

FL100R.MBR

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Business Logic for Kundeprojekt Maintenance

This document outlines the business rules that govern the customer project maintenance process, based on an analysis of the RPG program FL100R. The primary focus is on the logic for managing customer projects, including searching, filtering, and displaying project data.

The core logic for customer project maintenance is contained within the subfile subroutine in FL100R. This subroutine handles the display and management of customer project records, allowing users to perform various operations such as creating, updating, and deleting projects.

Order Status and Header Rules

Kundeprojekt: fkpspf, fkprlr, fkprlu, fkprl1, fkprl2, fkprl3, fkprl5, fkprl6, rkunl1

1. Record Filtering

- Logic:** The program filters records based on user input and specific conditions, ensuring only relevant projects are displayed.
- File:** fkpspf (Customer Project File)
- Field:** flstek (Project Status)
- Condition:** The process will not select a record if the project status is marked as expired or if it does not match the current filtering criteria.

2. Display Logic

- Logic:** The program displays customer projects in a subfile format, allowing users to navigate through the records.
- File:** b1sfl (Subfile for Customer Projects)
- Field:** b1kund (Customer Number)
- Condition:** The display will be updated based on the user's navigation actions, such as page up/down or filtering.

Configuration and Authorization Rules

1. User Permissions Check

- Logic:** The program checks user permissions to determine if they can access certain features, such as special pricing or discount matrices.
- Files:**
 - fkpspf (Customer Project File)
 - rkunl1 (Customer Lookup File)
- Fields:**
 - fkprlr_kund (Customer ID from Customer Project)
 - rkunl1_kund (Customer ID from Lookup)
- Condition:** Access to special pricing features is granted only if the user has the appropriate permissions set in the system.

2. Date Validation

- Logic:** The program validates dates to ensure they are within acceptable ranges for project management.
 - File:** fkpspf (Customer Project File)
 - Field:** fltdat (Project Date)
 - Condition:** The process will not proceed if the project date is in the past or invalid.
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Financial and Transactional Rules

1. Project Creation and Update

- Logic:** The program allows users to create new projects or update existing ones, ensuring all required fields are filled.
- File:** fkpspf (Customer Project File)
- Fields:**
 - fkprlr_kund (Customer ID)
 - fkprlr_kpro (Project ID)
- Condition:** A project can only be created or updated if the customer ID and project ID are valid and not already in use.

2. Deletion of Projects

- Logic:** The program provides functionality to delete projects, ensuring that all dependencies are checked before deletion.
 - File:** fkpspf (Customer Project File)
 - Condition:** The deletion will only occur if the project is not linked to any active transactions or dependencies.
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Special Conditions (Program-Specific)

1. Filter Functionality (FL100R)

- Logic:** The program allows users to filter projects based on specific criteria, enhancing the search functionality.
- File:** fkpspf (Customer Project File)
- Field:** flstek (Project Status)
- Condition:** The filter will only apply if the user has selected the filter option and provided valid input.

2. Data Cleanup (FL100R)

- Logic:** The program includes a data cleanup routine that removes unwanted characters from project names to ensure compatibility with the display system.
 - File:** fkpspf (Customer Project File)
 - Fields:** b1navn (Project Name)
 - Condition:** The cleanup routine is triggered before displaying project names in the subfile.
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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. RK500R (Customer Lookup Program)

- Trigger:** Called during the querying of customer details based on user input.
- Logic:** This program retrieves customer information and updates relevant fields in the main program.
- Impact:** This call ensures that the most current customer data is displayed and used for project management.

2. FL105R (Project Maintenance Program)

- Trigger:** Called when creating or updating project details.
- Logic:** This program handles the detailed maintenance of project records, including validation and saving changes.
- Impact:** This is a critical step in ensuring that project data is correctly managed and stored.

3. FL400R (Project Deletion Program)

- Trigger:** Called when a user initiates the deletion of a project.
- Logic:** This program processes the deletion request, ensuring all dependencies are checked and handled appropriately.
- Impact:** Represents the final step in the project lifecycle, ensuring that projects can be safely removed from the system without leaving orphaned records.