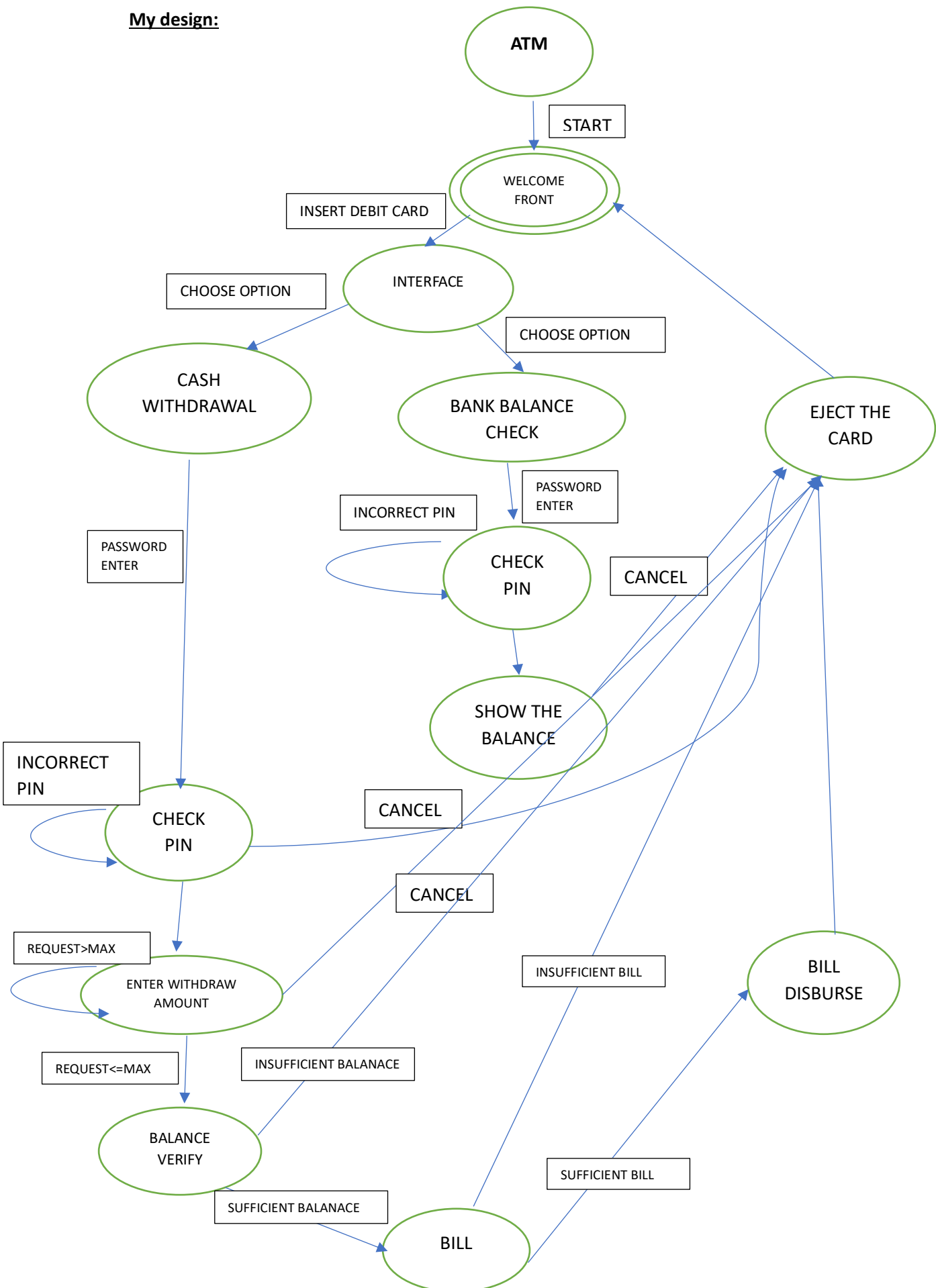


My design:



FSM:-

