
TP 3

Génie Logiciel

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1 Exercice 1

1.1 1/

Actor	System Response
User inserts card	Prompts user to enter PIN
User types PIN	Verifies PIN
User selects withdrawal	Asks for withdrawal amount
User enters amount	Verifies balance and dispenses cash / Returns an error if balance is too low

FIGURE 1

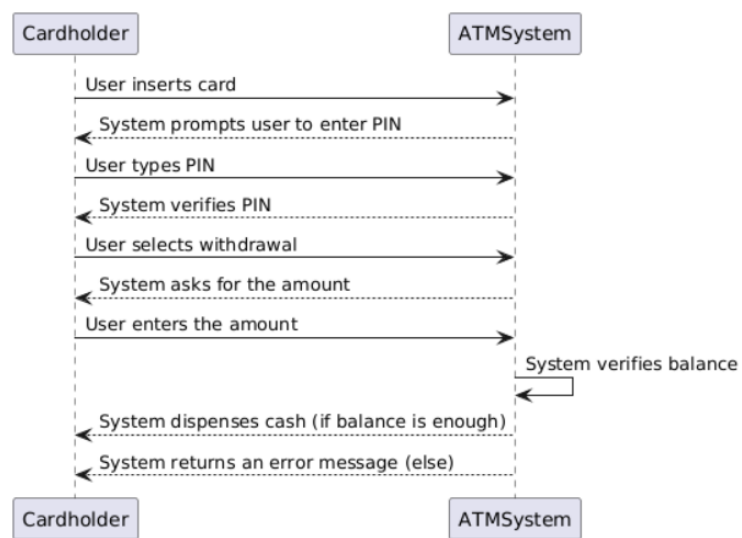


FIGURE 2

1.2 2/

Actor	System Response
User inserts card	
	Forwards card to Card Controller
Card Controller	
	Validates card and forwards to Bank / Returns an error if the card is invalid
Bank asks for ID verification	
	Asks for authentication (PIN)
User types PIN	
	ATM forwards PIN to Bank
Bank verifies PIN	
Bank grant authorization if successful	
	Asks for transaction type authorization / Returns an error if authorization is denied
User selects withdrawal	
	Asks for withdrawal amount
User enters amount	
	Requests balance check from Bank
Bank checks the balance and grants authorization if amount < balance	
	Asks CashDispenser to dispense the amount / Returns an error if authorization is denied
CashDispenser	
	Dispenses cash
Account	
	Updates balance

FIGURE 3

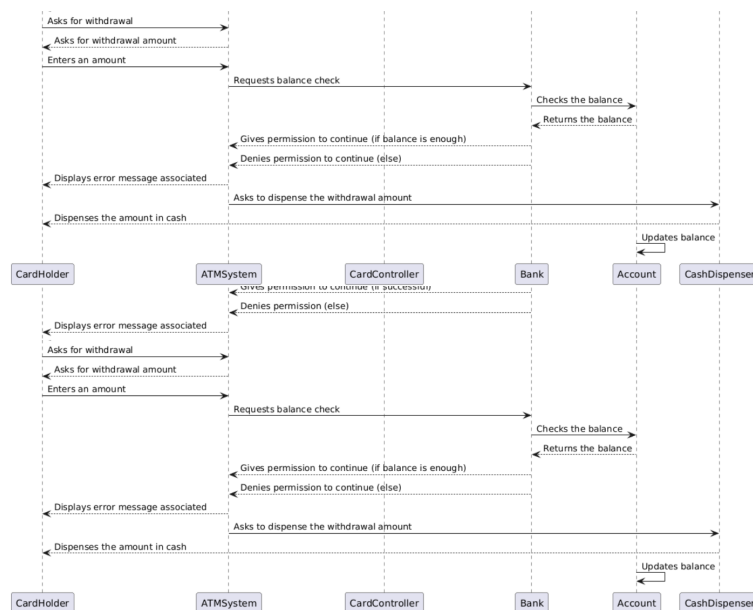


FIGURE 4

2 Exercice 2

2.1 1/

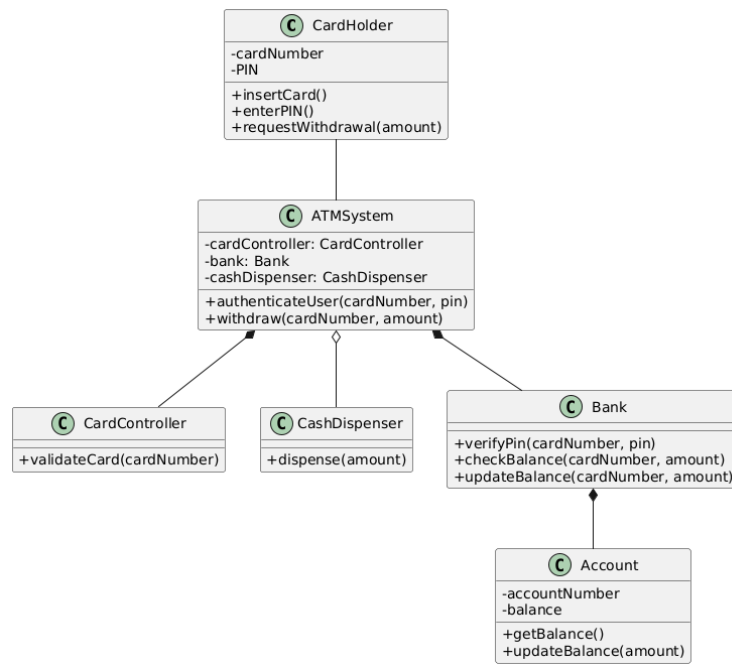


FIGURE 5

2.2 2/

Voir fichiers java.