Raw requirement descriptions in dataset Web Store

No.	Requirement descriptions in Web Store
1	**Product Features:** 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. 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. Product Management (PM) (High Priority): PM allows sales personnel to manage the product line shown on the web site. 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. Purchasing and Payment (PP) (High Priority): PP is used to approve and transfer payment from buyers when purchasing items in the cart.
2	**User Classes:** 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. 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. 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.
3	**Customer Accounts:** 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.
4	**Inventory Management:** 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.
5	**Shopping Cart:** 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.
6	**Order Confirmation:** 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.
7	**Interface:** 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.

The use cases designed by a requirement engineer without LLM assistance (Mid-level):

Use Case ID	01(Register Customer)
Intent	Customer creates an account of the Web Store system.
Role	Customer
Pre-conditions	Customer opens the website of the Web Store.
Post-conditions	Customer creates an account successfully.
Basic Flow	

1. Customer selects "register" from the webpage.	
2. A registration page appears with some information to fill out.	
3. Customer filled information and try to register.	
4. Account Management create a new Customer Account and display a successful registration page.	

Alternative Flow(s):

2a. No registration page pops up.

   2a1. Checking network status.

   2a2. Refresh the page and try again.

3a. Register fails because the username has been registered.

   3a1. Change the username and try again.

3b. Register fails because of incorrect registration information.

   3b1. Check and make sure all required information has been filled in as the required format.

Use Case ID	02(Login Customer)
Intent	Customer logs into the Web Store system.
Role	Customer
Pre-conditions	Customer has registered already.
Post-conditions	
Basic Flow	

1. Customer enters the registered username and its password and log in.

2. Account Management checks the username and password and lets the customer log in.

Alternative Flow(s):

2a. Fail to log in because the username or password is incorrect.

   2a1. Check the username to make sure the username is correct

   2a2. Retype the password and try again.

Use Case ID	03(Edit Customer Details)
Intent	Customer edits the details of his account.
Role	Customer
Pre-conditions	Customer has logged into system.
Post-conditions	Customer saves the edit successfully.
Basic Flow	

1. Customer selects the "Edit Details" from the menu.

2. Customer changes the details which need to be updated.

3. Account Management saves the edit information and Interface displays an edit successfully page.

Alternative Flow(s):

3a. Account Management cannot save the edit information.

   3a1. Customer check the information and make sure all the information is filled in as the required format.

Use Case ID	04(Logout Customer)

Intent	Customer logs out the Web Store system.
Role	Customer
Pre-conditions	Customer has logged into system.
Post-conditions	

Basic Flow
1. Customer selects "logout" from the menu.

Alternative Flow(s):
1a. Customer edits some details without saving, the system may prompt to save before log out.   1a1. Customer save details and log out.

Use Case ID	05(Find Item)
Intent	Customer finds a specific item in the Web Store.
Role	Customer
Pre-conditions	Customer has logged into system.
Post-conditions	Customer finds the item successfully.

Basic Flow
1. Customer enters the search criteria.
2. Search Engine receive search criteria, find search criteria, and return the results of the search.
3. Interface displays the results.
4. Customer reviews the results and finds the specific item.

Alternative Flow(s):
3a. Search Engine cannot find results and nothing to display.   3a1. Customer change the search criteria and try again.
4a. Customer cannot find the specific item through the results.   4a1. Customer change the search criteria and try again.

Use Case ID	06(Add Item To Cart)
Intent	Customer adds items to cart.
Role	Customer
Pre-conditions	Customer has found a criteria item/product.
Post-conditions	Items is added to cart successfully.

Basic Flow
1. Customer chooses details of item/product.
2. Inventory Management checks and displays the inventory of the specific item/product of the details.
3. Customer chooses or enters the number of the items.
4. Customer adds items to cart.

Alternative Flow(s):
2a. There is no inventory of the specific item/product of the details.   2a1. Customers change the details of the item/product or find another item/product.
3a. The inventory is less than the number the customer wants.   3a1. Customer reduce the number of items or find other item/product.

4a. Shopping cart is full.

   4a1. Customer deletes some items in the cart and try again.

Use Case ID	07(Checkout An Order)
Intent	Customer orders and checkouts.
Role	Customer
Pre-conditions	Customer has chosen items in cart and placed an order.
Post-conditions	The order is paid successfully.
Basic Flow	

1. Customer types in or choose payment information and initiate a payment operation.

2. Purchasing and Payment approve and transfer payment from buyers.

3. Interface displays checkout successfully.

Alternative Flow(s):

2a. Purchasing and Payment cannot find the correct payment account.

   2a1. Customer check the payment account and retype or choose the right payment account.

   2a2. Customer reinitiates a payment operation.

2b. Purchasing and Payment finds the correct payment account, but the account balance is insufficient to cover the order.

   2b1. Customer transfers money into the payment account or changes/types another payment account.

   2b2. Customer reinitiates a payment operation.

Use Case ID	08(Login Administrator)
Intent	Administrator account logs in the Web Store system.
Role	Administrator
Pre-conditions	The current user has already registered the system.
Post-conditions	The user is logged into the system as an Administrator.
Basic Flow	

1. An existing Administrator user gives the current user the administrator privilege.

2. User logs in the system using the registered username and password.

3. User chooses the role of Administrator.

Alternative Flow(s):

Use Case ID	09(Logout Administrator)
Intent	Administrator account logs out the Web Store system.
Role	Administrator
Pre-conditions	The current user is logged into system as an Administrator.
Post-conditions	The administrator user is logged out.
Basic Flow	

1. Administrator user logs out the systems.

Alternative Flow(s):

Use Case ID	10(Add User)
Intent	Administrator adds user account in the Web Store system.
Role	Administrator
Pre-conditions	The administrator user is logged in the system.
Post-conditions	User is added into the system.
Basic Flow	

1. Administrator selects "Add User" from the menu, and input information of the new user.

2. Account Management creates a new account according to the information.

Alternative Flow(s):	

2a. Account Management return a failed result because the username is existed.

   2a1. Administrator user changes another username and try again.

Use Case ID	11(Remove User)
Intent	Administrator removes user account in the Web Store system.
Role	Administrator
Pre-conditions	The administrator user is logged in the system.
Post-conditions	User is removed from the system.
Basic Flow	

1. Administrator views the user list and finds the user that need to be removed.

2. Administrator removes the user account.

3. Account Management executes the removing operation and displays a successful result.

Alternative Flow(s):	

Use Case ID	12(Change User Properties)
Intent	Administrator changes a user's property.
Role	Administrator
Pre-conditions	Thers is a registered user account.
Post-conditions	The property of the user is changed.
Basic Flow	

1. Administrator views the user list and finds a user want to change.

2. Administrator changes the property of the user (Administrator, Sales, Customer).

3. Account Management executes the change operation.

Alternative Flow(s):	

Use Case ID	13(Install Plug-ins)
Intent	Administrator installs plug-ins into Web Store system.

Role	Administrator
Pre-conditions	Administrator is logged into the system.
Post-conditions	The plug-in is installed successfully.
Basic Flow	

1. Administrator finds a plug-in installation package.

2. Administrator installs the plug-in.

Alternative Flow(s):	

Use Case ID	14(Remove Plug-ins)
Intent	Administrator removes a plug-in from the Web Store system.
Role	Administrator
Pre-conditions	Administrator is logged into the system.
Post-conditions	The plug-in is removed successfully.
Basic Flow	

1. Administrator views the list of plug-ins and find the one need to be remove.

2. Administrator removes the plug-in.

Alternative Flow(s):	

Use Case ID	15(Manage Plug-in Options)
Intent	Administrator manages the plug-in options.
Role	Administrator
Pre-conditions	Administrator is logged into the system.
Post-conditions	The plug-ins are managed and saved successfully.
Basic Flow	

1. Administrator views the plug-in option list.

2. Administrator set the option of each plug-in.

3. Administrator saves the settings.

Alternative Flow(s):	

Use Case ID	16(Install patch process)
Intent	Administrator installs the patch.
Role	Administrator
Pre-conditions	Administrator is logged into the system.
Post-conditions	Patch is installed successfully.
Basic Flow	

1. Administrator executes the overall check of the system and find new patch.

2. Administrator chooses patches need to be installed.

3. Administrator installs patches into Web Store systems.	
4. Administrator restarts the system to let patches effective.	
Alternative Flow(s):	
4a. The system cannot be restarted before the patches are all installed.	
4a1. Administrator waits until all the patches are installed.	

Use Case ID	17(Login Sales Person)
Intent	Sales Person user logs into the Web Store system.
Role	Sales Person
Pre-conditions	User is registered into the system.
Post-conditions	User logs into the system as a Sales Person successfully.
Basic Flow	
1. Administrator changed the user's property to a Sales Person.	
2. User logs into the system using username and password as a Sales Person.	
Alternative Flow(s):	

Use Case ID	18(Logout Sales Person)
Intent	Sales Person user logs out the Web Store system.
Role	Sales Person
Pre-conditions	User is logged into systems as a Sales Person
Post-conditions	The Sales Person user is logged out.
Basic Flow	
1. User logs as a Sales Person logged out the system.	
Alternative Flow(s):	

Use Case ID	19(Add Product)
Intent	Sales Person add product into the system.
Role	Sales Person
Pre-conditions	Sales Person is logged into system.
Post-conditions	Product is added into system.
Basic Flow	
1. Sales Person selects "Add Product" from the menu.	
2. Sales Person types in details of the Product.	
3. Product Management executes the add product operation.	
4. Inventory Management adds the product's inventory.	
5. Interface displays a successful add message.	
Alternative Flow(s):	

Use Case ID	20(Remove Product)
Intent	Sales Person remove product from the system.
Role	Sales Person
Pre-conditions	Sales Person is logged into system.
Post-conditions	Product is removed from the system.
Basic Flow	

1. Sales Person views the list of products and chooses the products need to remove.

2. Sales Person selects "Remove Product" from the menu.

3. Interface displays confirmation information to let Sales Person confirm again.

4. Product Management executes the remove product operation.

5. Inventory Management delete the product's inventory.

6. Interface displays a successful add message.

Alternative Flow(s):

Use Case ID	21(Update Product)
Intent	Sales Person update product information in the system.
Role	Sales Person
Pre-conditions	Sales Person is logged into system.
Post-conditions	Product information is updated.
Basic Flow	

1. Sales Person views the list of products and chooses the products need to update.

2. Sales Person selects "Update Product" from the menu.

3. Sales Person update the information and inventory of the product, and save the change.

4. Product Management update the product information.

5. Inventory Management update the product's inventory.

Alternative Flow(s):