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COMP-3220-1

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## Object-Oriented Software Analysis and Design Assignment-1

### Task 1:

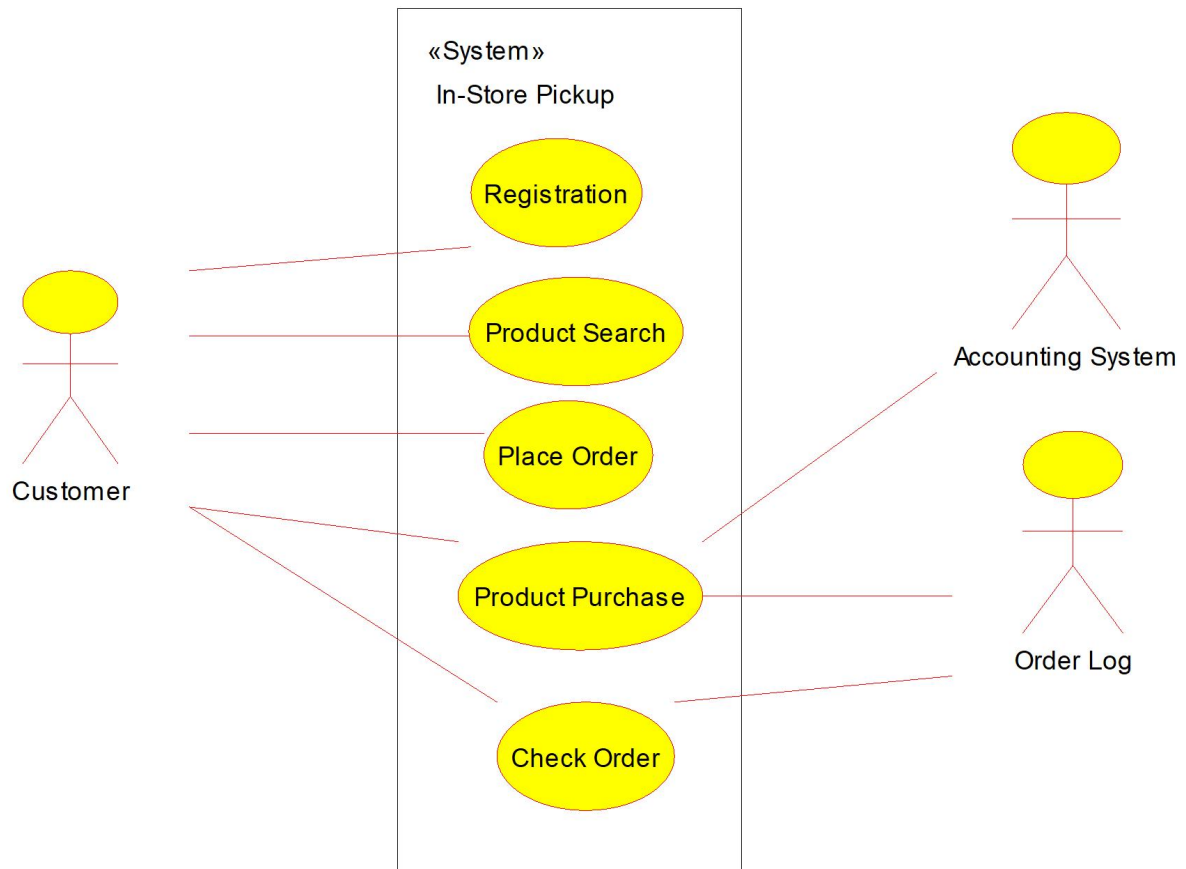
#### Actors:

- The Customer
- The Accounting System
  - Calculates the total and charges the customer
- The Order Log
  - Logs all past and current orders and users may check their order

#### Use Cases:

- Registration
  - A customer registers for the online system by providing Username(Email), a password, an address, and phone number. Credit card credentials must also be added at this step to be able to purchase.
- Product Search
  - A registered customer may search, browse and add items to their cart, and provide a specified quantity. The Customer may only select a quantity within the available quantity.
- Place Order
  - After the order has been collected the customer must specify a pickup time with a minimum of 24 hours and place the order. The place order is then forwarded to the order processing system and a confirmation email is sent to the customer.
- Process an Order
  - order is obtained and processed by this system. All items are collected and prepared for pick up. If the quantity requested is not available, then the remaining quantity available will be processed or the product will be omitted completely. The order information is then sent to the accounting system
- Check Order
  - A user may check their order within the order log.

## Task 2:



## Task 3:

- Process an Order
  - Main Success Scenario: The order is obtained and processed by this system. All items are collected and prepared for pick up. The order information is then sent to the accounting system
  - Alternate Scenarios: If the quantity requested is not available then the remaining quantity available will be processed or the product will be omitted completely. The order information is then sent to the accounting system

Task 4:

### **Use Case 1: Process an Order**

**Scope:** In-Store Pickup System

**Level:** User-goal

**Primary Actor:** Customer

**Stakeholders and Interests:**

- Customer: A faster, more efficient and convenient way to shop
- Business Owners: A way to reach out to customer and provide a more fluid and personal shopping experience, as well as speed up the process.

**Preconditions:** An order must be compiled, and a pickup time must be confirmed before the order is submitted for processing

**Success Guarantees:** The order collected in full, the report is sent to the accounting system and the order system and then processed for pickup

**Main Success Scenario:** The order is collected in full and the information is provided to the accounting and ordering systems

**Extensions:**

1. The remaining quantity in inventory is collected and sent to the next system
2. The product is completely removed from the inventory

**Special Requirements:** None

## Task 5:

