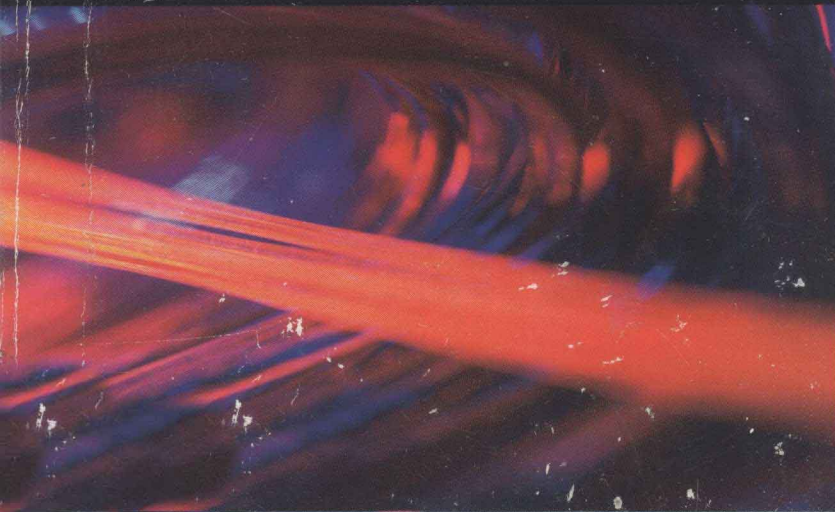
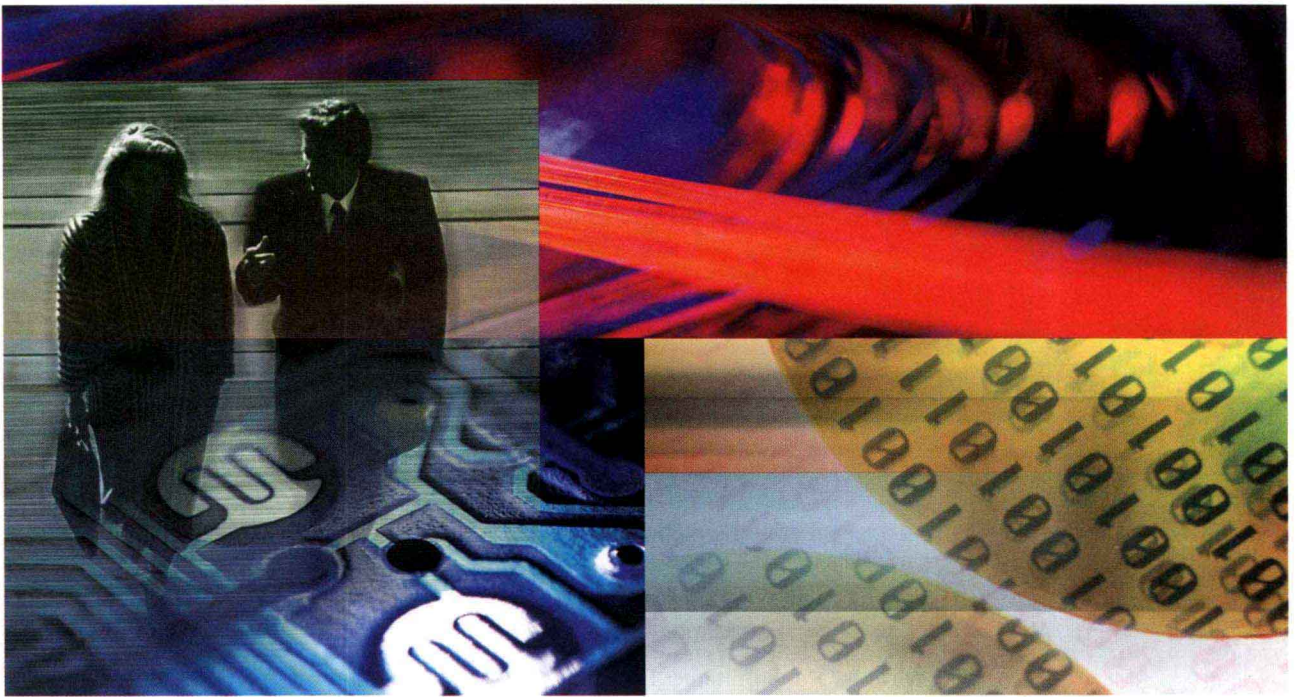


Information Technology

and the Networked Economy

Patrick G. McKeown





Information Technology

and the Networked Economy

Patrick G. McKeown
University of Georgia

Harcourt College Publishers

Fort Worth Philadelphia San Diego New York Orlando Austin San Antonio
Toronto Montreal London Sydney Tokyo

Publisher Mike Roche
Executive Editor Christina A. Martin
Market Strategist Bill Bernys
Developmental Editor Larry Crowder
Project Editor Louise Slominsky
Art Director Scott Baker
Production Manager James McDonald

Cover Design Bill Brammer Design
Cover Images EyeWire, Inc.

ISBN: 0-03-020832-7

Copyright © 2001 by Harcourt, Inc.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system without permission in writing from the publisher.

Requests for permission to make copies of any part of the work should be mailed to: Permissions Department, Harcourt, Inc., 6277 Sea Harbor Drive, Orlando, FL 32887-6777.

Copyrights and Acknowledgments appear on page 383, which constitutes a continuation of the copyright page.

Address for Domestic Orders
Harcourt, Inc., 6277 Sea Harbor Drive, Orlando, FL 32887-6777
800-782-4479

Address for International Orders
International Customer Service
Harcourt, Inc., 6277 Sea Harbor Drive, Orlando, FL 32887-6777
407-345-3800
(fax) 407-345-4060
(e-mail) hbint@harcourtbrace.com

Address for Editorial Correspondence
Harcourt College Publishers, 301 Commerce Street, Suite 3700, Fort Worth, TX 76102

Web Site Address
<http://www.harcourtcollege.com>

Printed in the United States of America

0 1 2 3 4 5 6 7 8 9 0 4 8 9 8 7 6 5 4 3 2 1

Harcourt College Publishers

P r e f a c e

As we move into the twenty-first century, we also are moving quickly into the networked economy. Whereas the industrial economy was built on producing goods by leveraging human strength with machines, the networked economy will be built on producing services by leveraging human knowledge with computers and connectivity. The networked economy will be characterized by rapidly changing market conditions and methods of commerce. It will also require that organizations concentrate on improving their organizational productivity rather than worrying about personal productivity. As a result, colleges and universities must immediately begin to prepare their students to work in the networked economy. This textbook, *Information Technology and the Networked Economy*, is aimed at helping educators do just that by providing today's business students with the knowledge of the networked economy necessary to be successful employees and managers in the twenty-first century.

Every economy has needed an infrastructure to support the flow of goods and services between buyers and sellers. For the networked economy, information technology (IT) provides that infrastructure in the form of computers and connectivity that can process data into information and share data, information, and resources with others. Companies that want to survive and flourish in the networked economy must understand how that infrastructure works and how to take advantage of it. Learning how to use electronic commerce and the Internet to their advantage will be essential, as virtually all commerce becomes electronic. *Information Technology and the Networked Economy* uses this idea of information technology as the infrastructure of the networked economy to link the two concepts together.

When information technology is applied to organizations to help managers and employees make decisions, the result is usually referred to as information systems. These information systems must enable organizations to handle the present, remember the past, and prepare for the future. Handling the present requires organizations to have some way of processing transactions. Remembering the past requires that organizations find ways to use computers and networks to manage data, information, and knowledge resulting from handling the present. Preparing for the future requires that organizations use the stored data, information, and knowledge to make decisions that will enable them to be successful in the future. It also requires organizations to understand the use of electronic commerce to market and distribute products and services over the Internet. *Information Technology and the Networked Economy* covers the use of information systems and electronic commerce to handle the present, remember the past, and prepare for the future as a part of the preparation of the student to work in the networked economy.

Learning Objectives

Information Technology and the Networked Economy is built around achieving the following five key learning objectives. In so doing, it ensures that students will be prepared to be successful employees and managers in the networked economy. After reading this book, the student will be able to:

1. Understand the networked economy and how information technology provides the infrastructure for this new economy.
2. Describe how information technology is used to process data into information and to share data, information, and resources.
3. Discuss how information systems are used in organizations to handle the present, remember the past, prepare for the future, and to use electronic commerce.
4. Discuss the issues involved in the selection, acquisition, and development of information systems.
5. Understand the effect that information technology and the networked economy will have on crime, security, privacy, ethics, and society.

Achieving these learning objectives will go a long way toward providing the student with an understanding of the networked economy, information technology, information systems, and their effect on society.

Organization

To achieve the learning objectives, *Information Technology and the Networked Economy* is divided into four parts, as shown in the table below. In general, these parts should be covered in the order in which they appear, as should the chapters within each part. The one exception to this is part 4, which can be covered immediately after parts 1 or 2 have been covered if so desired. Because part 3, the design and development of information systems, is dependent on an understanding of the material on information systems in part 2, parts 2 and 3 should be covered in sequential order.

Part	Topical Coverage
1	Introduction to Information Technology and the Networked Economy
2	Information Systems in Organizations
3	Design and Development of Information Systems
4	Issues in the Networked Economy

Part 1 provides information about the networked economy and information technology. This part includes chapters on the networked economy, elements of information technology, and networks for sharing data, information, and resources.

Part 2 covers the effects of information technology on organizations and includes chapters on transaction processing systems for handling the present, organizational memory for remembering the past, decision support systems for preparing for the future, and electronic commerce as a way of transforming organizations. This section provides the student with a complete discussion of information systems as they enable organizations in the networked economy not just to survive, but to grow.

Part 3 considers the issues involved in developing or acquiring information systems. This includes topics on designing new information systems and making the decision whether to acquire, outsource, or develop the new system. This section also covers the process of developing an information system. These chapters provide the student with an understanding of the systems development process including the structured approach, RAD, outsourcing, and acquisition.

Finally, part 4 covers the impact of information technology and the networked economy on society in the areas of security, crime, privacy, ethics, health, and lifestyle. This includes a chapter on crime and security in organizations, a chapter on privacy and ethical issues, and a chapter on the societal issues associated with information technology and the networked economy.

Approach to Topics

To prepare readers to work in the networked economy using information technology and information systems, *Information Technology and the Networked Economy* uses a variety of pedagogical elements. An important element is a case, fareastfoods.com, that runs through all of the chapters. Involving a small distributor of oriental foods via the Internet, this case provides students with a look at the ways in which companies use information technology and information systems to transact business in the networked economy. Fareastfoods.com takes orders over the Internet that it fulfills by ordering individual items from wholesalers. The individual food items are combined to create a shipment that is picked up by a package delivery company and delivered to the customer. As we move through the book, the various aspects of information technology and information systems are applied to the company. For example, in the chapters on systems development (chapters 8 and 9), a new information system is created for the company.

Other pedagogical elements in this book include Quick Review questions after each major section, sixty boxed inserts, review questions, discussion questions, and a case at the end of each chapter. The Quick Review questions enable students to check their understanding of the material immediately after reading it. Answers to these questions are available on the Web site associated with the book so students can gauge their comprehension of the material.

There are five boxed inserts in each chapter covering six different focus areas: management, society, technology, the Internet, and people. They provide interesting information about elements of the networked economy beyond the material covered in the body of the chapter. The Focus on Management boxes discuss companies or situations that illustrate business situations or problems in the networked economy. For example, the Focus on Management box in chapter 1 describes the transition of General Electric to the use of electronic commerce. The Focus on Society boxes present scenarios or problems associated with the onset of the networked economy. For example, the Focus on Society box in chapter 12 covers the problems facing people living in “Internet time.” The technology focus boxes describe, in greater detail, technologies associated with the chapter topic. For example, the Focus on Technology box in chapter 3 describes the latest technology for wireless access to the Internet. The Focus on the Internet boxes describe Internet applications or companies that use or support the chapter topic. For example, in the chapter on security and crime (chapter 10), the Internet focus box describes a new Internet application that enables users to securely save electronic documents in Safe-DepositBox.com. Finally, the Focus on People boxes provide an inside look at people closely associated with the growth of the networked economy. For example, the Focus on People box in chapter 6, on decision support systems, describes Bill Inmon, the father of the data warehouse.

The review and discussion questions at the end of the chapter provide the reader with an opportunity to review what they have learned from the chapter and to research and discuss issues associated with the material. The end-of-chapter case, WildOutfitters.com, is a continuing case that introduces the reader to Alex and Claire Campagne, owners of a small shop specializing in equipment and provisions for outdoor recreation located near the New River Gorge of West Virginia. The Campagnes are moving their business onto the Internet and the case asks students to apply what they have learned in the chapter to the development of the company. The WildOutfitters.com cases also requests that readers use Microsoft Office (or equivalent software) to solve problems associated with the situation described in the case.

Ancillary Materials

In addition to this textbook, there are a variety of ancillary items that are a part of the *Information Technology and the Networked Economy* package. These include a complete set of slides in Microsoft PowerPoint format, created by Norman Hollingsworth of Georgia Perimeter College; and a Test Bank, in electronic format,

that includes more than fifteen hundred test questions, created by Mark Huber of the University of Georgia. Both of these are available to adopters of the textbook. In addition, there will be two Web sites associated with this book, one that provides information and data files to both instructors and students and one that is associated with the running case on fareastfoods.com.

The Web site for the textbook, at <http://www.harcourtcollege.com/infosys/mckeown>, will provide students with data files necessary to work with the WildOutfitters.com case as well as answers to the Quick Review questions in the text. For instructors, this Web site provides a wealth of material, including an online Instructor's Manual, additional boxed inserts, and Microsoft Excel projects. The online Instructor's Manual contains a variety of items for each chapter, including: teaching objectives, learning objectives, chapter outlines, chapter reviews, list of teaching suggestions, annotated list of boxed inserts, suggested readings and Web sites, answers to review and discussion questions, and suggested solutions to the WildOutfitters cases.

The Web site, <http://www.fareastfoods.com>, corresponds to the case that runs throughout the textbook and allows students to interact with a simulated electronic commerce company. Although students cannot actually receive goods from fareastfoods.com, they can carry out all of the other activities described in the text.

A special ancillary available only to adopters of *Information Technology and the Networked Economy* are a group of Microsoft Excel projects and associated spreadsheet grading software. These Excel projects can be assigned independently of the textbook, to provide the students with opportunities to practice their spreadsheet skills. The spreadsheet grading software can grade spreadsheet projects stored on a local or network drive, create a class roll spreadsheet of student names and ID numbers and copy the grading results to it, and send the graded spreadsheets back to the student. All of this is accomplished automatically without requiring the instructor to be involved in the process.

Acknowledgments

Anyone familiar with writing a textbook such as this knows that the final product is not just the work of the author, but the result of a team effort. The team for *Information Technology and the Networked Economy* included many talented people, and I am thankful for their efforts. First, I want to thank Richard T. Watson of the Terry College of Business at the University of Georgia for his work as Consulting Editor on the text. In this role, Rick worked with me to define the key ideas in the text, discussed the topical coverage of each chapter with me, and acted as first reviewer of each chapter. I certainly could not have written this book without his help. I also want to thank Craig Piercy of Towson University for writing the WildOutfitters.com cases that appear at the end of each chapter. He brought to this part of the book a special talent for making the cases interesting as well as useful in the learning process. The health section of chapter 12 is primarily the result of work carried out by my wife, Carolyn McKeown, RN, BSN, and I want to express special thanks to her for that effort.

I also want to express my appreciation for those who reviewed one or more chapters of the manuscript. The final text reflects many of their ideas.

I would like to thank those at Harcourt College Publishers who were involved in editing and producing this textbook. Larry Crowder did an outstanding job as Developmental Editor in working with me to create the project. Louise Slominsky worked as Project Editor and I appreciate her efforts. Thanks also go to the Production Manager, James McDonald; to the Permissions Editor, Linda Blundell; to Mike Nichols who copyedited the manuscript; and to the Art Director, Scott Baker, who designed the book. I also want to express my sincere appreciation to Christina Martin, Executive Editor for Computer Technologies, for doing an outstanding job of seeing this project to completion and for being patient with me.

Finally, my acknowledgments would be incomplete without again mentioning my wife, Carolyn. Without her love, support, and work on the project, I would not have been able to complete it on time.

R e v i e w e r s

Stephen Barclay *Southwest Texas State University*

Harry Benham *Montana State University*

Melinda Cline *University of North Texas*

Lauren Eder *Rider University*

Dale Goodhue *University of Georgia*

Susan Helms *Metropolitan State College of Denver*

Dolly Samson *Weber State University*

Richard Watson *University of Georgia*

C o n t e n t s

➤ Part I INTRODUCTION TO INFORMATION TECHNOLOGY AND THE NETWORKED ECONOMY 1

CHAPTER 1 THE NETWORKED ECONOMY: A NEW WAY OF DOING BUSINESS 3

Our Changing World	5
The Networked Economy	5
Old versus New: Purchasing a Camera	7
Changing the Rules	9
Scarcity	9
Searching Strategies	11
Transactions	11
Communications	12
Information Storage	12
Impact on Business and Industry	14
Elements of the Networked Economy	15
Economic Relationships	15
Computers	15
Connectivity	16
Knowledge	17
Infrastructure of the Networked Economy	19
The Effect of Personal Computers	20
The Role of Information Technology	21
fareastfoods.com	21
Information Technology in Organizations	23
Systems	23
Information Systems	24
Handling the Present	25
Remembering the Past	26
Preparing for the Future	26
A Look Ahead	27
Learning Objectives	28
Summary	28
Review Questions	29
Discussion Questions	29
Case: WildOutfitters.com	30

CHAPTER 2 INFORMATION TECHNOLOGY: THE INFRASTRUCTURE OF THE NETWORKED ECONOMY 31

Elements of Information Technology	33
Hardware: The Physical Side of Information Technology	33
Input	34

- Processing 34
- Output 34
- Secondary Storage 35
- Conceptual Computer 35
- Bits, Bytes, and Binary Numbers 36
- Software: The Instructions for Information Technology 38
 - Types of Software 38
 - Operating System Software 39
 - Application Software 39
 - Software Terminology 41
 - Computer Programs and Languages 41
- Organizational Computing 44
 - Servers and Mainframes 44
 - Personal Computers 45
 - Client/Server Computing 46
 - Three-Tiered Architecture 47
- Follow the Transaction at fareastfoods.com 50
 - Student PC Hardware and Software 51
 - Follow the Transaction: Submitting the Order 51
 - Sending Data on the Internet 53
- Follow the Transaction: Processing the Food Order 53
 - Order Fulfillment Operations 54
 - Operation 1: Web Server Processing 54
 - Operation 2: Application Server Processing 55
 - Operation 3: Querying the Credit Card Company 55
 - Operation 4: Filling the Order 55
 - Operation 5: Requesting Delivery 56
- Follow the Transaction: Delivery of Order 56
 - Summary* 57
 - Review Questions* 59
 - Discussion Questions* 59
 - Case: WildOutfitters.com* 59
- Appendix to Chapter 2: A Short History of Computers* 60**
 - The Evolution of the PC 61

CHAPTER 3 SHARING INFORMATION AND RESOURCES THROUGH NETWORKS 63

- Computer Networks 65
 - Network Size 65
- Understanding Wide Area Networks 67
 - Application Software Layer 68
 - Networking Software Layer 68
 - Physical Layer 69
 - Receiving the Message 71
 - Packet Switching 72
 - Electronic Data Interchange 73
- Understanding Local Area Networks 75
 - LAN Components 75

Ethernet LANs	77
LANs at fareastfoods.com	77
Wireless LANs	78
The Internet: A Network of Networks	78
What Is the Internet?	79
Using the Internet	80
E-Mail	81
FTP	82
Telnet	83
Newsgroups	83
The World Wide Web	85
Using Browsers to Access the Web	86
Browser Operations	88
The Web and Electronic Commerce	91
Intranets and Extranets	91
<i>Summary</i>	91
<i>Review Questions</i>	93
<i>Discussion Questions</i>	93
<i>Case: WildOutfitters.com</i>	93

⊙ Part 2 INFORMATION SYSTEMS IN ORGANIZATIONS 95

CHAPTER 4 HANDLING THE PRESENT WITH TRANSACTION PROCESSING SYSTEMS 97

Information Systems in Organizations	99
Types of Information Systems	99
Information Systems and Risk	101
Understanding Business Processes	102
Business Processes in the Networked Economy	104
Business Processes at fareastfoods.com	105
Improving Business Processes	105
Transaction Processing Fundamentals	106
TPS Activities	106
Transaction Processing Methods	107
More on Transaction Processing Activities	110
Data Gathering and Entry	111
Processing and Data Manipulation	112
Data Storage	113
Output and Reporting	113
Transaction Processing at fareastfoods.com	114
Business-to-Business TPS in the Networked Economy	115
Interorganizational Systems	116
Using the Internet to Implement IOS	116
Replacing EDIs with Extranets	118
Extranets and Value Chains	120
Application to fareastfoods.com	120
<i>Summary</i>	121
<i>Review Questions</i>	122

Discussion Questions 123
Case: WildOutfitters.com 123

CHAPTER 5 REMEMBERING THE PAST WITH ORGANIZATIONAL MEMORY 125

Organizational Memory 127
 Components of Organizational Memory 128
 Structured versus Semistructured Organizational Memory 128
Structured Storage of Data 129
 Development of Database Management Systems 130
 Database Management Systems 131
 Database Terminology 131
 Data Warehouses 133
Relational Database Management Systems 135
 Relational Database Operations with SQL 138
 Object-Oriented Databases 140
Information Management 140
 Paper-Based Information Storage 140
 Electronic Imaging 142
 Structured versus Semistructured Information 142
Knowledge Management 143
 Types of Knowledge 144
 Sharing Knowledge 145
 Groupware 146
 Expert Systems 148
Summary 151
Review Questions 152
Discussion Questions 152
Case: WildOutfitters.com 153

CHAPTER 6 PREPARING FOR THE FUTURE WITH DECISION SUPPORT SYSTEMS 154

Preparing for the Future 156
 Defining Decision Support Systems 157
 Types of Decision Support Systems 157
Decision Making Concepts 159
 Types of Decisions 160
 Decisions Facing fareastfoods.com 161
Information-Based Decision Support Systems 163
 Types of Reports 165
 Information for Top Executives 167
 Finding Information on the Web 169
Data-Based Decision Support Systems 170
 Online Analytical Processing 171
 Data Mining 174
Model-Based Decision Support Systems 177
 Parts of a Model-Based Decision Support System 177
 Using Models 177

The Model-Based Decision Support Systems User	178
<i>Summary</i>	179
<i>Review Questions</i>	181
<i>Discussion Questions</i>	182
<i>Case: WildOutfitters.com</i>	182

CHAPTER 7 PREPARING FOR THE FUTURE WITH ELECTRONIC COMMERCE 184

Electronic Commerce and the Networked Economy	185
The Effects of Electronic Commerce	186
A Different Way of Doing Business	188
Leveling the Playing Field	189
Reversing the Flow of Communications	190
Changing Role of Intermediaries	190
Electronic Commerce Infrastructure	192
National Information Infrastructure	192
Message Distribution Infrastructure	193
Electronic Publishing Infrastructure	193
Business Services Infrastructure	193
An Electronic Commerce Application	193
Application to fareastfoods.com	194
Electronic Commerce Strategies	194
Handling Risks	195
Types of Web Sites	195
Strategic Planning	198
A Two-Stage Model to Attractiveness	199
Securing Electronic Commerce Transactions	202
Security Issues	203
Encryption	203
Signing	204
Electronic Commerce Payment Systems	207
Concerns with Electronic Money	208
Credit Cards	208
Electronic Funds Transfer	209
Card-Based Digital Cash	210
Computer-Based Digital Cash	211
<i>Summary</i>	212
<i>Review Questions</i>	214
<i>Discussion Questions</i>	214
<i>Case: WildOutfitters.com</i>	215

⊕ Part 3 DESIGN AND DEVELOPMENT OF INFORMATION SYSTEMS 217

CHAPTER 8 DEVELOPING INFORMATION SYSTEMS 1 219

Systems Development	220
When Is Systems Development Needed?	221
Systems Development at fareastfoods.com	222

Approaches to Systems Development	222
Ad Hoc Programming	222
Structured Approach	223
Rapid Application Development	223
End-User Development	224
Outsourcing	225
Acquisition	225
Internal Development, Outsourcing, or Acquisition	225
A Look Ahead	225
Structured Systems Development	226
The Systems Development Life Cycle	226
Overview of SDLC	227
SDLC in the Networked Economy	228
Planning Stage	229
Identifying the Project	231
Initiating the Project	231
Performing a Feasibility Study	231
Creating a Workplan	232
Staffing the Project	232
Magnitude of Effort	233
Planning Stage for fareastfoods.com Project	233
Feasibility Study	234
Developing a Workplan and Staffing the Project	236
Analysis	237
Requirements Determination	238
Model Building	239
Analysis of fareastfoods.com Project	240
Model Building: The Data Model	240
Model Building: The Process Model	242
System Proposal	243
<i>Summary</i>	243
<i>Review Questions</i>	244
<i>Discussion Questions</i>	245
<i>Case: WildOutfitters.com</i>	245
CHAPTER 9 DEVELOPING INFORMATION SYSTEMS 2	247
Continuing the Development Process	249
Design Stage	249
Implementation Stage	250
Design Stage	250
Develop Internally, Outsource, or Acquire?	250
Internal Development	252
Physical Database Specification	252
Converting Process Models to Physical Forms	253
Creating Interface Screens	256
Using Computer-Aided Software Engineering	256
Implementation Stage	258
Building the System	258

The Programming Process	258
Installing the System	262
Training Staff	262
Performing Maintenance	264
Outsourcing and Acquisition	265
Outsourcing	265
Acquisition	267
Enterprise Resource Planning Systems	268
Rapid Application Development	271
Types of Prototypes	272
Evolutionary Prototyping	273
<i>Summary</i>	275
<i>Review Questions</i>	277
<i>Discussion Questions</i>	277
<i>Case: WildOutfitters.com</i>	278

➤ Part 4 ISSUES IN THE NETWORKED ECONOMY 281

CHAPTER 10 CRIME AND SECURITY IN THE NETWORKED ECONOMY 283

The Changing Face of Crime	284
Introduction to IT Crime	284
IT Criminals	285
The Changing Nature of Crime	286
IT Crime and fareastfoods.com	286
Types of IT Crime	286
Theft of Hardware, Data, or Information	287
Fraudulent Use of IT	288
Copyright Infringement	291
Software Piracy	292
Software Piracy and the Law	292
Music Piracy	294
Other Issues on the Web	294
Attacks on Information Technology	294
Viruses and Other Types of Destructive Software	294
Attacks on Web and E-Mail Servers	297
Attacks on IT Users	298
Legal Aspects of IT Crime	298
Information Technology Security	299
Threats to Computer Systems	299
Physical Security	299
Data Security	302
Internet Security	304
Securing the Corporate Internet Connection	304
Legal Issues	307
Insurance against IT Crime	309
Human Aspects of Computer Security	309
<i>Summary</i>	310

Review Questions 311
Discussion Questions 311
Case: WildOutfitters.com 311

CHAPTER 11 PRIVACY AND ETHICAL ISSUES IN THE NETWORKED ECONOMY 313

Information Technology and Privacy 315
 Privacy versus Customization 315
 Privacy Concerns 316
 The Changing Nature of Privacy 317
Data and Information Collection Using IT 318
 Transactional Data 319
 Web-Visit Data 321
 Internet Communications Data 324
 Data Collection at fareastfoods.com 326
Threats to Privacy 326
 Information Exposure 326
 Data Surveillance 326
 Information Brokers 330
 Identity Theft 331
 Junk E-Mail 331
 Using Information at fareastfoods.com 332
Protecting Privacy 333
 Legislative Approach 334
 Self-Regulation 335
Ethical Issues in the Networked Economy 336
 Discussion and Application of the Ten Commandments of
 Computer Ethics 338
 Summary 340
 Review Questions 341
 Discussion Questions 341
 Case: WildOutfitters.com 342

CHAPTER 12 SOCIETAL ISSUES IN THE NETWORKED ECONOMY 343

Living in Internet Time 345
 Elements of the Networked Economy 345
 An Example of Working in Internet Time 346
 Creation of Societal Issues 349
Economic Issues in the Networked Economy 349
 Productivity and Workplace Issues 350
 Changing Work Requirements and Economic Dislocation 352
 Global Issues 352
 Taxation of Electronic Commerce 354
Telecommuting 355
 Telecommuting Locations 356
 Telecommuting Advantages and Disadvantages 356
 Telecommuting at fareastfoods.com 357
Health Issues in the Networked Economy 357

Repetitive Stress Injuries	357
Carpal Tunnel Syndrome	359
Causes of Repetitive Stress Injuries	360
Mouse Problems	360
Ergonomics	361
Psychological Problems	363
Health Problems at fareastfoods.com	363
Web Content Issues	364
Adult-Oriented Web Sites	364
Terrorist-Oriented Web Sites	365
Web-Based Gambling Sites	365
The Future of the Networked Economy	366
A Day in the Life of Mary: 2005	366
<i>Summary</i>	369
<i>Review Questions</i>	370
<i>Discussion Questions</i>	371
<i>Case: WildOutfitters.com</i>	371
<i>Glossary</i>	373
<i>Credits</i>	383
<i>Index</i>	385