

Contents at a Glance

Introduction	1
Part 1: Getting Started with Scrum	5
CHAPTER 1: The Basics of Scrum	7
CHAPTER 2: The First Steps	27
Part 2: Scrum Product Development	45
CHAPTER 3: Planning Your Work	47
CHAPTER 4: The Talent and the Timing	67
CHAPTER 5: Release and Sprint Planning	89
CHAPTER 6: Getting the Most Out of Sprints	117
CHAPTER 7: Inspect and Adapt: How to Correct Your Course	137
Part 3: Scrum for Any Industry	147
CHAPTER 8: Software Development	149
CHAPTER 9: Tangible Goods Production	169
CHAPTER 10: Services	189
CHAPTER 11: Publishing: A Shifting Landscape	215
Part 4: Scrum for Business Agility	225
CHAPTER 12: IT Management and Operations	227
CHAPTER 13: Portfolio Management	247
CHAPTER 14: Human Resources and Finance	273
CHAPTER 15: Business Development	293
CHAPTER 16: Customer Service	313
Part 5: Scrum for Everyday Life	323
CHAPTER 17: Dating and Family Life	325
CHAPTER 18: Scrum for Life Goals	345
Part 6: The Part of Tens	367
CHAPTER 19: Ten Key Benefits of Scrum	369
CHAPTER 20: Ten Key Factors for Enabling Scrum	377
CHAPTER 21: Ten Key Resources for Scrum	383
Index	389

Table of Contents

INTRODUCTION	1
About This Book	1
Foolish Assumptions	2
Conventions Used in This Book	3
Icons Used in This Book	3
Beyond the Book	4
Where to Go from Here	4
PART 1: GETTING STARTED WITH SCRUM	5
CHAPTER 1: The Basics of Scrum	7
The Bird's-Eye Basics	8
Roadmap to value	8
Scrum overview	10
Scrum teams	11
Governance	12
Scrum framework	13
The Feedback Feast	16
Agile Roots	16
Three pillars of improvement	17
One Agile Manifesto	18
Twelve Agile principles	19
Three Platinum Principles	21
The Five Scrum Values	23
Commitment	24
Focus	24
Openness	24
Respect	24
Courage	25
CHAPTER 2: The First Steps	27
Getting Your Scrum On	28
Show me the money	28
I want it now	30
I'm not sure what I want	31
Is that defect a problem?	31
Your company's culture	32
The Power in the Product Owner	32
Why Product Owners Love Scrum	34
The Company Goal and Strategy: Part 1	35

Structuring your goal	36
Finding the crosshair.....	37
The Scrum Master	38
Scrum master traits.....	38
Scrum master as a true leader	40
Why scrum masters love scrum	40
Common Roles Outside Scrum	42
Stakeholders.....	42
Scrum mentors	43
PART 2: SCRUM PRODUCT DEVELOPMENT.....	45
CHAPTER 3: Planning Your Work.....	47
The Product Roadmap	47
Take the long view.....	48
Use simple tools	49
Create your product roadmap.....	50
Set your time frame	51
Breaking Down Requirements.....	52
Prioritization of requirements.....	53
Levels of decomposition.....	54
Seven keys for product development.....	54
Your Product Backlog	56
The dynamic to-do list	58
Product backlog refinement	58
Other possible backlog items	61
Product Backlog Common Practices.....	62
User stories	62
Personas.....	63
Further refinement	65
CHAPTER 4: The Talent and the Timing.....	67
The Developers	68
The uniqueness of scrum developers	69
Dedicated teams and cross-functionality	69
Ownership	72
Team collaboration	73
Getting the Edge on Backlog Estimation	77
Your Definition of Done	77
Common Practices for Estimating.....	79
Fibonacci numbers and story points	80
Velocity	85

CHAPTER 5: Release and Sprint Planning	89
Lean Startup	90
Release Plan Basics	92
Prioritize, prioritize, prioritize	95
Release goals	96
Release sprints	97
Release plan in practice	98
Sprinting to Your Goals	100
Defining sprints	100
Planning sprint length	101
Following the sprint life cycle	104
Planning Your Sprints	105
Sprint goals	105
Topic one	107
Topic two	107
Topic three	108
Your Sprint Backlog	108
The burndown chart benefit	109
Setting backlog capacity	111
Working the sprint backlog	112
Prioritizing sprints	114
CHAPTER 6: Getting the Most Out of Sprints	117
The Daily Scrum	118
Defining the daily scrum	118
Scheduling a daily scrum	120
Conducting a daily scrum	120
Making daily scrums more effective	120
Team Task Board	122
Swarming	124
Dealing with rejection	125
Handling unfinished requirements	126
The Sprint Review	127
The sprint review process	128
Stakeholder feedback	129
Product increments	129
The Sprint Retrospective	130
The sprint retrospective in a nutshell	132
Engaging sprint retrospectives	133
Inspection and adaptation	135

CHAPTER 7:	Inspect and Adapt: How to Correct Your Course	137
	Need for Certainty	137
	The Feedback Loop	138
	Transparency	140
	Antipatterns	141
	External Forces	142
	In-Flight Course Correction	142
	Testing in the Feedback Loop	143
	Culture of Innovation	144

PART 3: SCRUM FOR ANY INDUSTRY 147

CHAPTER 8:	Software Development	149
	Scrum and Software Development: A Natural Fit	150
	Software Flexibility and Refactoring	152
	Release often and on demand	153
	Customize your release sizes	153
	Inspect and adapt as you release	154
	Embracing Change	154
	Developer challenges	155
	Business alignment with technology	155
	Upfront engineering	157
	Emergent architecture	158
	Scrum Applications in Software	160
	Video-game development	160
	Services	163
	Customization products	167
CHAPTER 9:	Tangible Goods Production	169
	The Fall of Waterfall	170
	Construction	171
	The best in bids	172
	Scrum roles in construction	173
	Customer involvement	174
	The subcontractor dilemma	175
	Worker safety	176
	Scrum in Home Building	178
	Manufacturing	180
	Survival of the fastest to market	180
	Shareholder value	181
	Strategic capacity management	182
	Hardware Development	184
	Early identification of high-risk requirements	184
	Live hardware development	185

CHAPTER 10: Services	189
Health Care and Scrum	189
Speed to market	191
Reduced mistakes, increased quality	192
Cost cutting	194
Adhering to regulations	195
Medical device manufacturing and safety	197
A Worldwide Pandemic	199
Patient care	199
Ventilators	200
Dutch government responds to COVID-19 pandemic using scrum	200
Education and Scrum	203
Challenges in education	203
Preparing students for the future	204
Scrum in the classroom	206
Military and Law Enforcement	211
Turning the ship around	212
Special forces	213
Scrum and the FBI	213
CHAPTER 11: Publishing: A Shifting Landscape	215
A Changing Landscape in Publishing	216
Inspecting, adapting, and refactoring	216
Applying scrum	218
News Media and Scrum	220
Defining done for content	222
The news-media scrum team	223
Sprint flexibility	224
PART 4: SCRUM FOR BUSINESS AGILITY	225
CHAPTER 12: IT Management and Operations	227
Big Data and Large-Scale Migration	228
Data warehouse management	230
Enterprise resource planning	232
Commercial-Off-the-Shelf (COTS) Implementations	234
Oracle Primavera Unifier	234
ServiceNow	236
Broadcom's Clarity	236
DevOps and Beyond	237
Security challenges	238
Maintenance	239
Kanban within a scrum structure	240
Profit-and-Loss Potential	244
Innovation versus Stability	245

CHAPTER 13: Portfolio Management	247
Portfolio Management Challenges	248
People allocation and prioritization	248
Dependencies and fragmentation	250
Disconnect between projects and business objectives	251
Displaced accountability	251
Scrum solutions	252
De-scaling Scrum for Large Portfolios	253
A Vertical Slicing Overview	254
Scrum of Scrums	256
Developer scrum of scrums	256
Scrum master scrum of scrums	257
Large-Scale Scrum (LeSS)	258
LeSS framework	259
LeSS Huge framework	260
Scrum@Scale	262
The scrum master cycle	263
The product owner cycle	264
Synchronizing in one hour a day	265
Nexus	265
Nexus integration team	266
Nexus artifacts	267
Nexus events	268
Scaled Agile Framework (SAFe)	269
ARTs	270
PI planning	270
Empowerment	271
Complexity	271
CHAPTER 14: Human Resources and Finance	273
Human Resources and Scrum	274
Creating the Right Culture	275
HR and existing organization structures	276
HR and scrum in hiring	278
Performance reviews	279
Finance	285
Incremental funding	286
Scrum and budgets	289
CapEx and OpEx	289
CHAPTER 15: Business Development	293
Marketing Evolution	294
Scrum for Marketing	295

Determining the roadmap to value	297
Setting goals	297
Marketing Tools	299
Product canvas	299
Customer map	302
Personas	303
Scrum in Action (Marketing)	304
CA Technologies	304
The Gap Between Marketing and Sales	305
Scrum for Sales	306
The scrum sales process	307
Determining Roadmap to Value (Sales)	308
Scrum in Action (Sales)	309
CHAPTER 16: Customer Service	313
Customers: The Most Crucial Stakeholders	314
The service conundrum	315
Information overload	316
Scrum and Customer Service	317
Inspect and adapt through feedback	317
Customer service product backlog	318
Customer service definition of done	319
Look inward	320
Scrum in Action in Customer Service	321
PART 5: SCRUM FOR EVERYDAY LIFE	323
CHAPTER 17: Dating and Family Life	325
Finding Love with Scrum	326
Setting an end goal	328
Dating in layers	328
Discovering companionship and scrum	329
Dating with scrum	330
Winning as a team	331
Focusing versus multitasking	332
Planning your wedding with scrum	333
Families and Scrum	334
Setting family strategy and goals	335
Planning and setting priorities	337
Communicating with scrum	339
Inspecting and adapting for families	341
Making chores fun and easy	343

CHAPTER 18: Scrum for Life Goals	345
Getting to Retirement	345
Saving for emergencies	346
Building retirement	347
Securing financial freedom	348
Reducing debt	350
A holistic approach to your financial goal	350
Achieving Fitness and Weight Goals	351
Keeping Life Balance	353
Planning Travel	356
Studying	358
Learning early	359
Graduating from high school	360
Achieving in college	362
 PART 6: THE PART OF TENS	 367
CHAPTER 19: Ten Key Benefits of Scrum	369
Higher Customer Satisfaction	369
Better Product Quality	370
Reduced Risk	371
Improved Performance Visibility	371
Increased Investment Control	372
Increased Collaboration and Ownership	373
More Relevant Metrics	374
Improved Predictability	375
Optimized Team Structures	375
Higher Team Morale	376
 CHAPTER 20: Ten Key Factors for Enabling Scrum	 377
Dedicated Team Members	377
Collaborative Environment	378
Done Means Releasable	378
Empowered Product Owner	379
Don't Ignore Reality	379
Clear Product Goal and Roadmap	380
Developer Versatility	380
Scrum Master Clout	381
Leadership Support for Learning	381
Leverage Industry Experts	382
 CHAPTER 21: Ten Key Resources for Scrum	 383
Scrum For Dummies Cheat Sheet	383
The Scrum Guide	384

Scrum Alliance	384
Agile Alliance	385
Business Agility Institute.....	385
State of Agile Report	385
ScrumPLOP	386
Certification Resources.....	386
Scaling Scrum Resources	386
Platinum Edge	387
INDEX.....	389

