Fig. 25.21 | Class CashDispenser with operation parameters.

# 25.8 Indicating Collaboration Among Objects

| An object of class…	sends the message…	to an object of class…
ATM	displayMessage getInput authenticateUser execute execute execute	Screen Keypad BankDatabase BalanceInquiry Withdrawal Deposit
BalanceInquiry	getAvailableBalance getTotalBalance displayMessage	BankDatabase BankDatabase Screen
Withdrawal	displayMessage getInput getAvailableBalance isSufficientCashAvailable debit dispenseCash	Screen Keypad BankDatabase CashDispenser BankDatabase CashDispenser
Deposit	displayMessage getInput isEnvelopeReceived credit	Screen Keypad DepositSlot BankDatabase

Fig. 25.22 | Collaborations in the ATM system. (Part 1 of 2.)

| An object of class…	sends the message…	to an object of class…
BankDatabase	validatePIN	Account
	getAvailableBalance	Account
	getTotalBalance	Account
	debit	Account
	credit	Account

Fig. 25.22 | Collaborations in the ATM system. (Part 2 of 2.)
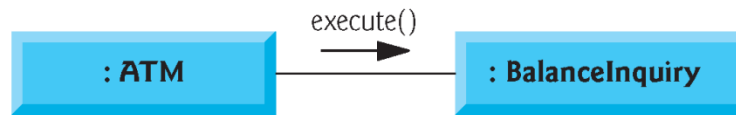
Fig. 25.23 | Communication diagram of the ATM executing a balance inquiry.
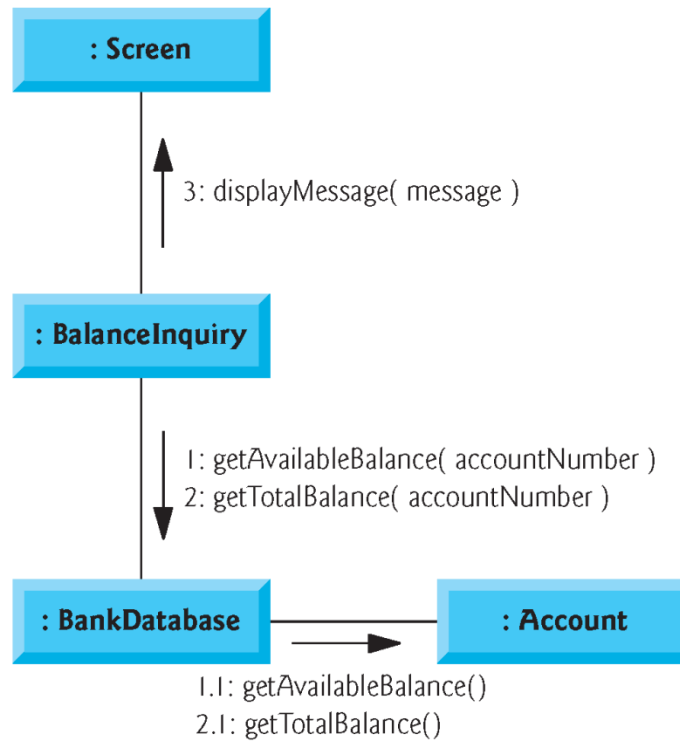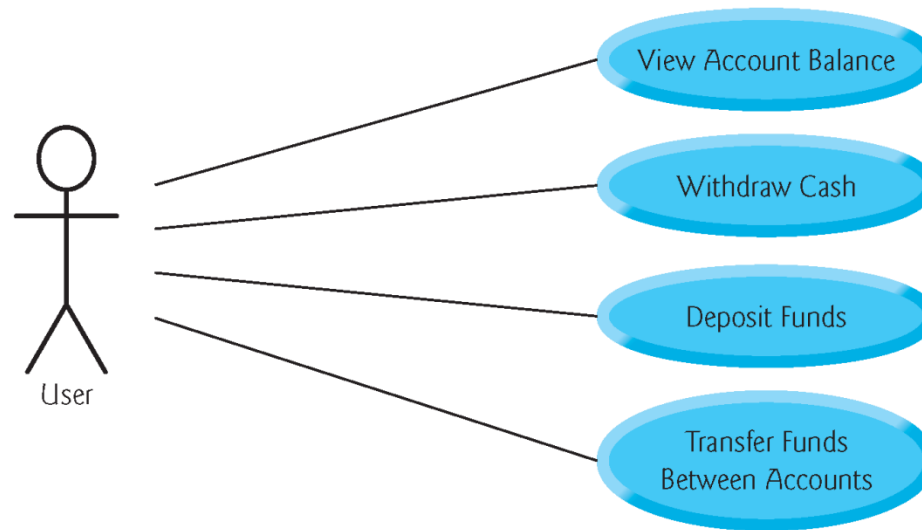
Fig. 25.24 | Communication diagram for executing a balance inquiry.
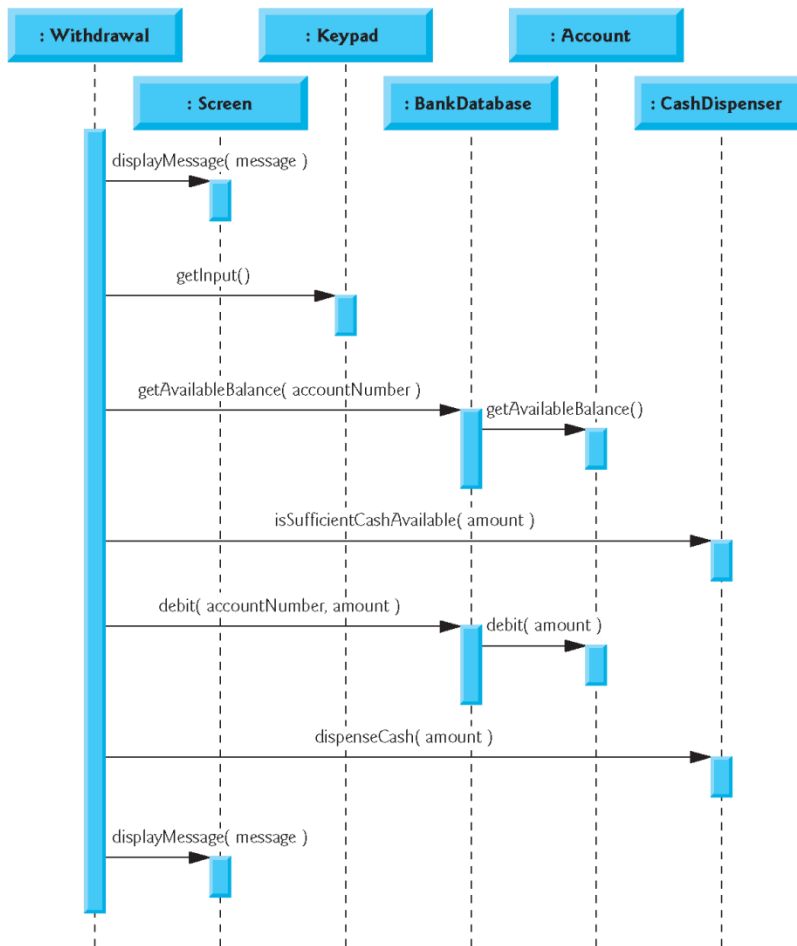
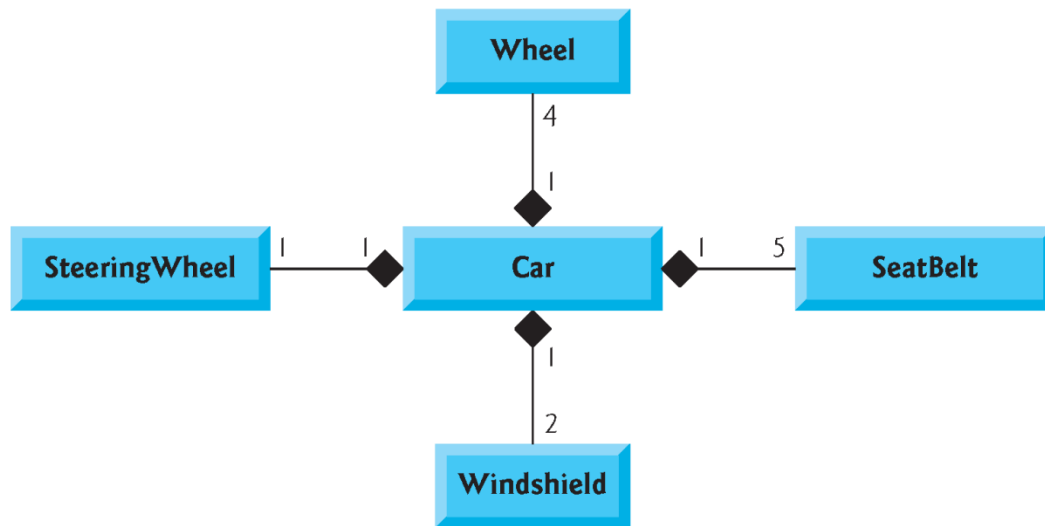**Fig. 25.25** | Sequence diagram that models a `Withdrawal` executing.
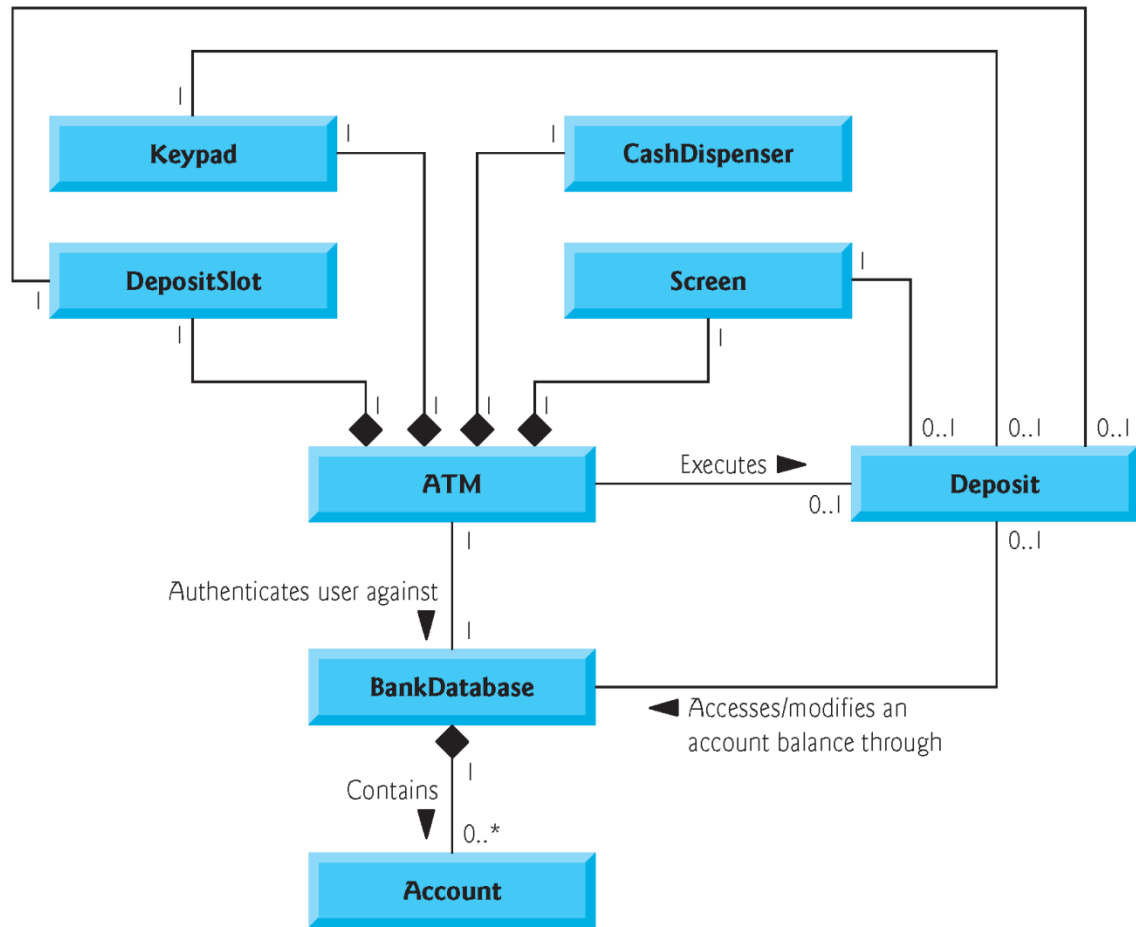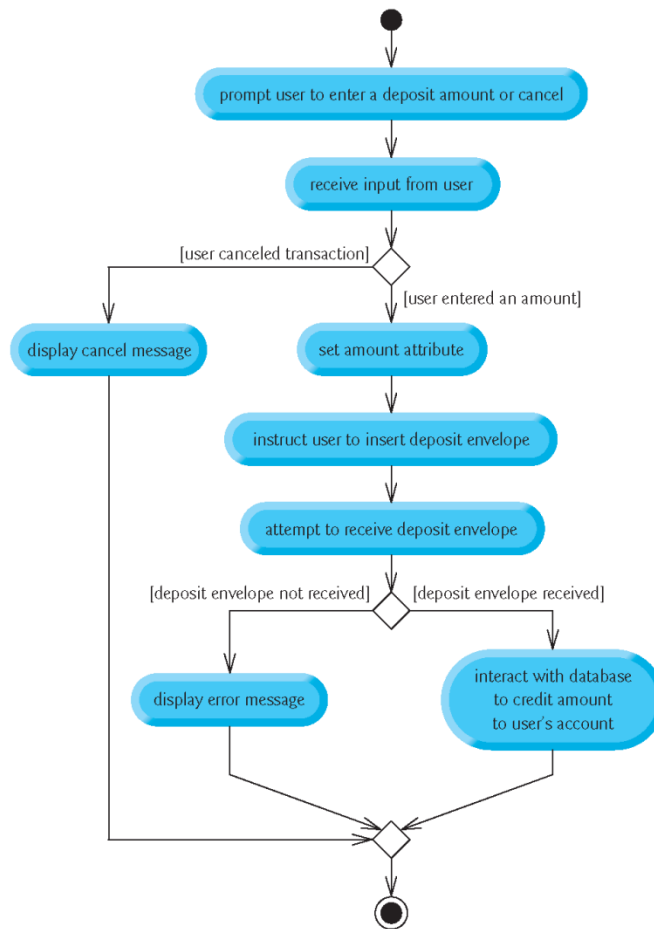
Answers to Self-Review Exercises

Fig. 25.26 | Use case diagram for a modified version of our ATM system that also allows users to transfer money between accounts.
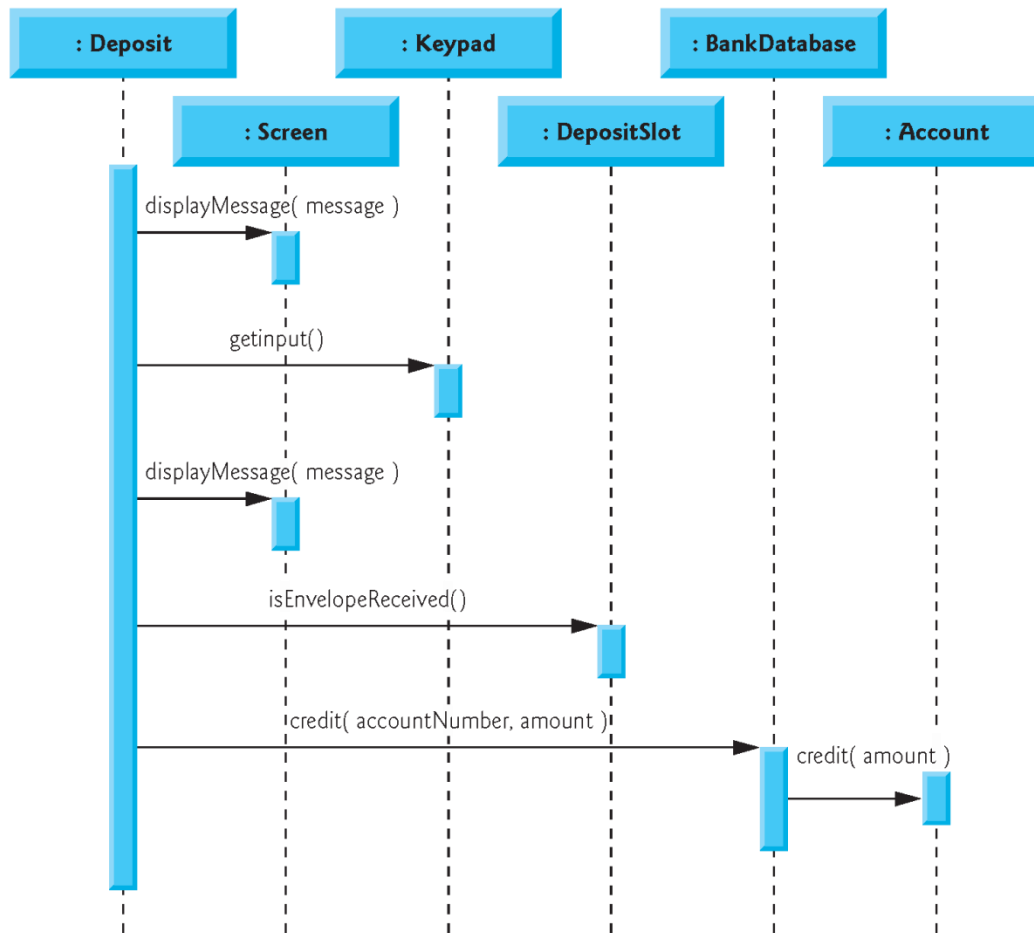
Fig. 25.27 | Class diagram showing composition relationships of a class Car.

Fig. 25.28 | Class diagram for the ATM system model including class
Deposit

Fig. 25.29 | Activity diagram for a Deposit transaction.

Fig. 25.30 | Sequence diagram that models a `Deposit` executing.