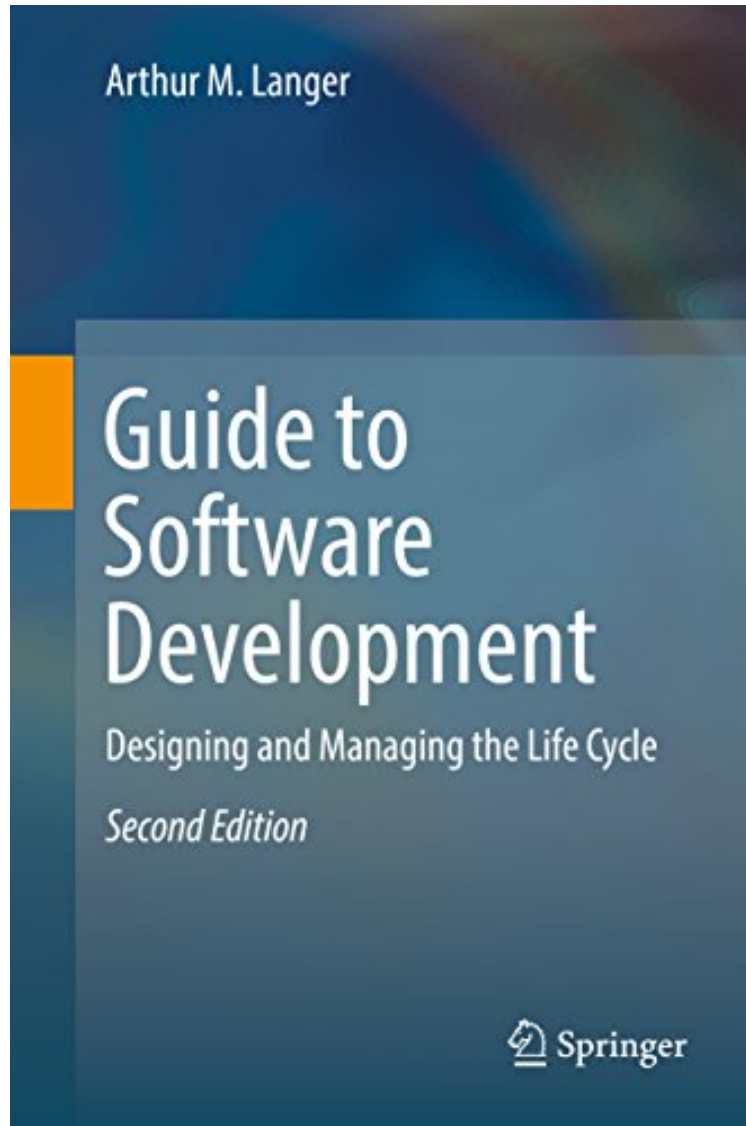


(Read download) Guide to Software Development: Designing and Managing the Life Cycle

Guide to Software Development: Designing and Managing the Life Cycle

Arthur M. Langer

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Arthur M. Langer : Guide to Software Development: Designing and Managing the Life Cycle before purchasing it in order to gage whether or not it would be worth my time, and all praised Guide to Software Development: Designing and Managing the Life Cycle:

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This book presents a guide to navigating the complicated issues of quality and process improvement in enterprise software implementation, and the effect these have on the software development life cycle (SDLC). Offering an integrated approach that includes important management and decision practices, the text explains how to create successful automated solutions that fit user and customer needs, by mixing different SDLC methodologies. With an emphasis on the realities of practice, the book offers essential advice on defining business requirements, and managing change. This revised and expanded second edition includes new content on such areas as cybersecurity, big data, and digital transformation. Features: presents examples, case studies, and chapter-ending problems and exercises; concentrates on the skills needed to distinguish successful software implementations; considers the political and cultural realities in organizations; suggests many alternatives for how to manage and model a system.

From the Back Cover The challenge of improving the quality and process of implementing enterprise software has only become more complex, and software products for enterprise resource planning (ERP) often fail to provide quicker and more cost-effective solutions. Furthermore, the decision whether to make or buy software is not a simple one. This Guide to Software Development addresses the problem of how best to make such decisions, and what effect such decisions have on the software development life cycle (SDLC). Offering an integrated approach that includes important management and decision practices, this text/reference explains how to create successful automated solutions that fit user and customer needs, by mixing different SDLC methodologies. Guiding readers through the theory, and applying this to the realities of practice, the book offers essential advice on defining accurate business requirements, and managing change. Topics and features: Provides concrete examples and effective case studies Focuses on the skills and insights that distinguish successful software implementations Covers management issues as well as technical considerations, including how to deal with political and cultural realities in organizations Identifies many new alternatives for how to manage and model a system using sophisticated analysis tools and advanced management practices Emphasizes how and when professionals can best apply these tools and practices, and what benefits can be derived from their application Discusses searching for vendor solutions, and vendor contract considerations Suitable for students of introductory project management, or analysis and design, this practical guide/reference will also be of interest to practicing IT professionals and executives involved in managing software projects, in addition to business managers responsible for ERP-type projects. About the Author Dr. Arthur M. Langernbsp; is the Director of the Center for Technology Management at Columbia University, New York, NY, USA. Dr. Langer is also the Vice Chair of Faculty and the Executive Director of the Division of Innovation and Design at the School of Professional Studies. He serves on the faculty of the Graduate School of Education in the Department of Organizational Leadership. Dr. Langer is also Chairman and Founder of Workforce Opportunity Services (WOS), a non-profit NGO dedicated to assisting socially excluded youth and veterans in education and professional careers. His other publications include the Springer titlenbsp; Analysis and Design of Information Systems.