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| **Use Case Name** | Pickup Store Order | | **ID** | VT-004 |
| **Project / Area** | Inventory & Logistics Management | | **Version** | 1.0 |
| **Author** | Albert Stanica | | **Date** | April 6, 2025 |
| **Priority** | High | |  |  |
| **Risk** | Medium | | **Use Case Type:** | |
| **Source** |  | | x **Business Requirement**  **System Analysis** | |
| **Primary Actor** | Driver | |
| **Other Actors** | Warehouse Worker | | | |
| **Other Interested Stakeholders** | Admin | | | |
| **Description** | This use case describes the process by which a Driver picks up an assembled order from the Warehouse for delivery to a store location. The Warehouse Worker assembles the order, and the Driver uses a mobile app or responsive web page to confirm pickup. Upon confirmation, items are moved in inventory from the warehouse (siteID=11) to the vehicle (siteID=1), tagged with a unique transaction ID. The order status transitions from ASSEMBLED to IN TRANSIT. | | | |
| **Precondition(s)** | The order must be assembled and marked as ASSEMBLED.  Driver and Warehouse Worker must be logged in with appropriate permissions. | | | |
| **Trigger(s)** | Driver logs into the mobile app and selects an order marked ASSEMBLED for pickup. | | | |
| **Action** | | **Response / Description / Info** | | |
| Warehouse Worker assembles the order. | | Order status is updated to ASSEMBLED. | | |
| Driver logs into the app. | | Driver views list of ASSEMBLED orders. | | |
| Driver selects an order for pickup. | | System confirms order assignment. | | |
| Driver confirms pickup in the app. | | Order status is updated to IN TRANSIT. | | |
| System transfers items in inventory. | | Items move from siteID=11 to siteID=1. | | |
| Transaction ID is applied. | | itemLocation is updated with txnID. | | |
| Confirmation message is displayed. | | Driver receives confirmation. | | |
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| **Alternate Flow(s)** | | **Response / Description / Info** | | |
| Order not assembled. | | Order does not appear in driver’s pickup list. | | |
| Unauthorized driver | | System denies access and displays error. | | |
| Inventory mismatch. | | System logs error; prevents transfer. | | |
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| **Conclusion** | Order successfully picked up by Driver and en route to the store. Inventory and status are updated accordingly. | | | |
| **Post condition** | Order status: IN TRANSIT  Inventory location: siteID=1  Items tagged with transaction ID | | | |
| **Business Rules** | Only orders marked ASSEMBLED are eligible for pickup.  Only authorized Drivers can confirm pickup.  All item transfers must log transaction ID. | | | |
| **Constraints, Specifications, Performance Requirements** | App must be responsive and operable on mobile browsers. | | | |
| **Technology and Data** | Warehouse: Desktop App (C# or Java)  Driver: Mobile App or Responsive Web Page  Site IDs: Warehouse = 11, Vehicle = 1  Statuses: ASSEMBLED, IN TRANSIT  Transaction Types: ORDER, EMERGENCY | | | |
| **Frequency** | Several times per day, depending on delivery schedule. | | | |
| **Assumptions** | Orders are assembled correctly and ready for pickup. | | | |
| **Notes / Issues** |  | | | |