

```

public void performSession() {
    Card card = null;
    Transaction currentTransaction = null;
    while (state != FINAL_STATE) {
        switch(state)
        {
            case READING_CARD_STATE:
                card = atm.getCardReader().readCard();
                if (card != null)
                    state = READING_PIN_STATE;
                else
                {
                    atm.getCustomerConsole().display("Unable to read card");
                    state = EJECTING_CARD_STATE;
                }
                break;
            case READING_PIN_STATE:
                try
                {
                    pin = atm.getCustomerConsole().readPIN("Please enter your PIN\n" +
                        "Then press ENTER");
                    state = CHOOSING_TRANSACTION_STATE;
                }
                catch(CustomerConsole.Cancelled e)
                {
                    state = EJECTING_CARD_STATE;
                }
                break;
            case CHOOSING_TRANSACTION_STATE:
                try
                {
                    currentTransaction = Transaction.makeTransaction(atm, this, card, pin);
                    state = PERFORMING_TRANSACTION_STATE;
                }
                catch(CustomerConsole.Cancelled e)
                {
                    state = EJECTING_CARD_STATE;
                }
                break;
            case PERFORMING_TRANSACTION_STATE:
                try
                {
                    boolean doAgain = currentTransaction.performTransaction();
                    if (doAgain)
                        state = CHOOSING_TRANSACTION_STATE;
                    else
                        state = EJECTING_CARD_STATE;
                }
                catch(Transaction.CardRetained e)
                {
                    state = FINAL_STATE;
                }
                break;
            case EJECTING_CARD_STATE:
                atm.getCardReader().ejectCard();
                state = FINAL_STATE;
                break;
        }
    }
}

```