

Name : Muhammad Ishraf Shafiq Zainuddin

ID : 200342741

File : Assumptions

# **The Amazion Warehouse Manager System**

## **Use Case**

**Use Case Name:** Inventory Manager

**Summary:** Inventory in the warehouse being managed by Warehouse Manager System.

**Actor:** Amazion customer

**Precondition:** Amazion is idle, with stocked inventory

**Description:**

1. Amazion ordering system notifies warehouse.
2. Inventory management system checks the requested item availability.
3. Inventory management system adds the items and its location in the warehouse to shipping list that contains the customer's address.
4. Inventory management system removes the item from the inventory and send the list of items to a shipping robot.
5. Shipping robot retrieves the physical items in the warehouse.
6. Shipping robot packages the item in a box.

7. Shipping robot labels the box with shipping label and customer's address.
8. Shipping robot sends the box to mail truck loading dock.
9. Inventory management system send the shipping list to Amazon financial system.
10. Financial system invoices the customer for all the items that have shipped.

**Alternative:**

1. Mail trucks bring returns to the warehouse.
2. Returns have to go through a manual inspection before being accepted.
3. The returns are entered in the warehouse with a specific barcode if accepted.
4. A refund request is sent to the main Amazon financial system.
5. The return is shipped back to the customer if rejected.