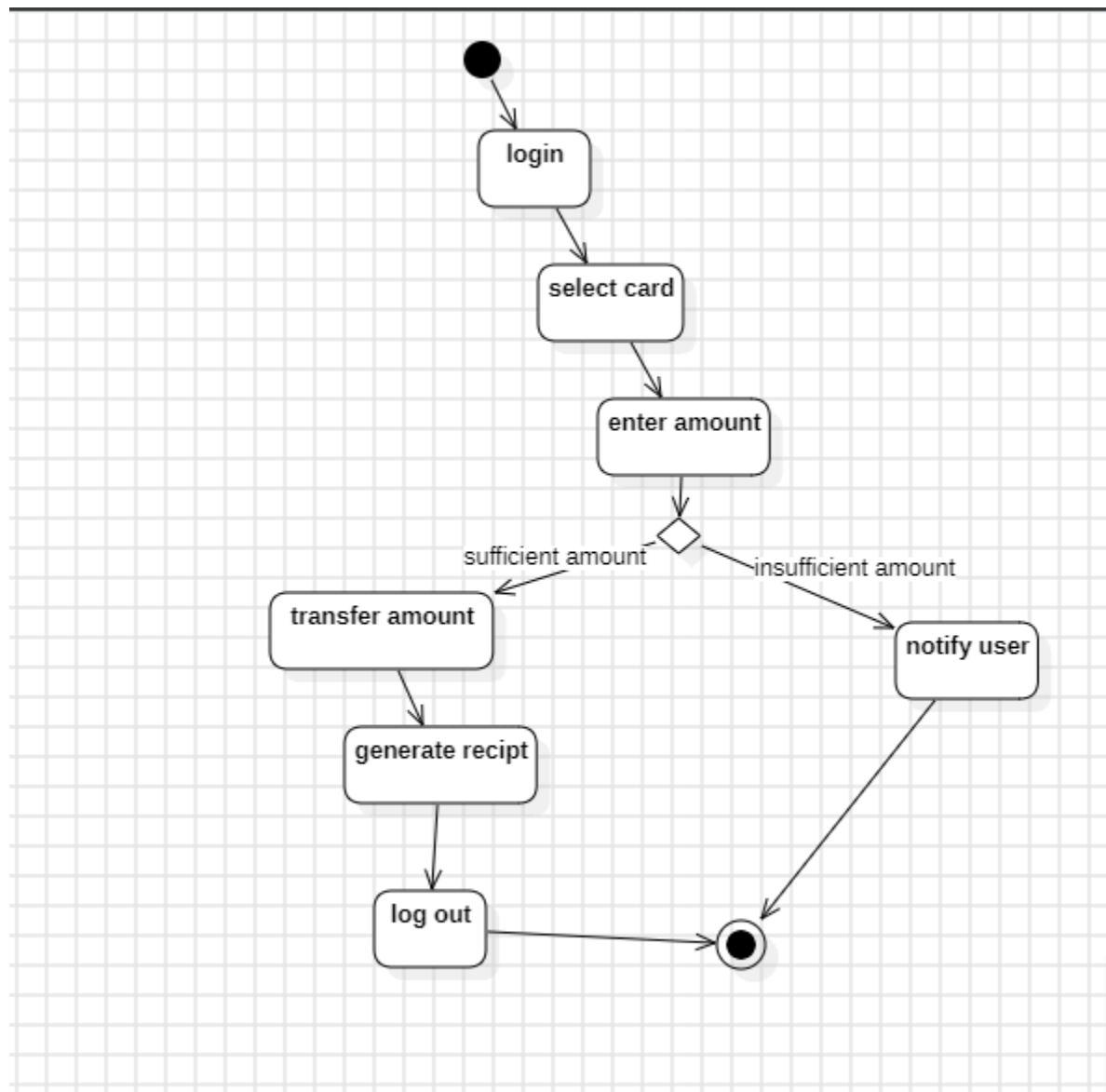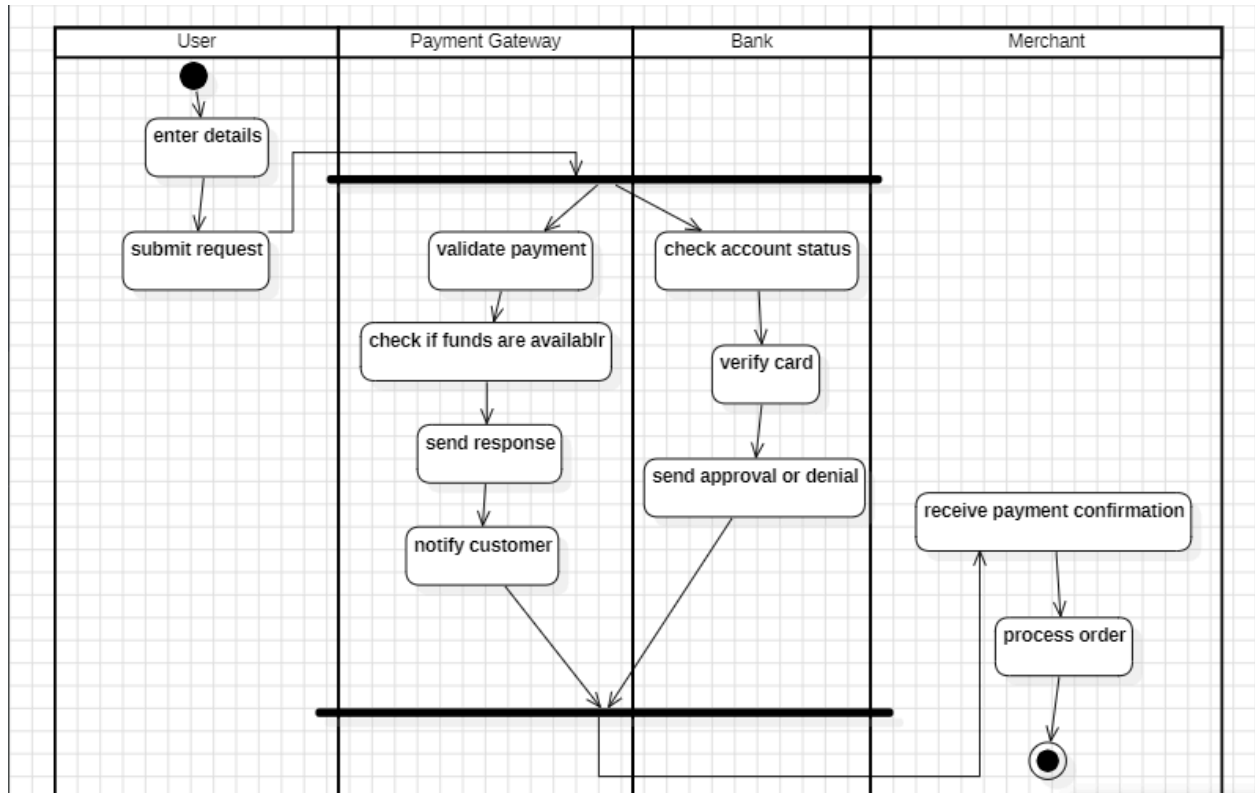ACTIVITY DIAGRAM:BOTH SIMPLE AND ADVANCED

SIMPLE ACTIVITY

ADVANCED ACTIVITY MODEL

CREDIT CARD

Card holder	Payment Gateway	Bank gateway	Merchant

Card holder:
- Enter payment details
- Submit payment request

Payment Gateway:
- Receive request
- Validate payment
- Check if funds are available
- Send response
- Notify customer

Bank Gateway:
- Check account status
- Verify card
- Send approval or denial

Merchant:
- Receive payment confirmation
- Process order