

JV100R.MBR

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Business Logic for Vare Maintenance

This document outlines the business rules that govern the maintenance of items (varer) in the ERP system, based on an analysis of the RPG program JV100R. The primary focus is on how the program handles item creation, modification, and querying.

The core logic for item maintenance is contained within the subfile subroutine in JV100R. The program interacts with various data files to retrieve, update, and display item information, including handling special conditions for deleted or discontinued items.

Order Status and Header Rules

Vare Maintenance: jvarlr, jvarla, jvarlb, jvarlc, jlevl1

1. Display Deleted Items

- Logic:** The program appends '** SLETTET **' to the item text for items marked as deleted.
- File:** jvarlr (Item records)
- Field:** jvstat
- Condition:** If jvstat is equal to 4, indicating the item is deleted.

2. Display Discontinued Items

- Logic:** The program appends '** UTGÅTT **' to the item text if the item is discontinued.
- File:** jvarlr (Item records)
- Field:** jvluda
- Condition:** If the last update date (jvluda) is less than the current date and the item is not active.

Configuration and Authorization Rules

1. Validate Item Grouping

- Logic:** The program checks for valid item groupings before processing.
- Files:**
 - jvarla (Overgroup)
 - jvarlb (Main group)
- Fields:**
 - b2ogrp (Overgroup)
 - b2hgrp (Main group)
- Condition:** If b2ogrp is 0 and b2hgrp is not 0, or if b2hgrp is 0 and b2ugrp is not 0, an error is triggered.

2. Check for Active Items

- Logic:** The program checks if the item is active based on its last update date.
- File:** jvlelr (Logistics items)
- Field:** jvluda
- Condition:** If the last update date is greater than the current date, the item is considered active.

Financial and Transactional Rules

1. Item Price Maintenance

- Logic:** The program allows for the maintenance of item pricing through a separate program call.
- File:** jvarlr (Item records)
- Fields:**
 - w_vare (Item number)
 - w_firm (Firm identifier)
- Condition:** Triggered when the user selects the option to maintain item prices.

2. Delete Item with Relationships

- Logic:** The program calls another program to delete an item along with its relationships.
 - File:** jvarlr (Item records)
 - Condition:** Triggered when the user selects the delete option.
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Special Conditions (Program-Specific)

1. Display NOBB Information

- Logic:** The program retrieves and displays NOBB information for the item.
- File:** jvarlr (Item records)
- Field:** jvnobb
- Condition:** Triggered when the user selects the option to view NOBB information.

2. Logistics Item Check

- Logic:** The program checks if the item is a logistics item and updates the display accordingly.
 - File:** jvlelr (Logistics items)
 - Fields:** w_jvqvn (Logistics item number)
 - Condition:** This check is performed whenever an item is processed or displayed.
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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. JV101R (Item Maintenance Program)

- Trigger:** Called during item creation or modification.
- Logic:** Handles the main logic for creating or updating item records.
- Impact:** This call is essential for maintaining the integrity of item records.

2. JV400R (Delete Item Program)

- Trigger:** Called when an item is deleted.
- Logic:** Deletes the item and its associated relationships from the database.
- Impact:** This is a critical step to ensure that no orphaned records remain.

3. JV510R (Display Product Information)

- Trigger:** Called when the user selects to view detailed product information.
- Logic:** Retrieves and displays comprehensive details about the item.
- Impact:** Provides necessary information for decision-making regarding the item.

4. JV512R (Free Text Search Program)

- Trigger:** Called when the user performs a search based on free text.
- Logic:** Executes a search query to find items matching the provided text.
- Impact:** Enhances the user experience by allowing flexible searching.

5. JV190R (Display Item Properties)

- Trigger:** Called when the user wants to view item properties.
- Logic:** Displays specific properties related to the item.
- Impact:** Important for understanding item specifications and attributes.

This documentation provides a comprehensive overview of the business logic implemented in the JV100R program, detailing how items are maintained within the ERP system.