

Object Oriented Software Engineering

Object-oriented Software Engineering
Object-oriented Software Engineering
Object-Oriented Software Engineering: A Hands-On Approach
OBJECT-ORIENTED SOFTWARE ENGINEERING
Object-Oriented and Classical Software Engineering
Agent-Oriented Software Engineering
Object Oriented Software Engineering
Classical and Object-oriented Software Engineering
Classical and Object-oriented Software Engineering with UML and Java
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EBOOK: Object-Oriented Software Engineering: Practical Software Development Using UML and Java
Classical and Object-oriented Software Engineering with UML and C++
Service-oriented Software System Engineering
Object-oriented Software Engineering
Object-oriented Software Engineering
Object-oriented Software Engineering George Wilkie Ivar Jacobson Luiz Fernando Capretz Roger Y. Lee YOGESH SINGH Stephen Schach Onn Shehory Deven N. Shah Stephen R. Schach Stephen R. Schach Timothy C. Lethbridge
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addresses critical software engineering issues showing how an object oriented approach can provide much improved solutions over other methods designed as a technology tool

based on objectory which is the first commercially available comprehensive object oriented process for developing large scale industrial systems

this is a textbook for a course in object oriented software engineering at advanced undergraduate and graduate levels as well as for software engineers it contains more than 120 exercises of diverse complexity the book discusses fundamental concepts and terminology on object oriented software development assuming little background on software engineering and emphasizes design and maintenance rather than programming it also presents up to date and easily understood methodologies and puts forward a software life cycle model which explicitly encourages reusability during software development and maintenance

this textbook provides a progressive approach to the teaching of software engineering first readers are introduced to the core concepts of the object oriented methodology which is used throughout the book to act as the foundation for software engineering and programming practices and partly for the software engineering process itself then the processes involved in software engineering are explained in more detail especially methods and their applications in design implementation testing and measurement as they relate to software engineering projects at last readers are given the chance to practice these concepts by applying commonly used skills and tasks to a hands on project the impact of such a format is the potential for quicker and deeper understanding readers will master concepts and skills at the most basic levels before continuing to expand on and apply these lessons in later chapters

this comprehensive and well written book presents the fundamentals of object oriented software engineering and discusses the recent technological developments in the field it focuses on object oriented software engineering in the context of an overall effort to present object oriented concepts techniques and models that can be applied in software estimation analysis design testing and quality improvement it applies unified modelling language

notations to a series of examples with a real life case study the example oriented approach followed in this book will help the readers in understanding and applying the concepts of object oriented software engineering quickly and easily in various application domains this book is designed for the undergraduate and postgraduate students of computer science and engineering computer applications and information technology key features provides the foundation and important concepts of object oriented paradigm presents traditional and object oriented software development life cycle models with a special focus on rational unified process model addresses important issues of improving software quality and measuring various object oriented constructs using object oriented metrics presents numerous diagrams to illustrate object oriented software engineering models and concepts includes a large number of solved examples chapter end review questions and multiple choice questions along with their answers

integrating case studies to show the object oriented approach to software engineering object oriented and classical software engineering 7 e presents an excellent introduction to software engineering fundamentals covering both traditional and object oriented techniques the coverage of both agile processes and open source software has been considerably expanded in addition the osbert oglesby running case study has been replaced with a new case study on the martha stockton greengage foundation the new study highlights even more aspects of the unified process the book s unique organization remains in place with part i covering underlying software engineering theory and part ii presenting the more practical life cycle complementing this well balanced approach is the straightforward student friendly writing style through which difficult concepts are presented in a clear understandable manner the new seventh edition provides an extensive updating of this classic software engineering text

with this book onn shehory and arnon sturm together with further contributors introduce the reader to various facets of agent oriented software engineering aose they provide a selected collection of state of the art findings which combines research from information systems artificial intelligence distributed systems and software engineering and covers essential development aspects of agent based systems the book chapters are organized into five parts the first part introduces the aose domain in general including introduction to agents and the peculiarities of software engineering for developing mas the second part describes general aspects of aose like architectural models design patterns and communication next part three

discusses aose methodologies and associated research directions and elaborates on prometheus o mase and ingenias part four then addresses agent oriented programming languages finally the fifth part presents studies related to the implementation of agents and multi agent systems the book not only provides a comprehensive review of design approaches for specifying agent based systems but also covers implementation aspects such as communication standards and tools and environments for developing agent based systems it is thus of interest to researchers practitioners and students who are interested in exploring the agent paradigm for developing software systems

object oriented software engineering is a definitive resource that offers a comprehensive exploration of the principles methodologies and practical applications of object oriented approaches in software engineering authored by ms sonia wadhwa mr prince kumar sahu mr vishnu prasad verma mr v ramu and mr k surendra reddy this book is designed for students educators and professionals in the field of computer science and engineering it begins with an introduction to software engineering and the importance of modularity abstraction and reusability providing a strong foundation for understanding object oriented design the book covers key topics such as software process models agile development methodologies requirement analysis and the use of unified modeling language uml for object modeling readers are guided through various stages of software engineering including software design testing maintenance and project management with a focus on real world applications and case studies advanced concepts such as design patterns architectural styles and object oriented frameworks like the unified process up and rational unified process rup are explored in depth practical examples and detailed explanations help bridge the gap between theoretical knowledge and industrial practices published by quill tech publications in november 2024 this book is an invaluable resource for understanding how object oriented methods can address complex software development challenges whether developing small scale applications or managing large enterprise systems object oriented software engineering equips readers with the tools and techniques needed to design robust scalable and maintainable software solutions

classical and object oriented software engineering is designed for an introductory software engineering course this book provides an excellent introduction to software engineering fundamentals covering both traditional and object oriented techniques schach s unique

organization and style makes it excellent for use in a classroom setting it presents the underlying software engineering theory in part i and follows it up with the more practical life cycle material in part ii many software engineering books are more like reference books which do not provide the appropriate fundamentals before inundating students with implementation details in this edition more practical material has been added to help students understand how to use what they are learning this has been done through the use of how to boxes and greater implementation detail in the case study additionally the new edition contains the references to the most current literature and includes an overview of extreme programming the website in this edition will be more extensive it will include solutions powerpoints that incorporate lecture notes newly developed self quiz questions and source code for the term project and case study

ebook object oriented software engineering practical software development using uml and java

the universal modeling language uml has become an industry standard in software engineering in this text it is used for object oriented analysis and design as well as when diagrams depict objects and their interrelationships

annotation current it developments like competent based development and services have emerged as new effective ways of building complex enterprise systems and providing enterprise allocation integration however there is still much that needs to be researched before service oriented software engineering sose becomes a prominent source for enterprise system development service oriented software system engineering challenges and practices provides a comprehensive view of sose through a number of different perspectives

venturing beyond c programming this text shows how to engineer software products using object oriented principles it covers gathering requirements specifying objects object verification defining relations between objects translating object design into code object testing and software maintenance

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