

Scheduler

If  $s \neq \text{waitingInRestaurant}$  and  $\text{event} = \text{fullOrWaiting}$   $\{$

$\{ \text{sitDown}() \}$

If  $s$  is  $\text{none}$  and  $\text{event} = \text{gotHungry}$   $\{$

$\{ \text{goToRestaurant}() \}$

$\{ \text{waitingInRestaurant}() \}$

If  $s = \text{seated}$  and  $\text{event} = \text{order}$   $\{$

$\{ \text{giveOrder}() \}$

$\{ s = \text{ordered} \}$

If  $s$  is  $\text{seated}$  and  $e = \text{receivedFood}$   $\{$

$\{ \text{eatFood}() \}$

$\{ s = \text{eating} \}$

If  $s = \text{eating}$  and  $e = \text{finished}$   $\{$

$\{ \text{DoneEating}() \}$

$\{ s = \text{leaving} \}$

Actions

$\text{sitDown}() \{$

$\{ \text{DoGoToSeat}(\text{table}, \text{table}) \}$

$\{ \text{GoToRestaurant}() \}$

$\{ \text{hostingIwantToEat}(\text{this}) \}$

$\{ \text{leave}() \}$

$\{ \text{choice else decide}() \}$

$\{ \text{waiting} \}$  Here is my choice (ch, this)  $\{$

$\{ \text{eatFood}() \}$

$\{ \text{doEatFood}(\text{choice}) \}$

$\{ \text{DoneEating}() \}$

$\{ \text{myWaiter} \}$  my DoneEating and leaving (this)  $\{$

$\{ \text{DoneRestaurant}() \}$