

# Hypothetical Shopping Cart Use Case Document

## Introduction:

This Use Case has been developed for the company's system for ordering material based on the system's database and the user's input in placing items into their online shopping cart, either a new cart or existing one from a logged in account, and proceeding to purchase the items. It will help manage a customer's shopping and manage the inventory in the database. The administrator will have access to the user's account in case of necessary changes such as cart items that may no longer be available before purchase, or the change of login credentials. This system will help improve inventory efficiency and the user's overall shopping experience.

Name of Use Case: MVC Calculator			
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Description:	Website user creates a shopping cart with items from the inventory and send in an order to the server.		
Actors:	User, Administrator, Server Database		
Preconditions:	<div>1. User has valid purchasing information</div> <div>2. No changes in the inventory have been made prior to purchase</div> <div>3. Item is available in database inventory</div>		
Postconditions:	<div>1. Company receives funds for purchase</div> <div>2. Inventory in database reduced by items ordered</div> <div>3. User receives items in designated timeframe</div>		
Flow:	<div>1. Company identifies items being order</div> <div>2. Appropriate Funds are confirmed from User</div> <div>3. Order is Processed and item removed from Inventory</div> <div>4. Submits shipping order and attaches to item</div> <div>5. User receives receipt</div> <div>6. User receives ordered item</div>		
Alternative Flows:	<div>3. In step 3 of normal flow, if items are ordered consecutively and item is out of stock, but not seen by User prior to purchase</div> <div>1. User given option to be placed on waiting list, or receive refund</div> <div>2. Company provides updates and estimated timeframe of restock</div> <div>3. Once item arrives and User has opted to wait, flow resumes at Step 4.</div>		
Exceptions:	<div>5. In step 5 of normal flow, if User is to request a cancelation after item has shipped</div> <div>1. Company grants refund with attached cancellation fee for shipping prices</div> <div>2. If flow reaches step 6 and the user receives item, they will not receive a refund and returning the package for a refund becomes User’s responsibility</div>		
Requirements:	<div>1. Funding must be verified before any order is processed or items removed from the database</div> <div>2. All orders must comply with company guidelines and procedures</div>		