CBTRN02C-cbl-0.4.4

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Documentation

1. High Level Overview Of This Program

1.1. Program Name

CBTRN02C

1.2. Main Purpose

The main purpose of CBTRN02C is to post records from a daily transaction file to various other files, including a transaction file, account file, and transaction category balance file. It processes each transaction, validates it, and updates the relevant records accordingly.

1.3. Business Context

This program operates in the context of a credit card processing system, specifically handling daily transaction processing. It is part of the CardDemo application, which likely manages credit card accounts and transactions for a financial institution.

1.4. Key Features

1. Transaction Processing: Reads transactions from the DALYTRAN-FILE and processes them one by one.
2. Transaction Validation: Validates each transaction by checking the card number against the XREF-FILE and verifying the account details in the ACCOUNT-FILE.
3. Account Update: Updates the account balance and cycle credits/debits in the ACCOUNT-FILE based on the transaction amount.
4. Transaction Categorization: Updates the transaction category balances in the TCATBAL-FILE.
5. Rejection Handling: Writes rejected transactions to the DALYREJS-FILE with a validation trailer explaining the reason for rejection.
6. Transaction Recording: Writes valid transactions to the TRANSACT-FILE for record-keeping.

1.5. Input Output

Input Tables:
N/A

Output Tables:
N/A

Input Files:
1. DALYTRAN-FILE: Contains the daily transaction records to be processed.

2. XREF-FILE: Stores the cross-reference information between card numbers and account IDs.
3. ACCOUNT-FILE: Holds the account information for each customer.
4. TCATBAL-FILE: Stores the transaction category balances for each account.

Output Files:
1. TRANSACT-FILE: Stores the processed and valid transactions.
2. DALYREJS-FILE: Contains the rejected transactions along with the reason for rejection.
3. ACCOUNT-FILE: Updated with new balances and cycle credits/debits after processing transactions.
4. TCATBAL-FILE: Updated with new category balances after processing transactions.

Miscellaneous Input:
N/A

Miscellaneous Output:
1. Console Output: Displays the number of transactions processed and rejected at the end of the program execution.

1.6. Integration

This program does not interact with any external systems beyond the files it processes. It operates as a standalone batch program within the CardDemo application.