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| Event | Trigger | Source | Use Case | Response | Destination |
| Customer inquires Sales Representative for Item availability | Item availability inquiry | Customer | Look up Item Availability | Item Availability  details | Customer |
| Employee processes Customer Order | Processing customer Order | Employee | Process Customer Order | Processed Customer Order details | Employee |
| System updates inventory upon the fulfillment of Customer Order/Delivery of Purchased goods | Updated Inventory | System | Update Inventory | Updated Inventory details | System |
| Manager inquire Inventory record | Inventory record inquiry | Manager | Display Inventory record | Inventory record  details | Manager |
| Inventory reaches minimum quantity | Inventory reach minimum quantity | System | Generate Reorder Notification | Reorder Notification details | Manager |
| System prompts Manager to send reorder request | Prompt to send order request | System | Reorder request prompt | Reorder request  prompt details | Manager |
| Manager request for reports | Request for Reports | Manager | Generate Reports | Reports details | Manager |

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| Use Case Name: | **Look up Item Availability** | |
| Scenario: | **Customer inquires Sales Representative for Item availability** | |
| Triggering Event: | **Item availability inquiry** | |
| Brief Description: | **Customer inquires to the Employee at the front for an Item’s availability. The Employee then uses the system to inquire for that item’s availability.** | |
| Actors: | **Customer, Employee** | |
| Related Use Case: | **Process Customer Order** | |
| Stakeholders: | **System, Customer** | |
| Preconditions: | * **The item being inquired must exist within the business** * **The system must be able to identify the Item by its name or product code** | |
| Postconditions: | * **The system must display the information of the searched item.** | |
| Flow of Activities: | Actor | System |
| 1. **Customer inquires Employee for an Item’s availability** 2. **Employee uses system to check the Item’s availability** 3. **Employee informs the Customer about the item availability details** | **2.1 System reads the entered Item if it exists within the database**  **2.2 If successful, the system will display the Item’s availability along with all its information** |
| Exception Conditions: | **2.3 If unsuccessful, the system will prompt the Employee of the item’s unavailability** | |

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| Use Case Name: | **Process Customer Order** | |
| Scenario: | **Employee processes Customer Order** | |
| Triggering Event: | **Processing customer Order** | |
| Brief Description: | **The Customer submits their order to the Employee. The Employee then processes the order by using the system to calculate all the amount for payment. After processing the amount payment, the Employee then asks for the payment, which in return, after it is given, the system will print the official receipt of the transaction.** | |
| Actors: | **Customer, Employee** | |
| Related Use Case: | **Look up Item Availability, Update Inventory** | |
| Stakeholders: | **Customer, Employee, System** | |
| Preconditions: | * **The Customer must submit an order** * **The items listed must exist in the business** * **There must be an Employee to operate the system** | |
| Postconditions: | * **The system must successfully calculate the amount to be payed** * **The system must print an official receipt, given that the Employee received the payment from the Customer** | |
| Flow of Activities: | Actor | System |
| 1. **Customer submits their order to the Employee** 2. **Employee receives order and processed it using the system** 3. **Employee asks for the payment** 4. **Customer submits payment**    1. **Employee verifies payment** 5. **Employee gives the official receipt of the transaction to the Customer** | **2.1 System reads the items written in the order**  **2.2 System calculate the total amount for payment**  **2.3 System displays total payment amount**  **4.1.1 System prompts Employee if the payment is successful**  **4.1.2 System prints the official receipt of the transaction** |
| Exception Conditions: | **4.2 If the Customer fails to pay the right amount, the Employee will not verify the transaction as successful and will not present the official receipt of the transaction.**  **2.1.1 If the system fails to read the system, due to the items not existing, the system will not process the Customer Order** | |

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| Use Case Name: | **Update Inventory** | |
| Scenario: | **System updates inventory upon the fulfillment of Customer Order/Delivery of Purchased goods** | |
| Triggering Event: | **Updated Inventory** | |
| Brief Description: | **After processing a Customer Order, the system then updates its inventory by deducting all the items enlisted in the order. On another scenario, if the business receives purchased goods from the supplier, the system adding or inserting it to the system’s inventory.** | |
| Actors: | **Employee, System** | |
| Related Use Case: | **Process Customer Order** | |
| Stakeholders: | **System** | |
| Preconditions: | * **There must be a fulfillment of Customer Order or a delivery of purchased goods** | |
| Postconditions: | * **For Customer Order, the system must update the inventory by deducting the item listed in the order** * **For the delivery of purchased goods, the system must update the inventory by adding or inserting the items delivered.** | |
| Flow of Activities: | Actor | System |
| 1. **Employee successfully processes a Customer Order** 2. **Procurement of purchased goods** | **1.1 System deducts item listed in the order to its inventory**  **2.1 System adds the items delivered to its inventory** |
| Exception Conditions: |  | |

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| Use Case Name: | **Display Inventory record** | |
| Scenario: | **Manager inquire Inventory record** | |
| Triggering Event: | **Inventory record inquiry** | |
| Brief Description: | **Manager inquires the system to display inventory record, which contains all the information of the current state of the business’ inventory. The system displays the inventory record.** | |
| Actors: | **Manager** | |
| Related Use Case: |  | |
| Stakeholders: | **System, Manager** | |
| Preconditions: |  | |
| Postconditions: | * **The system must display the inventory record with all its information** | |
| Flow of Activities: | Actor | System |
| **1. Manager inquires for inventory record** | **1. System receives request for inventory record inquiry**  **1.2 System displays inventory record** |
| Exception Conditions: |  | |

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| Use Case Name: | **Generate reorder notification** | |
| Scenario: | **Inventory reaches minimum quantity** | |
| Triggering Event: | **Inventory reach minimum quantity** | |
| Brief Description: | **When an item in the inventory reaches minimum quantity, the system generates a reorder notification to the Manager.** | |
| Actors: | **Manager, System** | |
| Related Use Case: | **Reorder request prompt** | |
| Stakeholders: | **System, Manager** | |
| Preconditions: | **An item must reach the minimum quantity threshold set by the manager.** | |
| Postconditions: | **The System must generate a reorder notification.** | |
| Flow of Activities: | Actor | System |
| 1. **Item reaches minimum quantity** 2. **Manager receives reorder notification** | * 1. **System generates a reorder notification**   2. **System sends notification to the Manager** |
| Exception Conditions: |  | |

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| Use Case Name: | **Reorder request prompt** | |
| Scenario: | **System prompts Manager to send reorder request** | |
| Triggering Event: | **Prompt to send order request** | |
| Brief Description: | **When an item in the inventory reaches minimum quantity, the system generates a reorder notification to the Manager.** | |
| Actors: | **Manager** | |
| Related Use Case: | **Generate reorder notification** | |
| Stakeholders: | **System, Manager** | |
| Preconditions: | * **A reorder notification must be generated first hand** | |
| Postconditions: | * **The system must successfully understand If the Manager decides to send a reorder request or not** * **Send a reorder request** | |
| Flow of Activities: | Actor | System |
| 1. **System detects that a reorder notification has been generated** 2. **The Manager accepts, and creates a reorder request** 3. **Manager organizes the reorder request, and finalizes it** | * 1. **System prompts the manager for the decision to send a reorder request to the supplier**   2. **System reads the Manager’s decision, and proceeds to create the reorder request**   3. **System presents the reorder request, and prompt the Manager to organize it.**   4. **System verifies the reorder request, and sends it to the supplier**   5. **System displays reorder request sent successful** |
| Exception Conditions: | **2.1.1 If the Manager declines the creation of the reorder request, the system will not proceed to sending one to the supplier.** | |

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| Use Case Name: | **Generate Reports** | |
| Scenario: | **Manager request for reports** | |
| Triggering Event: | **Request for Reports** | |
| Brief Description: | **The Manager request the system to generate reports. The system has various reports that it can generate. The Manager must select the type of report for the system to generate.** | |
| Actors: | **Manager** | |
| Related Use Case: |  | |
| Stakeholders: | **Manager** | |
| Preconditions: | * **Inventory and sales record must exist within the system** | |
| Postconditions: | * **The system must generate the report requested by the Manager** | |
| Flow of Activities: | Actor | System |
| 1. **The Manager request to generate report** 2. **Manager selects a certain report and period** | * 1. **System receives and accepts the request to generate report**   2. **System displays the report selection and period for the manager to decide upon**   **2.1 System generates the report according to the selection and the period set by the Manager** |
| Exception Conditions: |  | |