MARKET DESIGN DOCUMENT

Map (String, Food > Food Inventry = new Map; Timer Delivering Timer = new Timer; Cook Agent cook; String name; ReliveryStorte & Deques - Received, Processing, Ready To Deliver, Delivered; boolean Deliver = fake; class Delivery E String Food; int wanted Amount; Int Possible Amount; State = Request Recorded; Deliver(String f, int Q); class Food String name; Food (String f, int I) Use Food O Inventory --; List (Delivery > Deliveries; int delivering line;

Tom Henry Le Nguen Tuesday Thursday 11:00-12:30pm 6154285255

NeedMare Cstring food, int quantity)

E Deliveries add New Delivery (food, quantity);

3

DATA

SCHEDULEIZ

for (Delivery D: Deliverie)

If (D. State = : RequestReceived)

Process Item(D);

Some of the processing & Deliver)

Deliver Item(D);

MESSAGES

ACTIONS

Process Hem (Delivery D)

Enstate = Processing
For (int 1 = 0, i < D. Wanted Amount, 1++)

E Food Inventory get (D. Food) (Use Food);

D. Possible Amount ++;

I'f (Food Inventory get (D. Food) (Inventory = 0)

E break;

Sovered;

Cook ... we can supply (D. food, D. possible amount);

Delivering Timer . schedule

run

E Deliver = true;

Deliver = false;

D. State = Delivered;

Cook deliver Food (D. food, D. Possible Amount);