```
struct Terminal
        {
        char trans;
        int acct;
        int amt;
        };

struct Customer
        {
        int acct;
        char dogName[10];
        char ownerName[10];
        int amt;
        int hold;
        } ;
```

```
main()
{
        struct Terminal
                {
                char trans;
                int acct;
                int amt;
                } atm,tablet,callCenter;

        int atmHandle, tabletHandle, callCenterHandle;
        atmHandle = openAtm(atm);
        tabletHandle = openTablet( tablet);
        callCenterHandle = openCallCenter( tablet);

        Customer *engineResult;
        while()
                {
                int status;

                Status=readAtm(atmHandle, atm);
                if(status==0)
                        {
                        engineResult=engine(atm.trans, atm.acct, atm.amt);
                        writeAtm(atmHandle, engineResult);
                        };


                Status=readTablet(tabletHandle, tablet);
                if(status==0)
                        {
                        engineResult=engine(tablet.trans, tablet.acct, tablet.amt);
                        writeTablet(tabletHandle, engineResult);
                        };
                }

                Status=readCallCenter(callCenterHandle, tablet);
                if(status==0)
                        {
                        engineResult=engine(callCenter.trans, callCenter.acct, callCenter.amt);
                        writeCallCenter(callCenterHandle, engineResult);
                        };
                }

}
```

```
Customer * engineModel(char inputTrans, int inputAcct, int inputAmt)
        {
        static Customer
                {
                int acct;
                char dogName[10];
                char ownerName[10];
                int amt;
                } working ;

        /*get customer info*/
        Int custHandle;
        custHandle=fopen("customer", "rw")
        fRead(custHandle,inputAcct,working);

        /*process transaction*/
        if(inputTrans=='d') /*withdrawal*/
                {
                working.amt = working.amt+amt;
                }

        if(inputTrans=='w') /*deposit*/
                {
                working.amt = working.amt-amt;
                }

        if(inputTrans=='b') /*balance inquiry*/
                {
                working.amt = working.amt-working.hold
                }

        /*get customer info*/
        fWrite(custHandle,working);

        return *working;
        }
```