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| **Use Case Name** | Create Emergency Order | | **ID** | VT-003 |
| **Project / Area** | Order Management – Desktop or Web Application | | **Version** | 1.0 |
| **Author** | Albert Stanica | | **Date** | March 27, 2025 |
| **Priority** | High | |  |  |
| **Risk** | Medium | | **Use Case Type:** | |
| **Source** |  | | **Business Requirement**  X  **System Analysis**  X | |
| **Primary Actor** | Admin  Store Manager  Assistant Store Manager  Warehouse Manager | |
| **Other Actors** | None | | | |
| **Other Interested Stakeholders** | Inventory Management Team  Warehouse Staff  Store Operations Team | | | |
| **Description** | The Admin, Store Manager, Assistant Store Manager, or Warehouse Manager creates a new emergency order for the store. The order specifies the siteIDTo (destination), siteIDFrom (source, defaults to warehouse), and shipDate (defaults to the next day). The system enforces rules ensuring that only one active emergency or regular order exists per site, with a maximum of 5 line items. | | | |
| **Precondition(s)** | The Admin or Manager is authenticated with the required permissions.  No existing active emergency order exists for the store. | | | |
| **Trigger(s)** | The Admin or Manager initiates the Create Emergency Order action. | | | |
| **Action** | | **Response / Description / Info** | | |
| Admin/Manager logs into the system | | The system verifies the user's credentials. | | |
| User navigates to Order Management | | The system displays existing orders and their statuses. | | |
| User selects Create Emergency Order | | The system checks for any existing active orders. | | |
| Validation: Only one active order allowed | | If an active order exists, the system blocks new creation. | | |
| User selects siteIDTo | | Destination site (store) is selected. | | |
| System defaults siteIDFrom | | Defaults to warehouse (store-to-store transfer not active). | | |
| System defaults shipDate | | Defaults to next day (modifiable). | | |
| User adds items to the order | | User selects items and specifies quantities. | | |
| System enforces line item limit | | Maximum 5 line items allowed. | | |
| User edits/removes line items | | User can modify, add, or remove items. | | |
| System validates quantity | | Quantities are incremented/decremented by case size. | | |
| User submits the order | | System sets txnStatus to SUBMITTED. | | |
| System logs the transaction | | Records the txnType: EMERGENCY, timestamp, and user ID. | | |
| System displays confirmation | | "Emergency order submitted successfully." | | |
| **Alternate Flow(s)** | | **Response / Description / Info** | | |
| Existing active emergency order | | The system displays: "An active emergency order already exists for this site." | | |
| Exceeds 5-line item limit | | The system displays: "Maximum of 5 line items allowed." | | |
| Invalid or missing siteID | | The system displays: "Invalid or missing site ID. Try again." | | |
| System error during submission | | "An error occurred while creating the order. Try again later." | | |
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| **Conclusion** | The emergency order is successfully created with the status NEW or SUBMITTED.  The order contains a maximum of 5 line items.  The system enforces one active order rule per site. | | | |
| **Post condition** | The emergency order is saved in the system with the status NEW or SUBMITTED.  The warehouse receives the submitted order.  The system logs the transaction for auditing purposes. | | | |
| **Business Rules** | Only one active emergency or regular order can exist per site at a time.  The order can contain a maximum of 5 line items.  Quantities must be incremented or decremented by the case size.  siteIDFrom defaults to the warehouse, with the option for store-to-store transfer in the future.  The shipDate defaults to the next day but can be modified.  Orders are tracked by txnType and txnStatus:  txnType: EMERGENCY  txnStatus: NEW (created but not yet submitted) or SUBMITTED (sent to the warehouse). | | | |
| **Constraints, Specifications, Performance Requirements** | Role-based access control: Only Admins, Store Managers, Assistant Store Managers, and Warehouse Managers can create emergency orders.  Validation Rules:  Line items: Maximum of 5.  Quantity: Must follow case size increments.  Order limits: Only one active order per site.  Audit Logging:  The system logs the transaction with the user ID, timestamp, and site IDs.  The submission process should be completed within 2-3 seconds under normal conditions. | | | |
| **Technology and Data** | Technology: Desktop or web application using C# or Java.  Database: Local or external DB storing order data, line items, and statuses.  GUI: Graphical interface for order creation, item selection, and submission. | | | |
| **Frequency** | As needed, when creating emergency orders. | | | |
| **Assumptions** | The Admin/Manager has the required permissions.  The system has network connectivity to access the database.  Store-to-store transfers are not yet implemented. | | | |
| **Notes / Issues** | Ensure proper error handling for missing or invalid data. | | | |