VT100R.MBR

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Business Logic for VT100R

This document outlines the business rules that govern the pricing and maintenance of offers, based on an analysis of the RPG program VT100R. The primary focus is on the logic that handles the management of offer prices, including validation, data retrieval, and user interactions.

The core logic for managing offer prices is contained within the various subroutines in VT100R. The program processes user input to maintain and display offer prices, ensuring that all necessary validations are performed before any data is updated or displayed.

Order Status and Header Rules

VT100R: vtillr, vti2lr, vtillu, vti2lu, vtill1, vtill2, vtill3, vtill4, vtill5, vtill6, vtill8, vtill9, vvarl1, vltpl1, fra30l1, vvenl1, frlevl1, fvogrl1, fvhgrl1, fvugrl1

1. Check if Item Exists

•**Logic:** The process verifies that an item must exist before proceeding with any operations related to it.

•**File:** vtillr (Offer Prices)

•**Field:** vtillr_vare

•**Condition:** The process will not select a record if vtillr_vare is blank.

2. Price Group Validation

•**Logic:** The program checks that the price group is valid and exists in the database.

•**File:** vtillr (Offer Prices)

•**Field:** vtillr_prgr

•**Condition:** The process will not proceed if vtillr_prgr is blank.

Configuration and Authorization Rules

1. User Authorization Check

•**Logic:** The program checks if the user has the necessary permissions to perform updates.

•**Files:**

•vtillr (Offer Prices)

•vvenl1 (Vendor Information)

•**Fields:**

•vtillr_firm (from vtillr)

•vvenl1_vare (from vvenl1)

•**Condition:** The process will not allow updates if the user does not have the required permissions.

2. Date Validation

•**Logic:** The program ensures that the provided dates are valid and in the correct format.

•**File:** vtillr (Offer Prices)

•**Field:** vtillr_fdat, vtillr_tdat

• **Condition:** The process will not proceed if the from-date is greater than the to-date.

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Financial and Transactional Rules

1. Price Calculation Validation

• **Logic:** The program checks that the calculated prices are valid and adhere to business rules.

• **File:** vtillr (Offer Prices)

• **Fields:**

• vtillr_prgr (Price Group)

• vtillr_lety (Delivery Type)

• **Condition:** The process will not allow updates if the calculated prices do not meet the required thresholds.

2. Offer Price Update

• **Logic:** The program updates the offer price based on user input and calculated values.

• **File:** vtillr (Offer Prices)

• **Condition:** The update will only occur if all validations are passed.

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Special Conditions (Program-Specific)

1. Subfile Handling (VT100R)

• **Logic:** The program manages subfile operations for displaying and updating offer prices.

• **File:** b1sfl (Subfile for Offer Prices)

• **Field:** b1valg (User Selection)

• **Condition:** The program will handle user selections for viewing, updating, or deleting records in the subfile.

2. Error Messaging (VT100R)

• **Logic:** The program displays error messages based on validation failures.

• **File:** c1msg (Message Display)

• **Fields:** c1ltxt, c1gtxt (Text for Messages)

• **Condition:** The program will show error messages if any validation fails during input processing.

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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. VP715R (Price Calculation Subprogram)

• **Trigger:** Called during the price calculation process.

• **Logic:** This program retrieves and calculates the necessary price adjustments based on the input parameters.

• **Impact:** This call acts as a **critical calculation step** to ensure accurate pricing.

2. VG510R (Group Validation Subprogram)

• **Trigger:** Called when validating group information.

• **Logic:** This program checks the validity of the group information against the database.

• **Impact:** This is a **key validation step** that ensures data integrity.

3. VV500R (Item Information Retrieval Subprogram)

•**Trigger:** Called when retrieving item details.

•**Logic:** This program fetches item details based on the provided item number.

•**Impact:** This represents the **data retrieval step** necessary for processing offers.

This documentation provides a comprehensive overview of the business logic for the VT100R program, ensuring clarity on the rules and processes involved in managing offer prices.