#### <u>Data</u>

```
enum state {pending, cooking, done, sent};
class CookOrder {
      WaiterAgent waiter;
      String choice;
      int table;
      State state;
}
class Food {
      string choice;
      int cookingTime;
      boolean orderPending = false;
List<CookOrder> orders;
List<MarketAgent>markets;
Timer timer;
Map (String choice, Food f) foodMap;
Int marketNum = 0;
```

# <u>Scheduler</u>

### <u>Messages</u>

#### <u>Actions</u>

```
CookIt(Order o){
      timer.start() // create a TimerTask and override run function
       o.state = done;
}
PlateIt(Order o){
      o.w.OrderIsReady(choice, table);
      orders.remove(o);
}
private void orderFromMarket(String type) {
      markets.get(marketNum).msgHereIsMarketOrder(type, 5);
}
public void addMarkets(List<MarketAgent> markets) {
      this.markets = markets;
}
public void drainInventory() {
      for (each food in foodMap) {
             food.amount = 0;
      }
}
```