1. Record Nr. UNINA9910583401203321 Autore **Boulanger Jean-Louis Titolo** Certifiable software applications . 3 Downward cycle / / Jean-Louis Boulanger London, England: ,: ISTE Press Pubbl/distr/stampa Kidlington, England:,: Elsevier,, 2018 **ISBN** 0-08-101163-6 1-78548-119-3 Descrizione fisica 1 online resource (358 pages) 005.1 Disciplina Application software - Development Soggetti Software engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Nota di bibliografia Includes bibliographical references and index Nota di contenuto Intro; Title page; Table of Contents; Dedication; Copyright; Introduction; Reader's guide; Acknowledgments; 1: Realization of a Software Application; Abstract; 1.1 Introduction; 1.2 Implementation process; 1.3 Quality control; 1.4 Conclusion; 2: Requirements Management; Abstract; 2.1 Introduction; 2.2 Three key concepts; 2.3 Process: 2.4 Conclusion: 3: Documentation Structure: Abstract: 3.1 Introduction; 3.2 Documentation; 3.3 Quality control; 3.4 Implementation process: 3.5 Configuration management: 3.6 Defect and non-conformity management; 3.7 Conclusion 4: Requirements Specification of a Software ApplicationAbstract; 4.1 Introduction: 4.2 Requirements management: 4.3 Specification knowhow: 4.4 Quality characteristics of a software product; 4.5 Objectives of the software requirements specification phase: 4.6 Risk assessment: 4.7 System requirements specification document: SwRS: 4.8 Specifications formalization; 4.9 Considering COTS and reused components; 4.10 Specification verification; 4.11 Conclusion; 4.12 Appendix: SwRS template; 5: Modeling; Abstract; 5.1 Introduction; 5.2 Modeling: 5.3 Model transformation: 5.4 Model refinement

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