

Software Metrics



Software Metrics A Guide To Planning Analysis And Application

Benjamin A. Lieberman



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algorithms designed to provide better and optimized solutions Illustrates applications including software requirement prioritization software cost estimation reliability assessment software defect prediction and more Highlights swarm intelligence based optimization solutions for software testing and reliability problems **The Debugger's Handbook** J.F. DiMarzio,2016-04-19 For today's programmers it is impossible to foresee every input every usage scenario and every combination of applications that can cause errors when run simultaneously Given all of these unknowns writing absolutely bug free code is unachievable But it is possible with the right knowledge to produce nearly bug free code and The Debugger's Handbook Software Architecture Design Patterns in Java Partha Kuchana,2004-04-27 Software engineering and computer science students need a resource that explains how to apply design patterns at the enterprise level allowing them to design and implement systems of high stability and quality Software Architecture Design Patterns in Java is a detailed explanation of how to apply design patterns and develop software architectures It provides in depth examples in Java and guides students by detailing when why and how to use specific patterns This textbook presents 42 design patterns including 23 GoF patterns Categories include Basic Creational Collectional Structural Behavioral and Concurrency with multiple examples for each The discussion of each pattern includes an example implemented in Java The source code for all examples is found on a companion Web site The author explains the content so that it is easy to understand and each pattern discussion includes Practice Questions to aid instructors The textbook concludes with a case study that pulls several patterns together to demonstrate how patterns are not applied in isolation but collaborate within domains to solve complicated problems

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