Data

List<CustomerAgent> waitingCustomers;

List<WaiterAgent> waiters;

Collection<Table> tables;

class Table {

CustomerAgent occupiedBy;

int tableNumber;

}

class MyWaiter {

WaiterAgent waiter;

int numTables;

}

Scheduler

If there exists w in waiters

And if there exists t in tables such that table is not occupied

and if there exists c in waitingCustomers

tellWaiterToSeatCustomer(waitingCustomers.get(0), table, waiters.get(WaiterWithMinTables);

Messages

msgIWantFood (CustomerAgent cust) {

waitingCustomers.add(cust);

}

msgTableIsFree(table) {

if there exists t in tables such that table = t then t.setUnoccupied();

}

Actions

tellWaiterToSeatCustomer(CustomerAgent c, Table t, WaiterAgent waiter)

{

waiter.msgSitAtTable(c, table);

table.setOccupant(c);

waitingCustomers.remove(c);

}