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	Titolo	Guide to Software Development : Designing and Managing the Life Cycle / / by Arthur M. Langer
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	Descrizione fisica	1 online resource (XVII, 402 p. 117 illus., 24 illus. in color.)
	Disciplina	003.3
	Soggetti	Computer architecture
		Management information systems
		Computer science
		Application software
		Computers, Special purpose
		Computer system failures
		Computer System Implementation
		Management of Computing and Information Systems
		Computer Appl. in Administrative Data Processing
		Special Purpose and Application-Based Systems
		System Performance and Evaluation
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Introduction -- Part I: Determining Needs -- Assessing Business Requirements -- Build vs. Buy Issues -- Establishing Requirements (RFI, RFP) -- Searching for Solutions -- Controlling Costs and Realistic Budgeting -- Analysis Methods and Tools -- Part II: Development Architecture -- Creating Requirement Documents using Analysis Tools -- The Data -- Legacy Systems and Data Conversion -- Business Process Reengineering -- Digital Transformation and Consumer Requirements -- Data Analytics and Data Warehouses -- Documentation & Acceptance Testing -- Part III: How to Implement -- Project Management -- Virtual Teams and Outsourcing -- Cyber Security, ISO 9000 and the Software Development Life Cycle -- Vendor Contract Considerations -- Going Live and Conclusions.

Sommario/riassunto

This clearly-written 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. Also highlighted is the importance of interfacing directly with the consumers of the business in the modern age of "digital consumerization." Topics and features: Presents concrete examples, effective case studies, and chapter-ending problems and exercises Concentrates on the skills and insights needed to distinguish successful software implementations and identify sources of failure Discusses both management and technical issues, taking into consideration the political and cultural realities in organizations Suggests many alternatives for how to manage and model a system using sophisticated analysis tools and advanced management practices Describes how and when professionals can best apply these tools and practices, and what benefits can be derived from their application Addresses such topics as build vs. buy, 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 IT professionals and executives involved in managing software projects, in addition to business managers responsible for ERP and Digital Transformation-type projects.