```
Tam Henry Le Nguyen
Tresday Thursday
11:00-12:30
WAITER AGENT DESIGN DOCUMENT UZ. 1
* THIS IS IN ADDITION TO THE OLD DESIGN DOCUMENT
 Semaphore at Cashier;
                                                                                                  618425255
  Semaphore receiving Check;
                                                              Want ToGo OnBreak()
                                                              & state = wanter State want To Good Break;
  Timer telextimer; U
 waiter State
 E Working, Want To Go On Break, Asked Host, Cannot Go On Break,
                                                                Want To Go Off Break!)
   On Way To Break, In Breakhoom, Relaxing, Want To Go Off Brook 3
                                                                 state = Want To Go Off Break;
  boolean onBreak;
  boolean requesting Break;
                                                             Allowed On Break (boolean answer)
  Customer State
                                                                E it (answer) shoppingsreak;
  2 Out of Order, Asked For Check, Getting Check,
Waiting For Check, CheckBeceived, Given Check To
Customers
                                                                  else state = Cannot Go On Break, 3
                                                             CaplGetMyChick(Customer c)
                                                                  for (ny customers mc: Ny Eustenars)

" of (mc.c==c)

mc. State = Asked For Cheek;
                                                            Cytoffood (int table, String food)
                                                                find mayorstomer with table & food
                                                                     mc!state = Outo Forder
                                                            This Is The Check Constance c, Check ch!
                                                                2 Find myeustomer that is that customer
                                                                       mc. Check = Chi
mc. State = Checklecaied;
                                                             MESSAGES
                                             DATA
                                                           ACTIONS
                                         SCHEDULER
                                                             AskHost ()
   if (state == Want To Go On Break && my Customers is emply)
                                                                                                    relaxes
                                                                E state = AskedHost.
       Ask Host();
                                                                                                      state : Relaxing;
                                                                  host. Can I Go On Break Cthis);
   1 f (state = InBreak Room)
                                                                                                        relaxtimer
        relax();
                                                                state = working;
veguesting Break = false;
on Break = false;
   , f State = Gannot Go On Break)
       Tell Hosty,
                                                                  warter GoToFron +Desk!);
   A f (state = Want To GOFF Break)
                                                                host. BackTowerk(),
        TellHost();
    if (state = Onway To Break)
                                                            Reject Custoner Order (my Customer ne)
        · GoOnBreak ();
                                                               DoGotofookfi;
                                                                mc.state = Seated;
 ter (my Customer mc: My Customers)
                                                           Retrieve Check (my Custamer, mc)
        if (mc, state = OutOfOrder)
            RejectCustomer Order (mc);
                                                               2 Doboto (ashiers);
                                                                cashier. Give mechacil mc. choice, mc. of this).
         if (mc. state = Asked For Check)
            12 tria Sheck (mc);
                                                                Mc, state = Getting Check;
         , f (mc state = CheckPecerved)
                                                            Deliver Check (my Customer mc)
                                                                EDOGOTOTOBLE(nc.c);
            Deliver Check();
                                                                  mc.c. Herels Yar Check Care check);
```