

Software Modeling and Architectural Design: UML, Use Cases, Patterns, and Software Architectures

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Corrections

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Chapter 2: Overview of UML Notation

Page 20, Figure 2.7: Delete horizontal internal arrow touching Substate A1.

Chapter 6: Use Case Modeling

Page 88, section 6.9, last paragraph, last line but one: Change “Pay by Cash” to “Pay by Debit Card”.

Chapter 8: Object and Class Structuring

Page 122, Figure 8.5: Reverse direction of arrow below “Light Command”.

Chapter 14 Designing Object-Oriented Software Architectures

Page 243, Figure 14.7: Change “#” to “+” in Account box x4.

Page 248, sixth line, change “>” to “<”

Chapter 18 Designing Concurrent and Real-Time Software Architectures

Page 339, Figure 18.21: Change arrow below print (receiptInfo) from stick arrowhead to black arrowhead. (Alternatively replace this figure with a copy of the identical figure: Figure 21.30 on page 408).

Chapter 21: Client/Server Software Architecture Case Study: Banking System

Page 378, second paragraph, eighth line: delete “, account Type,”

Page 379, Figure 21.4: Change “0,2” to “0..2” to right of Account box.

Page 380, Figure 21.5: Delete “accountType : String” in Account box.

Page 380, Figure 21.7: Delete “accountType : String” in CardAccount box.

Page 381: Change “Card Id, account Number, and account Type” to “Card Id and account Number” .

Page 415, Section 21.12, third paragraph, fourth line: change “is an” to “is not an”.

Page 417, second paragraph, change the following:

- a) Fifth line: Delete “accountType” to make:
Checking Account (accountNumber, balance, lastDepositAmount)
- b) Seventh line: Delete “accountType” to make:
Savings Account (accountNumber, balance, interest)
- c) Eighth line: Italicize *cardId*, *accountNumber* to make:
Card Account (*cardId*, *accountNumber*)
- d) Ninth line: Italicize *customerId*, *accountNumber* to make:
Customer Account (*customerId*, *accountNumber*)
- e) Last line but one: Underline *bankId*, *ATMId* to make:
PIN Validation Transaction (*bankId*, *ATMId*, *date*, *time*, transactionType, cardId, PIN, startDate, expirationDate)

Page 422: 13th line: Change “cardReaderInterface” to “cardReaderMessageBuffer”.

Chapter 22: Service-Oriented Architecture Case Study: Online Shopping System

Page 437, Figure 22.14: Delete “D13a: Prepare to Commit”

Answers to Exercises

Page 537:

Chapter 6: Use Case Modeling

Change 1. (c) to 1. (b)

Page 538:

Chapter 12: Overview of Software Architecture

Change 6. (a) to 6. (d)

Chapter 14: Overview of Software Architecture

Change 4. (c) to 4. (b)