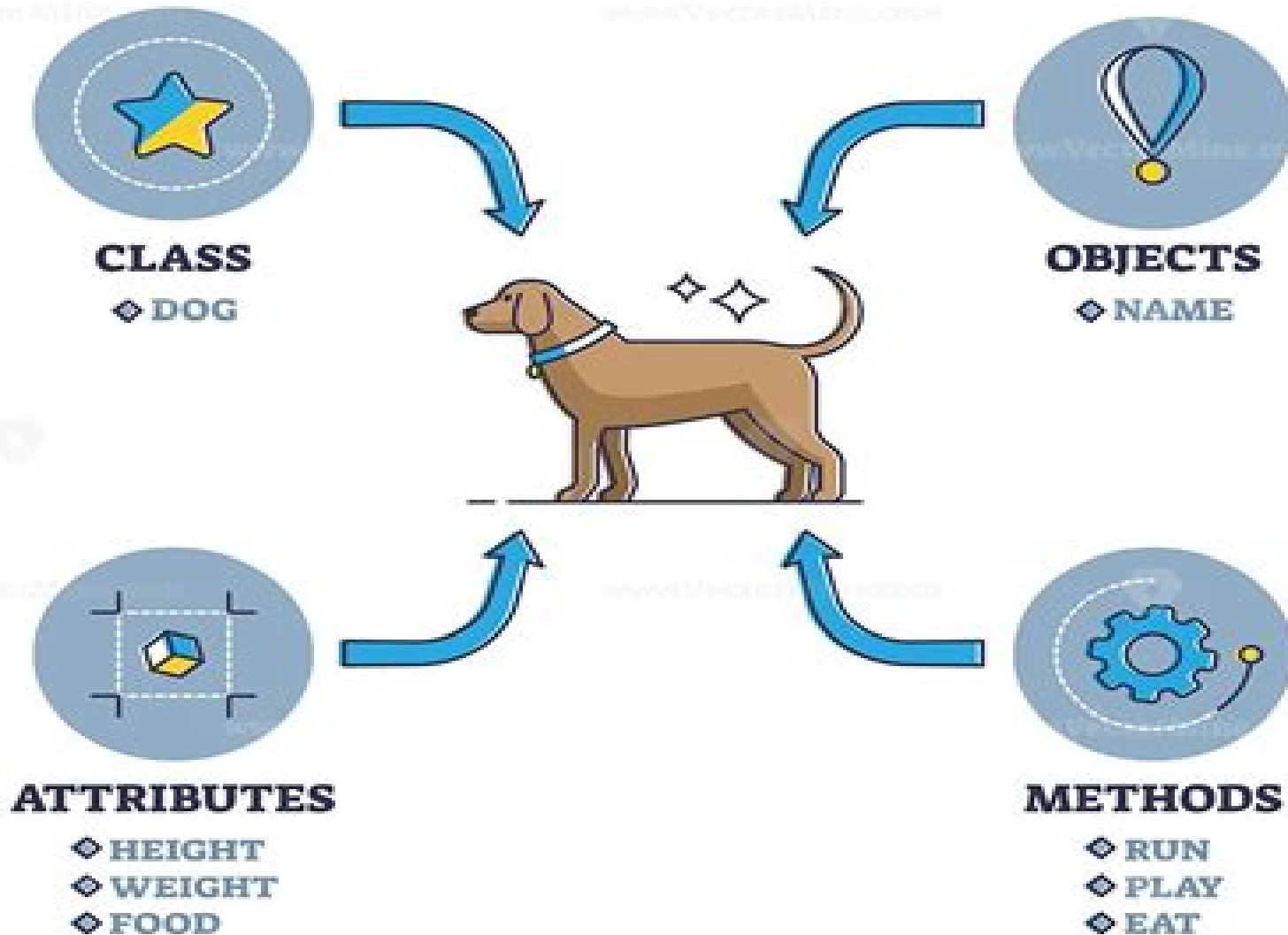


# OBJECT ORIENTED PROGRAMMING



# Object Oriented Software Engrg

**YOGESH SINGH,RUCHIKA MALHOTRA**



## **Object Oriented Software Engrg:**

**Object-oriented Software Engineering** George Wilkie,1993 Addresses critical software engineering issues showing how an object oriented approach can provide much improved solutions over other methods Designed as a technology tool

**Object-oriented Software Engineering** Ivar Jacobson,1992 Based on Objectory which is the first commercially available comprehensive object oriented process for developing large scale industrial systems

**Object-Oriented Software** Luiz Fernando Capretz,1996-09-01 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

OBJECT-ORIENTED SOFTWARE ENGINEERING YOGESH SINGH,RUCHIKA MALHOTRA,2012-03-05 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

Object-Oriented and Classical Software Engineering Stephen Schach,2007 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

**Understanding Object-oriented Software Engineering** Stefan Sigfried, 1996 Software Engineering

**Object-oriented and Classical Software Engineering** Stephen R. Schach, 2001 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

**Classical and Object-oriented Software Engineering with UML and Java** Stephen R. Schach, 1999

**Classical and Object-oriented Software Engineering** Stephen R. Schach, 1996

Classical and Object-oriented Software Engineering with UML and C++ Stephen R. Schach, 1999

*Transition to Object-Oriented Software Development* Mohamed E. Fayad, Mauri Laitinen, 1998-09-10 A complete blueprint for transitioning your organization to object oriented systems Transition to Object Oriented Software Development This book will save you the frustration wasted time and massive cost overruns often associated with transitions to object oriented technologies Using numerous case studies the authors identify the technical management and cultural challenges involved and show you how to overcome those challenges They arm you with proven tactics for avoiding common traps and pitfalls And they outfit you with a comprehensive transitioning framework for dealing with all aspects of gearing up to object oriented technology including Selecting the best object oriented methods tools and development environments Planning and budgeting projects Staffing and training Preparing your organizational culture for object oriented technology Tracking and controlling projects Documenting object oriented development Creating practical metrics Developing workable strategies for legacy systems reuse Object engineering mission critical systems Designing without specs Delivering shrink wrapped software products Maintaining systems post development Visit our Web site at [www.wiley.com/compbooks](http://www.wiley.com/compbooks)

Object-oriented Software Engineering Steve Halladay, Michael Wiebel, 1993 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 **Testing**

**Object-Oriented Software** Imran Bashir, Amrit L. Goel, 2012-12-06 The rise of object oriented OO software development seems to have helped improve software quality but it has not of course eliminated all possibility of error Thus software testing is at least as important today as it ever has been Testing as a centerpiece of quality assurance efforts only increases in value as society becomes more and more reliant on software Testing OO components and even OO systems is not very difficult once you know how to do it But until now there have been few accounts of how to do it well and none that adequately characterize testing across the life cycle of large OO software production efforts This book combines insights from research on OO testing with insights from industrial testing efforts to produce an account that should be valuable to anyone interested in the theory and practice of testing OO software This book provides extensive coverage of testing methods applicable to OO software development as well as discussions of underlying concepts and technical underpinnings that enable you to devise additional techniques of your own It is unlikely that you will apply every test process review criterion or metric described in this book to your software project If you have a small project it is unlikely that you will apply more than a few of them But the breadth of coverage allows you to select and customize them with full knowledge of the alternatives and of the options available if you need to extend testing efforts **Object-oriented Software Engineering** George Wilkie, 1993 *EBOOK: Object-Oriented Software Engineering: Practical Software Development Using UML and Java* LETHBRIDGE, TIM, 2004-12-16 *EBOOK* Object Oriented Software Engineering Practical Software Development Using UML and Java **Principles of Object-oriented Software Development** Anton Eliëns, 2000 This new edition continues its unique approach to teaching all aspects of object oriented programming bringing it right up to date with the latest advances in technology It requires no extensive knowledge of programming languages It is divided into four parts each presenting the issues involved in object oriented programming from a different perspective software engineering and design languages and system development abstract data types and polymorphism and applications and frameworks Software engineers who want to understand the theory behind modern object oriented technology while learning about such new topics as patterns UML and Java Design Patterns for Object-oriented Software Development Wolfgang Pree, 1995 Software Software Engineering **Object Oriented Software Engineering** Deven N. Shah, G.P. Bherde, 2010-04-16 Classical and Object-oriented Software Engineering with UML and C++ Stephen R. Schach, 1999 This text provides an introduction to the process of software engineering The revision concentrates on updating the book to reflect the most current trends and innovations in the field The Universal Modeling Language UML has become an industry standard and now permeates this new edition In this text it is used for object oriented analysis and design as well as when diagrams depict objects and their interrelationships Design patterns frameworks and software architecture have also become a popular topic in the field of software engineering and are part of a new chapter on reuse portability and inoperability The inoperability material includes sections on such hot topics as

OLE COM and CORBA Some material from the 3rd edition has been reorganized into a new chapter on planning and estimating including feature points and COCOMO II While the text has been updated the traditional features which have defined the previous three editions of Schach's book have been retained These include a balanced coverage of the object oriented model along with the classical model as reflected in the title and an emphasis on metrics The special considerations of object oriented life cycle models object oriented analysis and object oriented design are also retained in this edition

*Applications and Approaches to Object-Oriented Software Design: Emerging Research and Opportunities* Altan, Zeynep, 2019-11-29 In today's modernized environment a growing number of software companies are changing their traditional engineering approaches in response to the rapid development of computing technologies As these businesses adopt modern software engineering practices they face various challenges including the integration of current methodologies and contemporary design models and the refactoring of existing systems using advanced approaches *Applications and Approaches to Object Oriented Software Design Emerging Research and Opportunities* is a pivotal reference source that provides vital research on the development of modern software practices that impact maintenance design and developer productivity While highlighting topics such as augmented reality distributed computing and big data processing this publication explores the current infrastructure of software systems as well as future advancements This book is ideally designed for software engineers IT specialists data scientists business professionals developers researchers students and academicians seeking current research on contemporary software engineering methods

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