Guide to Software Development: Designing and Managing the Life Cycle

By Arthur M. Langer

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This book addresses how best to make build vs. buy 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, the text explains how to create successful solutions that fit user and customer needs, by mixing different SDLC methodologies. 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.

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Editorial Review

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. Langer 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 title *Analysis and Design of Information Systems*.

Users Review

From reader reviews:

Brad Hawkes:

The book untitled Guide to Software Development: Designing and Managing the Life Cycle is the reserve that recommended to you you just read. You can see the quality of the book content that will be shown to a person. The language that author use to explained their ideas are easily to understand. The writer was did a lot of analysis when write the book, to ensure the information that they share to you is absolutely accurate. You also can get the e-book of Guide to Software Development: Designing and Managing the Life Cycle from the publisher to make you a lot more enjoy free time.

Nancy Barry:

Guide to Software Development: Designing and Managing the Life Cycle can be one of your basic books that are good idea. All of us recommend that straight away because this e-book has good vocabulary that will increase your knowledge in vocab, easy to understand, bit entertaining however delivering the information. The article author giving his/her effort to place every word into delight arrangement in writing Guide to Software Development: Designing and Managing the Life Cycle nevertheless doesn't forget the main point, giving the reader the hottest as well as based confirm resource facts that maybe you can be among it. This great information may drawn you into brand new stage of crucial thinking.

Norma Barnes:

On this era which is the greater particular person or who has ability in doing something more are more important than other. Do you want to become certainly one of it? It is just simple way to have that. What you must do is just spending your time little but quite enough to enjoy a look at some books. One of the books in the top collection in your reading list is actually Guide to Software Development: Designing and Managing the Life Cycle. This book that is certainly qualified as The Hungry Hills can get you closer in getting precious person. By looking upward and review this guide you can get many advantages.

Kenneth Connolly:

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