FUNDAMENTALS OF SOFTWARE ENGINEERING

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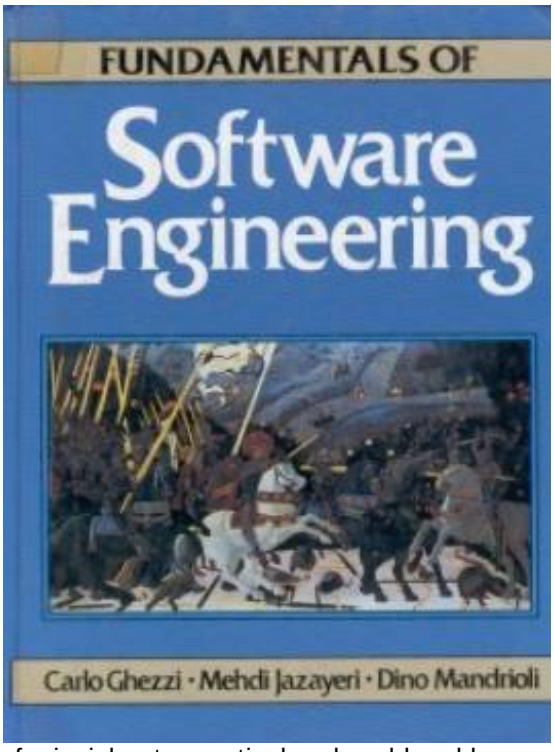

SUMMARY

Here is the first book to emphasize fundamental principles rather than specifie software engineering tools and techniques

Fundamentals of Software Engineering provides selective, in-depth coverage of the fundamentals of software engineering, stressing principles, methods, and rigorous formai and informai approaches. It stresses the importance of rigor in the practice of software engineering and emphasizes the important principles that can be applied independently of the life cycle mode!.

Numerous clear examples and exercises showing the application of principles ta practical real-world problems are also included and make this an excellent self-study guide.

CONTENT HIGHLIGHTS

*uses small examples to illustrate principles and large case studies to show application and combination of principles in more realistic situations.

*emphasizes forma lit y, design for change, and incrementality, using case studies to compare and contrast the different formalisms

*draws analogies to other engineering disciplines

*covers design, specification, verification and validation, the software process, management, and environments.

CONTENTS

PREFACE xi

1 SOFTWARE ENGINEERING: A PREVIEW 1

1.1 The Role of Software Engineering in System Design 2
1.2 A History of Software Engineering 3
1.3 The Role of the Software Engineer 5
1.4 The Software Life Cycle 6
1.5 The Relationship of Software Engineering to Other Areas of Computer Science 8
1.5.1 Programming Languages 8
1.5.1 Operating Systems 10
1.5.3 Data Bases 10
1.5.4 ArtificiallIntelligence 11
1.5.5 Theoretical Models 12
1.6 The Relationship of Software Engineering to Other Disciplines 13
1.6.1 Management Science 13
1.6.2 Systems Engineering 13

1.7 Concluding Remarks 14
Bibliographic Notes 14

2 SOFTWARE: ITS NATURE AND GZUALITIES 17

2.1 Classification of Software Qualities 18
2.1.1 External Versus Internal Qualities 18
2.1.2 Product and Process Qualities 19
2.2 Representative Qualities 19
2.2.1 Correctness, Reliability, and Robustness 19
2.2.2 Performance 22
2.2.3 User Friendliness 24
2.2.4 Verifiability 25
2.2.5 Maintainability 25
2.2.6 Reusability 28
2.2.7 Portability 30
2.2.8 Understandability 31
2.2.9 Interoperability 31
2.2.10 Productivity 32
2.2.11 Timeliness 33
2.2.12 Visibility 35
2.3 Quality Requirements in Different Application Areas 36
2.3.1 Information Systems 36
2.3.2 Real-lime Systems 37
2.3.3 Distributed Systems 38
2.3.4 Embedded Systems 39
2.4 Measurement of Quality 40
2.5 Concluding Remarks 40
Further Exercises 40
Hints and Sketchy Solutions 41
Bibliographie Notes 41

3 SOFTWARE ENGINEERING PRINCIPLES 43

3.1 Rigor and Formality 45
3.2 Separation of Concerns 47
3.3 Modularity 49
3.4 Abstraction 51
3.5 Anticipation of Change 53
3.6 Generality 54
3.7 Incrementality 56
3.8 Concluding Remarks 57
Further Exercises 57
Hints and Sketchy Solutions 58
Bibliographie Notes 58

4 SOFTWARE DESIGN 61

4.1 Software Design Activity and Ils Objectives 63
4.1.1 Design for Change 65
4.1.2 Program Familles 70
4.2 Modularization Techniques 72
4.2.1 The Module Structure and Ils Representation 73
4.2.2 Interface, Implementation, and Information Hiding, 81
4.23 Design Notations 89
4.2.4 Categories of Modules, 96
4.2.5 More Techniques for Design for Change 104
4.2.6 Stepwise Refinement 107
4.2.7 Top-down vs. Bottom-up Design 115
4.3 Object-oriented Design 115
4.4 Handling Anomalies 122
4.5 A Case Study in Design 125
4.6 Concurrent Software 128
4.6.1 Shared Data 129
4.6.2 Real-tune Software 136
4.6.3 Distributed Software 138
4.7 Concluding Remarks 144

Further Exercises 145
Hints and Sketchy Solutions 147
Bibliographic Notes 148

5 SOFTWARE SPECIfICATION 151

5.1 The Uses of Specifications 152
5.2 Specification Qualities 154
5.3 Classification of Specification Styles 157
5.4 Verification of Specifications 159
5.5 Operational Specifications 160
5.5.1 Data Flow Diagrams: Specifying Functions of Information Systems 161
5.5.2 Finite State Maclu'nes: Describing Control Flow 167
5.5.3 Petri Nets: Specifying Asynchronous Systems 174
5.6 Descriptive Specifications 199
5.6.1 Entity-relationship Diagrams 199
5.6.2 Logic Specifications 202
5.6.3 Algebraic Specifications 219
5.7 Building and Using Specifications in l'ractice 226
5.7.1 Requirements for Specification Notations 227
5.7.2 Building Modular Specifications 230
5.7.3 Specifications for the End User 241
5.8 Concluding Remarks 242
Further Exercises 243
Hints and Sketchy Solutions 248
Bibliographic Notes 251

6 SOFTWARE VERIFICATION 255

6.1 Goals and Requirements of Verification 256
6.1.1 Everything Must Be Verified 257
6.1.2 The Results of Verification May Not Be Binary 257
6.1.3 Verification May Be Objective or Subjective 258
6.1.4 Even Implicit Qualities Must Be Verified 259
6.2 Approaches to Verification 260
6.3 Testing 260
6.3.1 Goals for Testing 262
6.3.2 Theoretical Foundations ofTesting 264
6.3.3 Empirical Testing Principles 266
6.3.4 Testing in the Small 269
6.3.5 Testing in the Large 288
6.3.6 Separate Concerns in the Testing Activity 293
6.3.7 Testing Concurrent and Real-tune Systems 295
6.4 Analysis 297
6.4.1 Informai Analysir Techniques 298
6.4.2 Correctness Proofs 301
6.5 Symbolic Execution 318
6.5.1 Basic Concepts of Symbolic Execution 320
6.5.2 Programs with Arrays 323
6.5.3 The Use of Symbolic Execution in Testing 325
6.5.4 Symbolic Execution of Concurrent Programs 327
6.6 Debugging 329
6.7 Verifying Other Software Properties 334
6. 7.1 Verifying Performance 334
6.7.2 Verifying Reliability 335
6.7.3 Source-code Metrics 339
6.8 Concluding Remarks 344
Further Exercises 345
Hints and Sketchy Solutions 350
Bibliographic Notes 353

7 THE SOFTWARE PRODUCTION PROCESS 357

7.1 Software Production Process Models 358
71.1 Waterfall Model 360
71.2 Evolutionary Model 374
7.1.3 Transformation Model 377

71.4 Spiral Model 380
71.5 An Assessment of Process Models 382
7.2 Case Studies 384
72.1 Telephone Switching System 384
7.2.2 Budget Control System 389
7.3 Organizing the Process 394
7.3.1 Software Methodologies 394
7.3.2 Configuration Management 403
7.3.3 Software Standards 408
7.4 Concluding Remarks 409
Further Exercises 409
Hints and Sketchy Solutions 411
Bibliographic Notes 411

8 MANAGEMENT OF SOFTWARE ENGINEERING 415

8.1 Management Functions 417
8.2 Project Planning 418
8.2.1 Software Productivity 420
8.2.2 People and Productivity 426
8.2.3 Cost Estimation 427
8.3 Project Control 434
8.3.1 Work Breakdown Structures 434
8.3.2 Gantt Chants 435
8.3.3 PERT Chants 437
8.3.4 Dealing with Deviations from the Plan 440
8.4 Organization 441
8.4.1 Centralized-control Team Organizatlbn 443
8.4.2 Decentralized-control Team Organization 444
8.4.3 Mixed-control Team Organization 445
8.4.4 An Assessment of Team Organizations 446
8.5 Risk Management 446
8.5.1 Typical Management Risks in Software Engineering 447
8.6 Concluding Remarks 449
Further Exercises 451
Hints and Sketchy Solutions 452
Bibliographic Notes 452

9 SOFTWARE ENGINEERING TOOLS AND ENVIRONMENTS 455

9.1 Historical Evolution of Tools and Environments 456
9.2 Classification of Softwàre Tools and Environments 458
9.3 Representative Tools 462
9.3.1 Editors 463
9.3.2 Linkers 464
9.3.3 Interpreters 464
9.3.4 Code Generators 465
9.3.5 Debuggers 466
9.3.6 Tools Used in Software Testing 467
9.3.7 Static Analyzers 468
9.3.8 Userinterface Management Tools 470
9.3.9 Configuration Management Tools 474
9.3.10 Management Tools 477
9.3.11 Software Engineering Infrastructures 478
9.4 The Role of Programming Language in the Environnent 479
9.4.1 Proceduml Versus Nonprocedural Languages 480
9.4.2 Features of Programming in the Small, 483
9.4.3 Programming Languages and Modularity 484
9.4. 4 Object-oriented Programming Languages 487
9.4.5 Programming Languages and the Handling of Anomalies 491
9.4. 6 Programming Languages and Concurrerccy 493
9.4. 7 Programming Languages and Verification 496
9.4.8 Programming Languages and Software Design, 497
9.5 Some Sample Tools and Environments 498
9.5.1 Teamwork 498
9.5.2 The UNIR Environnent 500
9.5.3 Language-centered Environments: Smalltalk80 and KEE 504

9.5.4 PCTE 505
9.6 An Ideal Scenario for the Future 506
9.7 Concluding Remarks 511
Further Exercises 511

Hints and Sketchy Solutions 512
Bibliographic Notes 513

10 EPILOGUE 517

10.1 The Future 518
10.2 Ethics and Social Responsibility 520
10.3 Concluding Remarks 521
Bibliographic Notes 521

CASE STUDIES 523

A. Case Study 1: Automating a Law Office 524
A.1 Economic and Financial Planning 525
A.2 Technical Planning and Management 526
A.3 Project Monitoring 527
A.4 Initial Delivery 528
A.5 Partial Recovery 528

B. Case Study 2: Building a Family of Compilers 529
B.1 Initial Product Planning 529
B.2 Economic and Financial Planning 529
B.3 Technical Planning and Management 530
B.4 Early Development Phases 530
B.5 Project Monitoring 531
B. 6 Project Reexamination, Revival, and Goal Setting 531
B.7 Assignment of Responsibility 533
B.8 Steady Progress and Release of the Product 533
B. 9 Product Distribution 534
B.10 Remarks 534

C. Case Study 3: Incremental Delivery 537

Concluding Remarks 538

REFERENCES 539

INDEX 567
TOP