Managing the Development of Software-Intensive Systems
James McDonald

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DESCRIPTION

Managing the Development of Software-Intensive Systems provides both an introduction to project management for beginner software and hardware developers as well as unique advanced materials for experienced users. This beneficial resource presents realistic case studies for planning and managing verification and validation for large software projects, complex software, and hardware systems, as well as inspection results and testing metrics to monitor project status. Industrial practitioners and students will learn ways to improve how they manage and develop their project management applications and techniques to establish large software applications and systems.

ABOUT THE AUTHOR

James McDonald, PhD, is an associate professor of software engineering at Monmouth University. He has an extensive industrial background in both software and electrical engineering. Dr. McDonald has worked for AT&T, Bell Laboratories, Bellcore, and Lucent Technologies, managing hardware and software development projects from 1980 to 1999. He has taught numerous courses and workshops in the areas of operations research, microeconomics, quality management, and software project management. Dr. McDonald is also a Senior Life Member of the IEEE, the IEEE Computer Society, the ACM, and ASEE.
FEATURES

• Provides an in-depth understanding of how project and general management techniques can be applied to the development of large software based applications and complex software/hardware systems

• Gives the student experience in doing the management work through realistic case studies

• Teaches the student how to plan and manage verification and validation for large software projects or complex software/hardware systems

• Discusses how inspection results and testing metrics can be used to monitor project status

• Teaches student how to apply their experience to improve project management

SERIES

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