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| **Use Case “CRUD product in Cart”**   1. **Use case code**   UC00X   1. **Brief Description**   This use case describes the interaction between customer and AIMS when customer wish(es) to CRUD product in cart   1. **Actors**    1. **Customer** 2. **Preconditions**   Customer successfully views list of products on the home screen.   1. **Basic Flow of Events**    1. **Add product to cart**   1. The customer selects a product and the quantity they want to purchase.  2. The customer requests to add the product to cart.  3. AIMS displays a notification that the product has been successfully added.   * 1. **View product in cart**   1. The customer requests to view the shopping cart.  2. AIMS displays a list of products in the shopping cart.  3. AIMS displays the total amount for the products. (see Table A)   * 1. **Delete product in cart**  1. The customer views products in cart 2. The customer delete products from cart   3. AIMS displays list of products after delete.  4. AIMS updates and displays the total amount for the products. (see Table A)   * 1. **Update product in cart**   1. The customer views products in cart.  2. The customer updates the products’ quantity.  3. AIMS updates and displays the total amount for the products. (see Table A)   1. **Alternative flows**   Table 1-Alternative flows of events for Add product to cart   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 2 | The quantity added to the cart exceeds the quantity in stock | * AIMS displays error message: The number of products in stock is not enough | Resumes at Step 1 |   Table 2-Alternative flows of events for Update product in cart   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 2 | The updated quantity exceeds the quantity in stock | * AIMS displays error message: The number of products in stock is not enough | Resumes at Step 1 |  1. **Input data** 2. **Output data**   Table A-Output data of View products in cart   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | |  | Image | Image of product’s cover | Image |  | |  | Title | Title of product | Text | Harry Potter | |  | Quantity | Quantity of product | - Positive integer  - Right alignment | 10 | |  | Price | Price of product | - Comma for thousands  Separator  - Positive integer  - Right alignment | 100.000 vnd | |  | Subtotal | Total price of products in the cart before VAT | 100.000 vnd | |  | VAT | Value Added Tax | 10.000 vnd | |  | Amount | Total price of products in the cart after VAT | 110.000 vnd |  1. **Postconditions** 2. **Activity Diagrams**    1. **Add product to cart**      * 1. **View product in cart**      * 1. **Delete product in cart**      * 1. **Update product in cart** |