

Kartik Chillakanti
CS 201
v 2.1

MARKET AGENT

Data

CookAgent cook;

```
class MyFood {  
    String type;  
    Int amount;  
}
```

Map<String, Integer> inventory;

MyFood order;
boolean busy = false;

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Scheduler

```
if (busy) {  
    completeOrder();  
}
```

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Messages

```
msgHereIsMarketOrder (String type, int amt) {  
    if (!busy) {  
        order = new MyFood(type, amt);  
        busy = true;  
    }  
    else if (busy) {  
        cook.msgOrderUnfulfilled();  
    }  
}
```

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Actions

```
completeOrder() {  
    if (order.amout < inventory.get(order.type)) {  
        timer.start();  
        cook.msgOrderFulfilled(order.type, order.amount)  
        cook.msgOrderFulFilled(order)  
    }  
    else {  
        cook.msgOrderUnfulfilled();  
    }  
}
```