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| --- | --- |
| Description | This use case describes the process of creating a new receipt, adding items to it, and calculating the total amount. |
| Actors | User |
| Basic Flow | 1. The user opens the interface to create a new receipt.  2. The user adds items to the receipt by entering item codes or searching for them.  3. The system displays the details of each added item, including the price and description.  4. The system calculates the total amount of the receipt based on the added items.  5. The system displays the total amount of the receipt |
| Pre-Conditions | The user must be logged in and have permissions to create a receipt |
| Post-Conditions | A new receipt is displayed with the total amount of the added items |

**UC-1: Create a New Receipt**

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| Description | This use case describes the process of creating a new receipt, adding items to it, and calculating the total amount. |
| Actors | User |
| Basic Flow | 1. The user opens the interface to create a new receipt.  2. The user adds items to the receipt by entering item codes or searching for them.  3. The system displays the details of each added item, including the price and description.  4. The system calculates the total amount of the receipt based on the added items.  5. The system displays the total amount of the receipt |
| Pre-Conditions | The user must be logged in and have permissions to create a receipt |
| Post-Conditions | A new receipt is displayed with the total amount of the added items |

**UC-2: Check Item Availability**

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| --- | --- |
| **Description** | This use case describes the process of creating a new receipt, adding items to it, and calculating the total amount. |
| **Actors** | User |
| **Basic Flow** | 1. The user opens the interface to create a new receipt.  2. The user adds items to the receipt by entering item codes or searching for them.  3. The system displays the details of each added item, including the price and description.  4. The system calculates the total amount of the receipt based on the added items.  5. The system displays the total amount of the receipt |
| **Pre-Conditions** | The user must be logged in and have permissions to create a receipt |
| **Post-Conditions** | A new receipt is displayed with the total amount of the added items |

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| --- | --- |
| **Description** | This use case describes the process of checking the availability of items in stock before completing the transaction. |
| **Actors** | - System |
| **Basic Flow** | 1. When an item is added to the receipt, the system checks the availability of the required quantity in stock.  2. If the required quantity is available, the system allows the item to be added to the receipt.  3. If the required quantity is not available, the system displays a warning message to the user and prevents the item from being added. |
| **Pre-Conditions** | -There must be a database containing the current stock quantities for each item. |
| **Post-Conditions** | - Only available items are added to the receipt.  - The system displays warning messages when attempting to add items that are not sufficiently available. |

**UC-3: Complete Transaction and Update Inventory**

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| **Description** | This use case describes the process of completing the transaction by paying the required amount and updating the inventory based on the quantities sold. |
| **Actors** | - User (Cashier)  - System |
| **Basic Flow** | 1. The system displays the total amount of the receipt and the remaining amount after the payment.  2. The user enters the amount paid by the customer.  3. The system displays the remaining amount (if any).  4. The user confirms the completion of the transaction.  5. The system deducts the sold quantities from the inventory.  6. The system displays a confirmation of the completed transaction and the updated inventory quantities. |
| **Pre-Conditions** | - Item availability must have been checked.  - The user must have entered the amount paid by the customer. |
| **Post-Conditions** | - The transaction is successfully completed and the remaining amount is displayed.  - The inventory is updated to reflect the sold quantities. |