

Online Supermarket Exercise

Premise

1. At our online supermarket, orders are accepted via **website only**
(no customers in the store)
2. **An online order includes:**
 - a. A collection of lines (product_id, quantity)
 - b. Customer's delivery details
 - c. Delivery time frame
3. There's a given **number of employees** in the supermarket at each time
 - a. They can handle a single task at a time
 - b. Assume a task takes a fixed amount of time
4. **A delivery courier** can be scheduled from a 3rd-party delivery company
5. **New stock** arrives at our supermarket on a daily basis and requires workers to unpack and stow the items on shelves.

Requirements

Suggest a design for the component in charge of receiving the orders.

This component can either accept an order or reject it.

Guidelines

- Demonstrate the flow of an order until an accept/reject decision.
- What are the other components you want to have in the system?
What is the responsibility of every component?

