**Use Case Description/Specification viết theo style tuyến tính**

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| **Use Case Specification** | | | |
| **Use Case ID and Name:** | **SALES.MGT.01 – Create an order** | | |
| **Created By:** | **Ngo Huynh Tan Loc** | **Date Created:** | **Nov-24, 2023** |
| **Primary Actor:** | **Cashier** | **Secondary Actors:** |  |
| **Trigger:** | **A cashier indicates that he/she wants to create an order upon receiving a customer’s request to make a purchase.** | | |
| **Description:** | **The “create an order” use case represents the process performed by the cashier to create a new order for a customer at a supermarket/convenience store. The cashier uses a barcode reader to scan sold products. The cashier then handles the payment, either via cash or wallet/card, and finalizes the order.** | | |
| **Preconditions:** | **PRE-1: The barcode reader is connected and functioning correctly.**  **PRE-2: The card-reader/payment gateway device is connected and functioning correctly.**  **PRE-3: The cashier is logged into the system (appropriate authorization).** | | |
| **Post–conditions:** | **POST-1: The order is successfully created and stored in the system.**  **POST-2: The membership information is updated to reflect the customer purchase.**  **POST-3: The inventor is updated to reflect the products purchased.** | | |
| **Normal Flow:** | 1. **The cashier initiates the “Create an order” use case by selecting the menu “Create new order” on the system.** 2. **The cashier asks the customer if he/she would like to record his/her purchase for membership benefits (by asking the customer’s phone number).** 3. **The system activates the barcode reader to allow scanning products. [see 1-AF]** 4. **The cashier scans each product’s barcode using the barcode reader. [see 1-AF]** 5. **For each scanned product, the system identifies the product details: id, name, price, quantity, promotion (if any) and adds the item into the order.** 6. **The system calculates the total order amount.** 7. **After scanning all the desired products, the cashier asks the customer for the preferred payment method (cash, wallet, card). [see 2-AF]** 8. **The customer chooses the “Cash” payment option. [??? Phiếu quà tặng thay tiền mặt]** 9. **The cashier confirms the payment and finalizes the order.** 10. **The system updates the inventory accordingly, generates/prints the receipt/bill and returns to the customer, update membership benefits (if any).** | | |
| **Alternative Flows:** | **1-AF: The barcode reader fails to scan a product/doesn’t work correctly.**   1. **The cashier manually enters the product details including the product code and quantity via GUI. [??? Nhập sai mã sản phẩm]** 2. **For each manually entered products, the system identifies the product details: id, name, price, quantity, promotion (if any) and adds the item into the order.** 3. **Return to STEP 6 (NF) of normal flow.**   **2-AF: The customer chooses the “wallet” payment option**   1. **The system checks the customer’s wallet balance to ensure it covers the total order amount.** 2. **If the wallet balance is sufficient, the system deducts the amount from the customer’s wallet. [??? Tiền trong ví ko đủ]** 3. **Return to STEP 9 (NF) of normal flow.**   **?-AF:** | | |
| **Exceptions:** | **1-EF: At any time, the app cannot communicate with the server/core system (due to network malfunction/technical issues), the system displays an error message. The cashier calls the technical support for supporting purpose.** | | |
| **Priority:** | **High** | | |
| **Frequency of Use:** | **High (ảnh hưởng đến UI/UX, dính đến non-functional requirements), nếu tần suất sử dụng tính năng này cao, thì có chiến lược design/implement tính năng này sao chi hiệu quả; để sau này khi đem vào sử dụng phải cực kì hiệu quả, nhanh gọn cho phía user.** | | |
| **Business Rules:** | **BR-1: The system must support different payment methods (cash, wallet, card).**  **BR-2: The payment process has an option to record the customer payment by using physical vouchers.**  **BR-3: Using phone number to record/keep track the customer membership information.** | | |
| **Other Information:** |  | | |
| **Assumptions:** |  | | |