JX100R.MBR

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Business Logic for Vare-pris Vedlikehold

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 the rules and logic that dictate how item prices are created, updated, and validated.

The core logic for handling item prices is contained within various subroutines in JX100R. The program processes records related to item prices, including validation checks and updates to the database.

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Order Status and Header Rules

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

1. Price Creation Validation

•**Logic:** The program checks if a valid start date is provided when creating a new price record.

•**File:** fjvprlr (Item Price Records)

•**Field:** jvprlr_gdat

•**Condition:** "The process will not allow the creation of a price record if jvprlr_gdat is not filled out."

2. Display of Outdated Prices

•**Logic:** Outdated prices are displayed when accessing the program for the first time.

•**File:** fjvprlr (Item Price Records)

•**Field:** jvprlr_rsts

•**Condition:** "If the item is marked as outdated, it will be shown when the user first enters the program."

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Configuration and Authorization Rules

1. Field Protection Based on Configuration

•**Logic:** Certain fields are made read-only based on firm-specific configurations.

•**Files:**

•favall1 (Firm-Specific Validation)

•**Fields:**

•avall1_apgm (Program Name)

•**Condition:** "Fields will be protected if the firm configuration specifies that they should be."

2. Validation of Supplier

•**Logic:** The program checks if the supplier exists before allowing further processing.

•**File:** jlevl1 (Supplier Records)

•**Field:** jlevl1_ldor

•**Condition:** "The process will not proceed if jlevl1_ldor does not match an existing supplier."

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Financial and Transactional Rules

1. Price Update Logic

- **Logic:** When updating a price, the program checks if the price already exists and updates it accordingly.
- **File:** fjvprlu (Item Price Update Records)
- **Fields:**
- jvprlu_gdat (New Price Date)
- jvprlu_rsts (Price Status)
- **Condition:** "If the price exists, it will be updated; otherwise, a new price record will be created."

2. Deletion of Price Records

- **Logic:** The program allows for the deletion of price records after confirming the user's intent.
- **File:** fjvprlr (Item Price Records)
- **Condition:** "The deletion will only occur after the user confirms via a dedicated window."

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Special Conditions (Program-Specific)

1. Display of Warning Messages (JX100R)

- **Logic:** If a user attempts to create a price record that already exists, a warning message is displayed.
- **File:** fjvprlr (Item Price Records)
- **Field:** jvprlr_ldor
- **Condition:** "If a matching record is found, the user will be alerted with a message."

2. Subfile Management (JX100R)

- **Logic:** The program manages a subfile to display multiple price records and allows navigation through them.
- **File:** fjvprl1 (Item Price Subfile Records)
- **Fields:** jvprl1_ldor (Supplier ID), jvprl1_gdat (Price Date)
- **Condition:** "The subfile will be populated with records that meet the filtering criteria set by the user."

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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. JK101R (Logistics Item Update)

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

2. JV790R (Search Text Update)

- **Trigger:** Called after a price update.
- **Logic:** Updates search text related to the item.
- **Impact:** "This ensures that the latest price information is reflected in search functionalities."

3. JL500R (Supplier Query)

- **Trigger:** Called when validating supplier information.
- **Logic:** Queries supplier details based on user input.

- **Impact:** "This represents a critical check to ensure that the supplier is valid before processing item prices."

This documentation provides a comprehensive overview of the business logic encapsulated within the JX100R program, focusing on the rules and conditions that govern item price maintenance.