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This book seeks to provide an overall view of the nature of software engineering, focusing on real world practice and guiding students of software engineering to understand the benefits and drawbacks of various methods. Intended for both the student and the professional, this text follows the natural life cycle of software development, providing the reader with comprehensive overview of the software development field. The text includes comprehensive coverage of methods, tools, principle, and guidelines. Case studies and examples are presented extensively throughout the book.

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