LL100R.MBR

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Business Logic for LL100R

This document outlines the business rules that govern the inventory maintenance process, based on an analysis of the RPG program LL100R. The primary focus is on how inventory data is managed, updated, and transferred within the system.

The core logic for inventory maintenance is contained within the overf_info subroutine in LL100R. This subroutine handles the transfer of inventory data to another item, ensuring that all relevant fields are updated and validated according to business rules.

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Inventory Management Rules

LL100R: vlagpfr, vvarpfr, lldipfr, vvprpfr, fstspfr, rlevpfr, ra30pfr, vla2st, vlaglur

1. Transfer Inventory Data

•**Logic:** Transfers inventory data from one item to another, ensuring that all relevant fields are copied and updated.

•**File:** vlaglur (Inventory Data)

•**Field:** vlaglu_vare, vlaglu_lage

•**Condition:** The transfer will only proceed if the source item exists in the inventory.

2. Validate Item Existence

•**Logic:** Checks if the item exists in the inventory before performing any updates.

•**File:** vlaglur (Inventory Data)

•**Field:** vlaglr_vare, vlaglr_lage

•**Condition:** The process will not proceed if the item does not exist in the inventory.

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Configuration and Authorization Rules

1. User Access Control

•**Logic:** Validates if the user has access to specific function keys based on their role.

•**Files:**

•ausrl1 (User Roles)

•**Fields:**

•ausrl1_user (User Identifier)

•**Condition:** Access is granted based on the user's permissions defined in the user roles table.

2. Supplier Price Check

•**Logic:** Checks if the prioritized supplier has a valid price for the item being processed.

•**Files:**

•vvprl1 (Supplier Prices)

•**Fields:**

•vvprl1_vare (Item Identifier)

•vvprl1_ldor (Supplier Identifier)

•**Condition:** The check will only occur if the supplier is marked as a price giver.

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Financial and Transactional Rules

1. Update Inventory Records

•**Logic:** Updates the inventory records with new values and timestamps when changes are made.

•**File:** vlaglur (Inventory Data)

•**Fields:**

•vlplas (Storage Location)

•vlmini (Minimum Quantity)

•vlmaks (Maximum Quantity)

•**Condition:** Updates are triggered when the item details are modified.

2. Log Inventory Changes

•**Logic:** Logs changes made to inventory items for auditing purposes.

•**File:** vlaglur (Inventory Data)

•**Condition:** A log entry is created whenever an item's type is changed or when significant updates occur.

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Special Conditions (Program-Specific)

1. Confirm Type Change (L->S)

•**Logic:** If an item changes from a stock item to a non-stock item, the user must confirm the change.

•**File:** vlaglur (Inventory Data)

•**Field:** c2vtyp (Item Type)

•**Condition:** The confirmation prompt is triggered if the item has active stock and is changing from 'L' (stock) to 'S' (non-stock).

2. Confirm Type Change (S->L)

•**Logic:** If an item changes from a non-stock item to a stock item, the user must confirm the change.

•**File:** vlaglur (Inventory Data)

•**Field:** c2vtyp (Item Type)

•**Condition:** The confirmation prompt is triggered if the item is changing from 'S' to 'L'.

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Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. CO402R (Configuration Check Program)

•**Trigger:** Called during initialization to check user-specific settings.

•**Logic:** Determines if user-specific settings should affect inventory management.

•**Impact:** This call impacts the filtering options available to the user based on their role.

2. VV500R (Item Lookup Program)

•**Trigger:** Called to validate item numbers during input.

•**Logic:** Fetches item details based on the provided item number.

•**Impact:** Ensures that only valid items are processed in inventory transactions.

3. RA510R (Location Lookup Program)

•**Trigger:** Called when validating storage locations.

•**Logic:** Validates the existence of storage locations for inventory items.

•**Impact:** Prevents processing of transactions involving invalid locations.

This documentation provides a comprehensive overview of the business logic implemented in the LL100R program, focusing on inventory management processes and the associated rules and conditions that govern them.