

No.	Requirement descriptions in Web Store
	<p><b>Product Features:</b></p> <p>Account Management (AM) (High Priority): AM allows users to create, edit, and view accounts information. It also allows the user to login/out of the system.</p> <p>Search Engine (SE) (Medium Priority): SE is the tool that assists the user in finding a specific item in the database. It can receive search criteria, find search criteria, and return the results of the search.</p> <p>1 Product Management (PM) (High Priority): PM allows sales personnel to manage the product line shown on the web site.</p> <p>Shopping Cart (SC) (Medium Priority): SC is temporary storage for customers shopping on the web. Items from the inventory can be reserved in a virtual cart until the customer decides to purchase them.</p> <p>Purchasing and Payment (PP) (High Priority): PP is used to approve and transfer payment from buyers when purchasing items in the cart.</p> <p><b>User Classes:</b></p> <p>System Administrator: Is generally the owner that takes care of maintenance for the Web Store system. The administrator will be in charge of assigning privileges of accounts. Suggested more than one individual can have administrator privilege to ensure advisability. Full documentation will be provided to the Administrator to assist with this process.</p> <p>2 Sales Personnel: Is generally the owner of the Web Store tasked with updating inventory and product line descriptions. Once added, sales personnel can add, delete and change descriptions, pictures, prices, and when ready flag items for customers to buy.</p> <p>Customer: A customer is an individual wishing to purchase inventory from GAMMA-J's Web Store. The Web store will have a variety of clientele depending upon the inventory loaded on the Key. When creating a new account on Web Store it will default as a customer account. Later if the account needs to be upgraded the administrator can accomplish this via the administrator interface.</p> <p>3 <b>Customer Accounts:</b> Customers will be able to create accounts to store their customer profiles, configure contact information, view their purchase history, and confirm orders. Customers will be able to register, log in, and log out of their accounts. Furthermore, Customer profiles will also include payment information, such as the ability to store credit card information, and address information.</p> <p>4 <b>Inventory Management:</b> Products will be stored in multi-tiered categories; a category can contain sub categories or products. The inventory management will allow for administrators to update the categories, the products placed in categories, and the specific product details.</p> <p>5 <b>Shopping Cart:</b> Customers will also be able to add products into the shopping cart. The shopping cart will clearly display the number of items in the cart, along with the total cost. The customer will also be able to add to or remove products from the shopping cart prior to checkout and order confirmation.</p> <p>6 <b>Order Confirmation:</b> Customers will be able to confirm the order after checkout. If the order is incorrect, the customer will be able to revise and update their order. The customer will then receive a confirmation email with the specific order details.</p> <p>7 <b>Interface:</b> Customers will be presented with an unambiguous interface to assist in browsing the categories and products. Customers will be able to search for products matching their search criteria. The interface will be compatible with all major web browsers such as Internet Explorer, Mozilla Navigator, Mozilla Firefox, Opera, and Safari.</p>

<b>Use Case ID</b>	01(Register Customer)
<b>Intent</b>	Customer registers a new customer account with the system.
<b>Role</b>	Customer
<b>Pre-conditions</b>	Customer must provide necessary registration information.
<b>Post-conditions</b>	The Customer registers and creates a new customer account with the system.
<b>Basic Flow</b>	
1. Customer fills out his/her first name, last name, billing address, credit card information, shipping address, email address, and their password. 2. System validates the customer's information. 3. System creates a new account for the Customer. 4. System saves the account. 5. System displays an account information to Customer.	
<b>Alternative Flow(s):</b>	

2a. registration information is incomplete: 2a1. Customer refills.
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<b>Use Case ID</b>	02(Login Customer)
<b>Intent</b>	Customer logs in to a customer account with the system.
<b>Role</b>	Customer
<b>Pre-conditions</b>	Customer account must already be registered.
<b>Post-conditions</b>	The Customer is logged into the system.
<b>Basic Flow</b>	
1. Customer fills out his/her email and password. 2. System verifies the information. 3. System displays the account information to Customer.	
<b>Alternative Flow(s):</b>	
2a. Customer enters incorrect login information: 2a1. Customer refills. 2b. Customer forgets password: 2b1. System sends an email to the registered email address. 2b2. Customer resets password. 2b3. Go to Step 1 (Basic Flow).	

<b>Use Case ID</b>	03(Edit Customer Details)
<b>Intent</b>	Customer edits the customer account details.
<b>Role</b>	Customer
<b>Pre-conditions</b>	Customer must be logged-in on the system.
<b>Post-conditions</b>	The Customer has changed the account details.
<b>Basic Flow</b>	
1. Customer edits the account details. 2. System verifies the changes. 3. System saves new account information.	
<b>Alternative Flow(s):</b>	
2a. Customer enters incorrect information: 2a1. Customer refills.	

<b>Use Case ID</b>	04(Logout Customer)
<b>Intent</b>	Customer logouts the customer account on the system.
<b>Role</b>	Customer
<b>Pre-conditions</b>	Customer must be logged-in on the system.
<b>Post-conditions</b>	The Customer is logged out of the system.
<b>Basic Flow</b>	
1. Customer performs a logout operation. 2. System displays logged out information.	
<b>Alternative Flow(s):</b>	

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<b>Use Case ID</b>	05(Add Item To Cart)
<b>Intent</b>	Customer adds item(s) in the shopping cart
<b>Role</b>	Customer
<b>Pre-conditions</b>	Customer must be logged-in on the system.
<b>Post-conditions</b>	The Customer has added item(s) to the shopping cart.
<b>Basic Flow</b>	
1. Customer adds the item(s) to the shopping cart. 2. System displays the number of items in the shopping cart, along with the total cost. 3. Customer edits the quantity or remove items from the shopping cart. 4. System saves the shopping cart.	
<b>Alternative Flow(s):</b>	
1a. The product is out of stock: 1a1. The system displays an error message.	

<b>Use Case ID</b>	06(Checkout An Order)
<b>Intent</b>	Customer checkouts and confirms an order.
<b>Role</b>	Customer
<b>Pre-conditions</b>	Customer must be logged-in on the system. Customer must have item(s) in the shopping cart.
<b>Post-conditions</b>	The Customer has confirmed the order.
<b>Basic Flow</b>	
1. System calculates the items in the shopping cart. 2. System presents the customer with the account details and payment methods. 3. Customer confirms account details and payment methods. 4. Customer checks out the order. 5. Customer confirms order. 6. System saves order confirmation and order details. 7. System sends email confirmation to Customer.	
<b>Alternative Flow(s):</b>	
1a. The product is out of stock. 1a1. The system displays an error message. 4a. Payment fails. 4a1. Customer retries the payment or changes payment methods. 4b. The order is overdue. 4b1. The system displays a notification that the order is no longer allowed. 4b2. Go to Step 1 (Basic Flow). 5a. The order is incorrect. 5a1. Customer modifies the order. 7a. E-mail delivery failure. 7a1. The system displays an error message and prompts the customer to check their email.	

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<b>Use Case ID</b>	07(Login Administrator)
<b>Intent</b>	Administrator logs in to an Administrator account with the system.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	Administrator account must already be registered.
<b>Post-conditions</b>	The Administrator is logged into the system.
<b>Basic Flow</b>	
1. Administrator fills out his/her email and password. 2. System verifies the information. 3. System displays the account information to Administrator.	
<b>Alternative Flow(s):</b>	
2a. Administrator enters incorrect login information: 2a1. Administrator refills. 2b. Administrator forgets his/her password: 2b1. System sends an email to the registered email address. 2b2. Administrator resets password. 2b3. Go to Step 1 (Basic Flow).	

<b>Use Case ID</b>	08(Logout Administrator)
<b>Intent</b>	Administrator logs out the Administrator account on the system.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	Administrator must be logged-in on the system.
<b>Post-conditions</b>	The Administrator is logged out of the system.
<b>Basic Flow</b>	
1. Administrator performs a logout operation. 2. System displays logged out information.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	09(Add User)
<b>Intent</b>	Administrator registers a new customer, sales person, or administrator account with the system.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	A new User account is created within the system.
<b>Basic Flow</b>	
1. Administrator fills out first name, last name, username, email address, password, and privileges of the user. 2. System validates new user information.	

3. System creates a new account for the new user with desired privileges.
4. System displays an account information to Administrator.
<b>Alternative Flow(s):</b>
2a. registration information is incomplete: 2a1. Administrator refills.

<b>Use Case ID</b>	10(Remove User)
<b>Intent</b>	Administrator removes a user from the system.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	An account has been deleted within the system.
<b>Basic Flow</b>	
1. Administrator searches a user. 2. Administrator selects a user. 3. System displays user information. 4. System confirms deletion of selected user.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	11(Change User Properties)
<b>Intent</b>	Administrator alters properties such as passwords and privileges of the user.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	An account has been altered within the system.
<b>Basic Flow</b>	
1. Administrator searches a user. 2. Administrator selects a user. 3. System displays user information. 4. Administrator changes the user properties.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	12(Install Plug-ins)
<b>Intent</b>	Administrator installs a new plug-in to the application.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	A new plug-in is installed in the application.
<b>Basic Flow</b>	
1. Administrator uploads the Plug-in module. 2. System installs plug-in and validates changes. 3. System displays plug-in options to the Administrator.	

<b>Alternative Flow(s):</b>

<b>Use Case ID</b>	13(Remove Plug-ins)
<b>Intent</b>	Administrator removes a plug-in from the application.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	A plug-in is removed from the application.
<b>Basic Flow</b>	
1. Administrator selects the desired Plug-in module. 2. System removes plug-in and validates changes.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	14(Manage Plug-in Options)
<b>Intent</b>	Administrator makes changes to an installed plug-in.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	A plug-in's options have successfully been changed.
<b>Basic Flow</b>	
1. Administrator selects the desired Plug-in module. 2. System confirms changes with the Administrator.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	15(Install patch process)
<b>Intent</b>	Administrator installs patches or software updates to the web store.
<b>Role</b>	Administrator
<b>Pre-conditions</b>	
<b>Post-conditions</b>	The web store was successfully updated.
<b>Basic Flow</b>	
1. Administrator uploads the patch. 2. System automatically installs patches and reinitializes software. 3. System confirms that patch has been successfully installed.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	16(Login Sales Person)
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<b>Intent</b>	Sales Person logs in to a Sales Person account with the system.
<b>Role</b>	Sales Person
<b>Pre-conditions</b>	Sales Person account must already be registered.
<b>Post-conditions</b>	The Sales Person is logged into the system.
<b>Basic Flow</b>	
1. Sales Person fills out his/her email account and password. 2. System verifies the information. 3. System displays the account information to Sales Person.	
<b>Alternative Flow(s):</b>	
2a. Sales Person enters incorrect login information: 2a1. Sales Person refills. 2b. Sales Person forgets his/her password: 2b1. System sends an email to the registered email address. 2b2. Sales Person resets password. 2b3. Go to Step 1 (Basic Flow).	

<b>Use Case ID</b>	17(Login Sales Person)
<b>Intent</b>	Sales Person logouts the Sales Person account on the system.
<b>Role</b>	Sales Person
<b>Pre-conditions</b>	Sales Person must be logged-in on the system.
<b>Post-conditions</b>	The Sales Person is logged out of the system.
<b>Basic Flow</b>	
1. Sales Person performs a logout operation. 2. System displays logged out information.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	18(Add Product)
<b>Intent</b>	Sales Person adds a product to the system.
<b>Role</b>	Sales Person
<b>Pre-conditions</b>	Sales Person must be logged-in on the system.
<b>Post-conditions</b>	A new product is created within the system.
<b>Basic Flow</b>	
1. Sales Person fills out product name, product id, product description, product price, upload a product image, number of items in inventory, and availability of product. 2. System validates the new product information. 3. System creates a new product page. 4. System displays the newly created product page.	
<b>Alternative Flow(s):</b>	
2a. The product information is incorrect: 2a1. Sales Person refills.	

<b>Use Case ID</b>	19(Remove Product)
<b>Intent</b>	Sales Person removes a product from the system.
<b>Role</b>	Sales Person
<b>Pre-conditions</b>	Sales Person must be logged-in on the system.
<b>Post-conditions</b>	A product is deleted from the system.
<b>Basic Flow</b>	
1. Sales Person searches a product. 2. Sales Person selects a product. 3. System displays the product information. 4. System removes the product information from the database. 5. System removes the product page.	
<b>Alternative Flow(s):</b>	

<b>Use Case ID</b>	20(Update Product)
<b>Intent</b>	Sales Person updates product attributes within the system.
<b>Role</b>	Sales Person
<b>Pre-conditions</b>	Sales Person must be logged-in on the system.
<b>Post-conditions</b>	The product attributes have been updated.
<b>Basic Flow</b>	
1. Sales Person searches a product. 2. Sales Person selects a product. 3. System displays the editable product attributes, including the product name, product id, product description, product price, update the product image, product availability, and/or the number of items in the inventory. 4. System validates the product attributes. 5. System updates the product attributes. 6. System displays the updated product page.	
<b>Alternative Flow(s):</b>	
4a. The product attributes are incorrect: 4a1. Sales Person refills.	