

COOK AGENT DESIGN DOCUMENT V2.1 IN ADDITION TO OTHER DESIGN DOCUMENT

```
List <Market> markets;  
int currentMarket++;  
state  
{Ordering};
```

Tam Henry Le Nguyen
Tuesday Thursday
11:00-12:20

```
WeCanSupply(String food, int quantity)  
{  
    if (quantity < FoodInventory.get(food).Ordersize)  
    {  
        state = Ordering;  
    }  
    else  
    {  
        FoodInventory.get(food).isLow = false;  
    }  
}
```

```
Deliver Food (food, quantity)  
{  
    FoodInventory.get(food).amount += quantity;  
}
```

DATA SCHEDULER

```
if (state = Ordering)  
{  
    currentMarket++  
    if (currentMarket == 3)  
        currentMarket = 0;  
    if (Steak.isLow)  
        Order Food ("Steak");  
    if (FoodInventory.get("Chicken").isLow)  
        Order Food ("Chicken");  
    if (FoodInventory.get("Pizza").isLow)  
        Order Food ("Pizza");  
    if (FoodInventory.get("Salad").isLow)  
        Order Food ("Salad");  
}
```

MESSAGES ACTIONS

```
Order Food (string food item)  
{  
    market = get (currentMarket).needMore  
    (food item, FoodInventory.get(food item).order  
    size);  
}
```