 196
  Thomas, Dave, <u>84</u>
  3 AM code, <u>53–54</u>
  Time, debugging, <u>63</u>
  Time management
       avoidance and, 125
       blind alleys and, <u>125–126</u>
       examples of, 116
       focus and, <u>121–123</u>
       meetings and, <u>116–121</u>
       messes and, <u>126–127</u>
       priority inversion and, 125
       recharging and, 122–123
       "tomatoes" technique for, <u>124</u>
  Tiredness, 53–54
  "Tomatoes" time management technique, 124
  Tools, 189
  Trivariate estimates, <u>141</u>
  Turnaround time, practice and, <u>82–83</u>
U
  UML, 201
  Uncertainty, requirements and, 91–92
  Unconventional mentoring, <u>179</u>. see also mentoring
```

```
Unit tests
         acceptance tests and, 102-103
         in testing strategy, <u>110</u>
         tools for, <u>198–199</u>
\mathbf{V}
   Vi, <u>194</u>
\mathbf{W}
   Walking away, <u>64</u>
   Wasa, <u>85–86</u>
   Wideband delphi, <u>138–141</u>
   "Wish," <u>42</u>
   Work ethic, <u>10–16</u>
         collaboration and, 14
         continuous learning and, 13
         knowledge and, <u>11–13</u>
         mentoring and, <u>14–15</u>
         practice and, <u>13–14</u>
   Worry code, <u>54–55</u>
   Writer's block, <u>58–60</u>
\mathbf{Y}
  "Yes"
         cost of, 30-34
         learning how to say, <u>46–50</u>
```