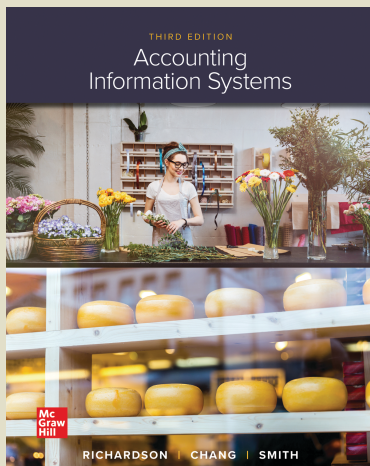# List of Changes

Accounting Information Systems
3e
Richardson, Chang, Smith

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available in

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Accounting Information Systems, 3e covers the four roles for accountants with respect to information technology: users of technology and information systems, managers of users of technology, designers of information systems, and evaluators of information systems. Accountants must understand the organization and how organizational processes generate information important to management. The focus of *Accounting Information Systems, 3e* is on the accountant's role as a business analyst in solving business problems by database modeling, database design, and business process modeling. Unlike other texts that provide a broad survey of AIS related topics, this text concentrates on developing practical business analysis skills through real-world examples, problems, and projects. Whether you are developing a new course for AIS or incorporating AIS materials into your existing curriculum, Accounting Information Systems 3e will help your students develop the technological skills they need for their future careers.

SEE LIST OF CHANGES ATTACHED.

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Changes to Richardson: Accounting Information Systems, 3e

General Updates for the 3ʳᵈ Edition:
- Added an additional chapters on Data Analytics (now two chapters, Chapters 10 and 11), and an additional chapter on Blockchain and Artificial intelligence (all-new Chapter 12).
- Introduce to Tableau and Power BI for data analysis.
- Added additional end-of-chapter Multiple Choice Questions and Problems throughout the text.
- Significantly revised many end-of-chapter Problems for availability and auto-grading within Connect.
- Revised and added many new Discussion Questions in most chapters.
- Updated integrated projects.

Specific chapter changes for Accounting Information Systems, 3rd Edition, are as follows:
Chapter 1
- Updated the opening vignette, highlighting the use of Starbucks Clover coffee machines.
- Updated real-world references with current examples.

Chapter 2
- Increased introductory coverage of BPMN.
- Added discussion of flow object types, including gateway and event types.
- Introduced repeating activities.
- Added introduction to data objects, data stores, and associations.

Chapter 3
- Updated discussion of how the multiplicities for associations indicate where foreign keys are posted in relational tables.
- Added discussion of business rules, decision requirements, and decision tables.

Chapter 4
- Updated the section Using Microsoft Access to Implement a Relational Database. Figures 4.6 through 4.17 were updated using Microsoft Access 2019.
- Updated Appendix A. Figures 4.A1 through 4.A9 were updated using Microsoft Access 2019.

Chapter 5
- Added additional figures related to sales activity models.
- Updated the Chapter 5 Comprehensive Exercise.

Chapter 6
- Updated the Chapter 6 Comprehensive Exercise.

Chapter 7
- Updated BPMN diagrams to include revisions to Chapter 2.

Chapter 8
- Revised both integrated projects to accommodate various class schedules and to allow instructors to rotate projects.
- The first of the two integrated projects is a more challenging project that includes issues related to managing inventory levels and internal inventory transfers. Other topics covered include multiple sales types, including internet, wholesale, and retail sales, where customers can pay by cash, check, or credit card.
- The second of the two integrated projects is shorter and less challenging and focuses on wholesale sales from multiple distribution centers.

Chapter 9
- Reordered chapter to emphasize importance of reporting processes.
- Updated opening vignette.
- Updated discussion on the uses of XBRL.

Chapter 10
- Introduced the AMPS model for Data Analytics.
- Introduced four types of analyses, including descriptive, diagnostic, predictive, and prescriptive analytics.

- Added four labs (one for each type of analysis) with two data sets, each illustrating Data Analytics in both Excel and Tableau.
- Added additional problems to the end of the chapter.

Chapter 11
- All-new chapter on Data Analytics.
- Provides some hands-on introduction to Data Analytics tools.
- Guides students through the use of Excel for Data Analytics.
- Guides students through the use of Tableau for Data Analytics.
- Guides students through the use of Power BI for Data Analytics.

Chapter 12
- A new chapter to introduce emerging technologies on blockchain and artificial intelligence and their impact on accounting and auditing.

Chapter 13
- Added the new components and principles of COSO ERM 2017 framework regarding enterprise risk management.
- Updated the COBIT framework using COBIT 2019.
- Updated the Appendix on ERP and control issues.

Chapter 14
- Introduced the AICPA attestation guide on cybersecurity risk management.
- Introduced General Data Protection Regulation (GDPR) on privacy protection.
- Updated computer fraud schemes.

Chapter 15
- Updated the opening vignette.
- Added information on continuous monitoring in AIS.

Chapter 16
- Added discussion of the business model canvas as a business model development and communication tool.

Chapter 17
- Added an all-new opening vignette, highlighting Gerri Martin-Flickinger as the Starbucks chief technology officer and Starbucks' relationship with Microsoft.

Chapter 18
- Updated the opening vignette highlighting technology used at Walmart.
- Updated Figure 18.2 with recent information technology project outcomes.
- Added additional problems.

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