# CASHIER AGENT

## Data

```
private String name;
HostAgent host;

public List<MyCustomers> Customers
= new ArrayList<MyCustomers>();

public class Check {
        double bill;

        Check(double b) {
                bill = b;
        }
}
```

## Messages

```
public void msgCheckPlease(MyCustomers C){
        boolean herebefore = false;
        for (MyCustomers cust : Customers) {
                if (cust == C) {
                        cust.setOwed(false);
                        herebefore=true;
                }
        }
        if (herebefore==false) Customers.add(C);
        stateChanged();
}

public void msgPayingMyBill(CustomerAgent c) {
        print (c + " has payed");

}
```

## Scheduler

```
1.)    if(!Customers.isEmpty()) {
            for (MyCustomers cust : Customers) {
                if (cust.getOwed()==false) {
                    GiveBillToWaiter(cust);
                    cust.setOwed(true);
                    return true;
                }
            }
        }

2.)    return false;
```

## Actions

```
        private void GiveBillToWaiter(MyCustomers CurrentCustomer) {
            print("Here is the check for " + CurrentCustomer.getCustomer());
            Check ThisCheck = new Check(CurrentCustomer.GetBill());

CurrentCustomer.getWaiter().msgHereIsCheck(CurrentCustomer.getCustomer(), ThisCheck);
            for (int i=0;i<Customers.size();i++) {
                if (Customers.get(i) == CurrentCustomer) {
                    Customers.remove(i);
                }
            }
            stateChanged();
        }
```