

JX100R.MBR

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Business Logic for Vare-pris Maintenance

This document outlines the business rules that govern the maintenance of item prices within the ERP system, based on an analysis of the RPG program JX100R. The primary focus is on how item prices are created, updated, and validated in the system.

The core logic for price maintenance is contained within the various subroutines in JX100R. The program handles the retrieval, validation, and updating of item prices, ensuring that all necessary conditions are met before any changes are made to the database.

Order Status and Header Rules

Vare-pris Maintenance: fjvprlr, fjvprl1, fjvprlu, fjvarl1, fjlevl1, fjvlelr, favall1

1. Check for Valid From Date

- Logic:** The program checks if a valid "from" date is filled out before proceeding with price updates.

- File:** fjvprlr (Item Price Records)

- Field:** jvprlr_gdat

- Condition:** The process will not proceed if jvprlr_gdat is not filled out.

2. Display Outdated Prices

- Logic:** Outdated prices are displayed when the user accesses the program for the first time.

- File:** fjvprlr (Item Price Records)

- Field:** jvprlr_rsts

- Condition:** If jvprlr_rsts indicates that the price is outdated, it will be shown in the display.

Configuration and Authorization Rules

1. Field Write Protection

- Logic:** Certain fields are made write-protected based on business rules defined in the avalpfr file.

- Files:**

- favall1 (Field Validation Rules)

- Fields:**

- avall1_apgm (Program Name)

- Condition:** Fields will be write-protected if the corresponding validation flag in favall1 is set.

2. Validation of Supplier

- Logic:** The program checks if the supplier exists before allowing price updates.

- File:** fjlevl1 (Supplier Records)

- Field:** jlevl1_ldor

- Condition:** The process will not proceed if jlevl1_ldor does not exist in the supplier records.

Financial and Transactional Rules

1. Update Item Price

- Logic:** When updating an item price, the program ensures that all necessary fields are filled and valid.
- File:** fjvprlu (Item Price Update Records)
- Fields:**
 - jvprlu_idor (Supplier ID)
 - jvprlu_gdat (Valid From Date)
- Condition:** The update will not occur if jvprlu_idor or jvprlu_gdat is missing or invalid.

2. Delete Item Price

- Logic:** The program allows deletion of item prices after confirming the user's intent.
- File:** fjvprlr (Item Price Records)
- Condition:** The deletion will only proceed after user confirmation through the delete window.

Special Conditions (Program-Specific)

1. Display Message for Existing Price

- Logic:** If the item price already exists, a message is displayed to the user.
- File:** fjvprlr (Item Price Records)
- Field:** jvprlr_idor
- Condition:** If jvprlr_idor is found, a message is shown. Note: This is crucial for preventing duplicate entries.

2. Check for Expired Prices

- Logic:** The program checks if all price providers have expired for the item.
- File:** jvlepf (Price Provider Records)
- Fields:**
 - jvlvnr (Item Number)
 - jvlldo (Supplier ID)
- Condition:** The check will ensure that no active price providers exist before allowing updates.

Subprogram Calls Affecting Logic

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

1. JK101R (Logistics Item Update)

- Trigger:** Called after updating item prices.
- Logic:** Updates logistics-related information for the item.
- Impact:** This call ensures that all logistics data is consistent with the new pricing.

2. JV790R (Search Text Update)

- Trigger:** Called after a price update.
- Logic:** Updates search text related to the item.
- Impact:** This ensures that the search functionality reflects the most current item pricing.

3. JL500R (Supplier Validation)

- Trigger:** Called during various input checks.
- Logic:** Validates supplier information based on user input.

- Impact:** This is crucial for maintaining data integrity and ensuring that only valid suppliers are associated with item prices.