In [1]:
```
class ATM:
    def __init__(self, balance=0, pin=1234):
        self.balance = balance
        self.pin = pin
        self.transaction_history = []

    def check_balance(self, pin):
        if pin == self.pin:
            print(f"Your current balance is: {self.balance}")
        else:
            print("Invalid PIN")

    def withdraw_cash(self, amount, pin):
        if pin == self.pin:
            if amount <= self.balance:
                self.balance -= amount
                self.transaction_history.append(f"Withdrawal: -{amount}")
                print(f"Withdrawal successful. New balance: {self.balance}")
            else:
                print("Insufficient funds")
        else:
            print("Invalid PIN")

    def deposit_cash(self, amount, pin):
        if pin == self.pin:
            if amount > 0:
                self.balance += amount
                self.transaction_history.append(f"Deposit: +{amount}")
                print(f"Deposit successful. New balance: {self.balance}")
            else:
                print("Amount must be greater than zero")
        else:
            print("Invalid PIN")

    def change_pin(self, old_pin, new_pin):
        if old_pin == self.pin:
            if 1000 <= new_pin <= 9999:  # Simple PIN validation
                self.pin = new_pin
                print("PIN changed successfully")
            else:
                print("New PIN must be a 4-digit number")
        else:
            print("Invalid old PIN")

    def show_transaction_history(self):
        if self.transaction_history:
            print("Transaction History:")
            for transaction in self.transaction_history:
                print(transaction)
        else:
            print("No transactions yet")
```

In [ ]:
```
if __name__ == "__main__":
    atm = ATM(balance=1000)

    while True:
        print("\n1. Check Balance")
        print("2. Withdraw Cash")
        print("3. Deposit Cash")
        print("4. Change PIN")
        print("5. Transaction History")
        print("6. Exit")
        choice = input("Choose an option: ")

        if choice == "1":
            pin = int(input("Enter PIN: "))
            atm.check_balance(pin)
        elif choice == "2":
            amount = int(input("Enter amount: "))
            pin = int(input("Enter PIN: "))
            atm.withdraw_cash(amount, pin)
        elif choice == "3":
            amount = int(input("Enter amount: "))
            pin = int(input("Enter PIN: "))
            atm.deposit_cash(amount, pin)
        elif choice == "4":
            old_pin = int(input("Enter old PIN: "))
            new_pin = int(input("Enter new PIN (4-digit number): "))
            atm.change_pin(old_pin, new_pin)
        elif choice == "5":
            atm.show_transaction_history()
        elif choice == "6":
            print("Exiting. Have a nice day!")
            break
        else:
            print("Invalid choice")
```

```
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Change PIN
5. Transaction History
6. Exit
Choose an option: 1
Enter PIN: 123
Invalid PIN

1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Change PIN
5. Transaction History
6. Exit
Choose an option: 1
Enter PIN: 1234
Your current balance is: 1000

1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Change PIN
5. Transaction History
6. Exit
```

In [ ]: