**Use Case Document**

**Use Case:** Online Shopping Center

**Author:** Coleman Likes

**Summary:**

There are three primary actors. The Customer, Payment System, and the Supplier. The customer can make manage orders on the system by purchasing or returning items. The payment system processes the items for purchase or return to the customer. The supplier manages the inventory and checks if the item is in stock for purchase and if the item has been returned successfully.

**Primary Actors:**

Customer, Payment System, Supplier

**Preconditions:**

1. Customer has selected an item for purchase
2. Customer has logged in successfully.
3. Payment has been completed successfully.

**Triggers:**

After the customer has successfully made a purchase after logging in, the item is processed and is then sent to the customer’s address. Upon returning an item, the item is processed for return through the payment system and the inventory is updated.

**Main Success Scenarios:**

1. The customer can login to add items to cart for future purchase.
2. The customer has selected one or more items in cart.
3. The customer has purchased an item by using a valid credit/debit card.
4. The customer has a valid shipping address.
5. The item is delivered to the user.

**Alternative Scenario 1:**

1. The customer has an invalid username or password and is unable to login.

**Alternative Scenario 2:**

1. The customer has an invalid credit/debit card, or if it is expired.

**Success Post Conditions:**

After a successful purchase, the order is set out for delivery to the customer’s address. If the customer returns an item, the supplier registers when the item is returned to the factory.

**Fail Conditions:**

If the customer has invalid credentials or tries to use an expired credit/debit card, the customer will be notified on the website with a popup message.

**Business Rules:**

1. Verify customer login
2. Verify customer purchase is valid
3. Notify customer of delivery date and when item has arrived.