DESCRIPTION

*Systems Analysis and Design: An Object-Oriented Approach with UML, 5th Edition* by Dennis, Wixom, and Tegarden captures the dynamic aspects of the field by keeping students focused on doing SAD while presenting the core set of skills that every systems analyst needs to know today and in the future.

The text enables students to *do* SAD—not just read about it, but understand the issues so they can actually analyze and design systems. The text introduces each major technique, explains what it is, explains how to do it, presents an example, and provides opportunities for students to practice before they do it for real in a project. After reading each chapter, the student will be able to perform that step in the system development process.

ABOUT THE AUTHOR

Dr. Alan R. Dennis is a professor of internet systems at Indiana University. He has written over 60 journal articles and has published 4 books. He is the senior editor for the *MIS Quarterly* and also serves on the editorial board for the *Journal of MIS, Association for MIS, Computer Mediated Communication and the International Journal of e-Collaboration.*
NEW TO EDITION

• The text has been streamlined to focus on the essentials and therefore, to enhance student understanding. Selected materials, like the #Your Turn# and #Concepts in Action# boxes, have been moved online and can be accessed by going to www.wiley.com/college/dennis and navigating to the appropriate title and its BCS site.

• Throughout the book, there is a greater emphasis on verifying, validating, and testing, as well as the incremental and iterative development of systems.

• There is more content on Agile techniques including scrum meetings, product backlog, and sprints along with an increased focus on software quality and user stories.

• Chapter 10 includes more coverage of mobile computing, specifics on navigation, input, and output. This chapter also has a new section on games, multidimensional information visualization, augmented reality, and virtual reality.

• A new, expanded case study on an integrated health clinic delivery system accompanies the 5th Edition. The case study can be accessed by going to www.wiley.com/college/dennis and navigating to the appropriate title and its BCS site. At the end of each chapter in the text, a short synopsis of the case is provided.

FEATURES

• **Focus on doing SAD:** After presenting the how and what of each major technique, the text guides students through practice problems and then invites them to use the technique in a project.

• **Real World Focus:** The authors build extensively from their experience as professional systems analysts for organizations such as Arthur Andersen, IBM, the U.S. Department of Defense, and the Australian Army. They have also worked with a diverse
industry advisory board of IS professionals and consultants in developing the book and have incorporated their stories, feedback, and advice throughout.

- **Project approach**: Each chapter focuses on a different step in the Systems Development Life Cycle (SDLC) process. Topics are presented in the order in which they are encountered in a typical project.

- **Written in UML**: The text takes a contemporary, object-oriented approach using UML.

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