**Bank:**

*Bankid, name, set of customers,* bannedcards,legitcards

*Constructor, addCustomer, RemoveCustomer, AddAccount, RemoveAccount, addCardToAcc, getAccsFromCustomer, validateCard*

**Atm:**

Atmid, status,location,startcapital,dispenser,currentcard,

*Constructor, setStatus,getStatus, withdraw,deposit, insertcard,ejectcard,selectacc,*

**Dispensor**

*Avaliablefunds*

*Constructor, setmoney,getavaliable,addmoney,removemoney*

**Customer:**

Name,address,id,accounts

*Constructor,getId,getName,getAddress*

**Card**:

*Number,expdate,owner*

*Constructor, getNumber,getExp,getOwnerm validatePin*

**Account:**

*Owner,balance,*

*Constructor,addmoney,withdrawmoney,getbalance,setowner,*

***Class Transaction***

**Customerid, transid,amount, type(withdraw/deposit),**

***getAmount,getType,makeTransaction***

**Mapping, set, sequence,make,invariants, pre/post conditions**