**SHOPPING CART FUNCTION**

1. **Introduction**      
The Cart Management function will provide users with the ability to add, modify, and delete products in their shopping cart on the Lazada application. This feature aims to improve the online shopping experience.

2. **Purpose**

This document details the functional and non-functional requirements for the Cart Management function.

3. **Scope**

The scope of this document is for the Cart Management function in the Lazada application, including operations such as adding products, updating quantities, deleting products, and viewing the total cart value.

4. **Definitions, Abbreviations, and Symbols**

* Shopping Cart: The place where products that users want to purchase are stored.
* SP: Product.

A diagram of a product

Description automatically generated5. **Relationship Diagram:**

6. **Overview**

6.1 **Use Case Diagram**

The following use cases should be included in the Cart Management function:

| **UC Name** | **Description** |
| --- | --- |
| UC001 Add Product | Allows users to add products to the cart |
| UC002 Update Quantity | Allows users to update the quantity of products |
| UC003 Delete Product | Allows users to remove products from the cart |
| UC004 View Cart | Allows users to view the list of products in the cart |
| UC005 Calculate Total Price | Calculates the total value of products in the cart |

7. **Functional Requirements**

7.1 **Add Product**

* Users can click the "Add to Cart" button on the product page.
* The product will be added to the cart with a default quantity of 1.
* A screenshot of a computer

  Description automatically generatedA notification will display "Product has been added to cart".

7.2 **Update Quantity**

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  Description automatically generatedUsers can change the quantity of products in the cart by entering a new quantity.
* The system will update the cart and display the message "Product quantity has been updated".

7.3 **Delete Product**

* Users can click the "Delete" button next to the product in the cart.
* The system will request confirmation before deleting.
* A screenshot of a social media account

  Description automatically generatedAfter confirmation, the product will be removed from the cart and the message "Product has been removed from cart" will be displayed.

A screenshot of a computer

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7.4 **View Cart**

* Users can access the cart by clicking the cart icon in the navigation bar.
* A screenshot of a website

  Description automatically generatedThe cart screen will display a list of products, quantities, pricer per product, and total cart value.

7.5 **Calculate Total Price**

* The system will automatically calculate the total value of products in the cart based on the quantity and price of each product.
* The total price will be updated whenever there's a change in the cart.

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8. **Non-Functional Requirements**

* **Performance**: Operations to add, update, and delete products in the cart must be completed within 2 seconds.
* **Security**: User cart data must be encrypted and protected from unauthorized access.
* **Usability**: The user interface must be friendly, easy to use, and clear.

9. **Conclusion**

The Cart Management function will enhance the online shopping experience on Lazada, allowing users to easily manage the products they want to purchase.