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is, where the problems are, what benefits to expect, the activities, and its different forms. The reader is also given an overview of what software components are, different kinds of components and compositions, a taxonomy thereof, and examples of

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successful component reuse. An introduction to software engineering and software process models is also provided.

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information systems, and
IS project development.
Software engineer should
be familiar with
alternatives, trade-offs
and pitfalls of*

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*methodologies,
technologies, domains,
project life cycles,
techniques, tools CASE
environments, methods for
user involvement in
application development,*

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software, design, trade-offs for the public domain and project personnel skills. This book discusses much of what should be the ideal software engineer's

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*project related knowledge
in order to facilitate and
speed the process of
novices becoming experts.
The goal of this book is
to discuss project
planning, project life*

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*cycles, methodologies,
technologies, techniques,
tools, languages, testing,
ancillary technologies
(e.g. database) and CASE.
For each topic,
alternatives, benefits and*

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*disadvantages are
discussed.*

*Based on the needs of the
educational community, and
the software professional,
this book takes a unique
approach to teaching*

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software testing. It introduces testing concepts that are managerial, technical, and process oriented, using the Testing Maturity Model (TMM) as a guiding

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framework. The TMM levels and goals support a structured presentation of fundamental and advanced test-related concepts to the reader. In this context, the

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interrelationships between theoretical, technical, and managerial concepts become more apparent. In addition, relationships between the testing process, maturity goals,

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and such key players as managers, testers and client groups are introduced. Topics and features: - Process/engineering-oriented text - Promotes the growth and

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*value of software testing
as a profession -
Introduces both technical
and managerial aspects of
testing in a clear and
precise style - Uses the
TMM framework to introduce*

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testing concepts in a systematic, evolutionary way to facilitate understanding - Describes the role of testing tools and measurements, and how to integrate them into the

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*testing process Graduate
students and industry
professionals will benefit
from the book, which is
designed for a graduate
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