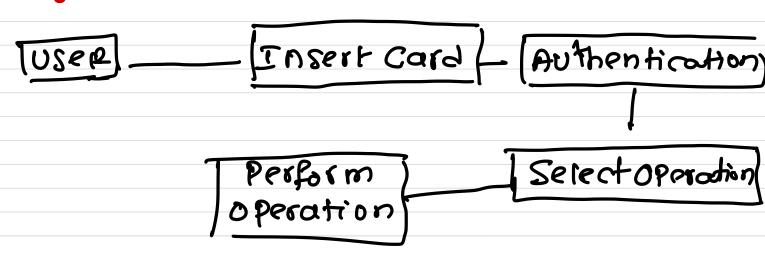
# ATM Machine (Low Level Design)

## Rough Flow:



#### OBJECTS:

- 1) USR r
- a) card
  - 3) ATM machine
- 4) Bank Account
- 5) ATM Room

#### List of Operations:

- 1) insert (ard ()
- a) authenticatec)
- 3) chooseOperations)
- 4) perform (a Shklithdrawll)
- 5) Check Cash Balancely

#### states:

- 1) Idie
- a) card Inserted
- 3) selectoperation
- 4) perform operation
  - aj cash Withdrawi State
  - 6) check Balance Staff.

# Design Patterns Used????

1) State Design Pattern:

Like do have multiple states

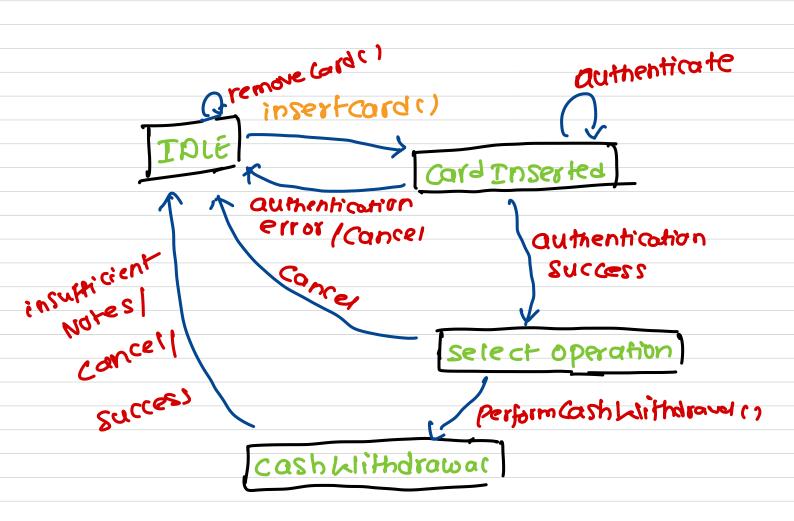
and Corresponding operations

a) Chain of Responsibility:

To perform cash withdrawal,

kle need chain of responsibility.

# State Diagram:



#### Lash Withdrawal: (Chain of Responsibility) <abstract class>> Lash Lithdrawal Dext: LashWifhGrand Kashinifhdrawal (< w how) this next = next withdrawal Cashadus nect withdrawall) 500 cash withdrawal cocash Withdrawal ak cash withdrawal o cashwithdrawal 500 cashwithdrawal 2K cashwithdrawal (cw next) { (cw next) ( (cw next) { super (next) i super (next) 1 super (next) 1 withdrawal (06)) withdrawal (06)} withdrawal (06)} itcond: do RISE SUPPY. With it cond: do itcond: do RISE SUPEY. Grawof RISE SUPEY. Graved bescending order 11c- 2002 200 Cash -) sweash Withdraw ak cash hithdrawal . Withdrawod 3000 3000-2000 21000 100 cash Withdrawal 500-5×100

### ATM LOW Level Design:

