

Bill Payment — Pay Balance in Full (User)

- Transaction: CB00
- Program: COBIL00C
- Mapset: COBIL00
- Map: COBIL0A

Summary

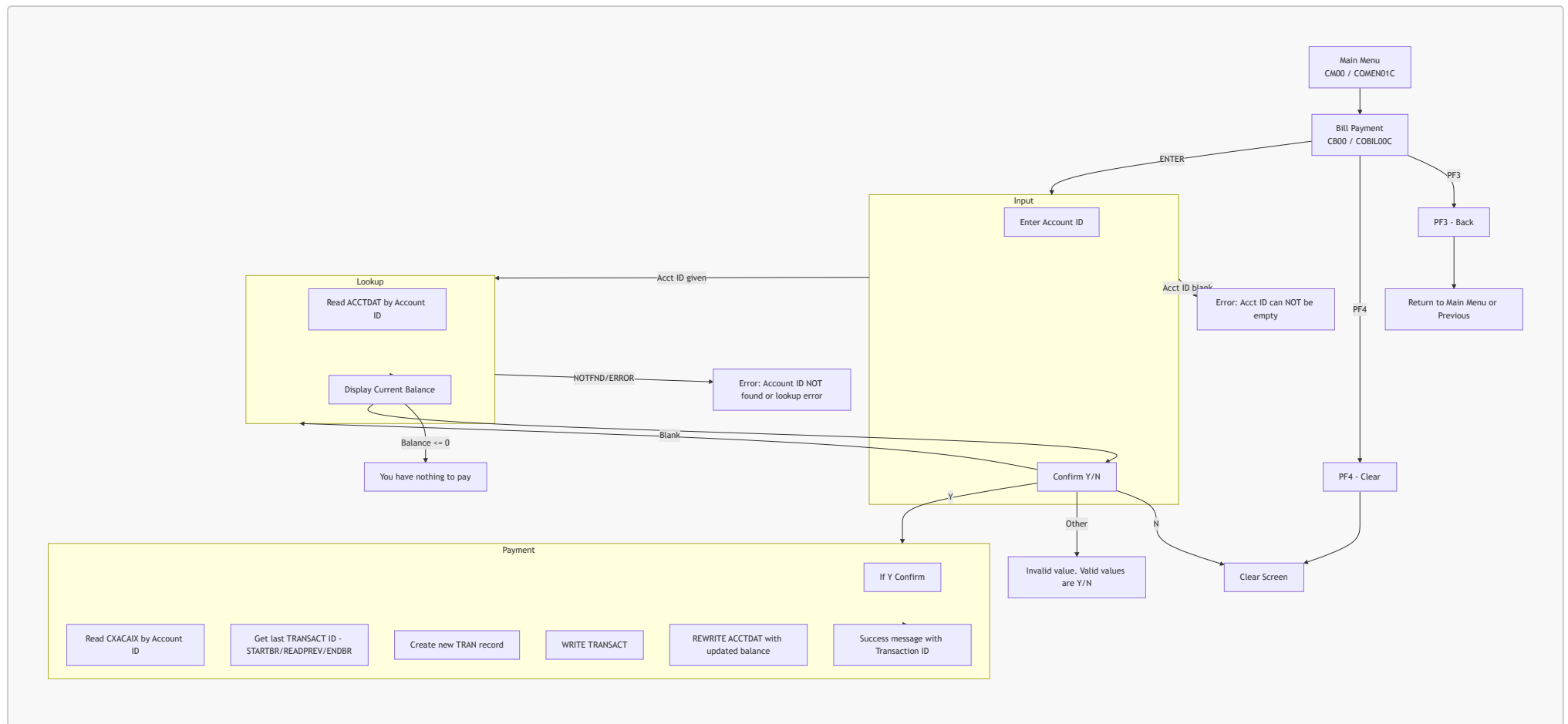
This screen lets a user pay the full outstanding account balance. User enters an Account ID, the program retrieves the current balance, and upon confirmation (Y), creates a new transaction and updates the account balance to reflect the payment.

Key behaviors:

- On first entry, if CDEMO-CB00-TRN-SELECTED is present (from a previous screen), the program pre-fills ACTIDIN and proceeds as if ENTER was pressed.
- PF3 returns to the previous program (CDEMO-FROM-PROGRAM) or Main Menu (COMEN01C) if none.
- PF4 clears the screen.

Diagrams

Application Flow (Mermaid)



Program, Map, and Transaction

- Transaction ID: **CB00** (WS-TRANID)
- Program: **COBIL00C** (WS-PGMNAME)
- Mapset: **COBIL00**
- Map: **COBIL0A**

Dataset Operations (CICS)

- ACCTDAT (Account master)
 - **READ ... UPDATE** by **ACCT-ID** in **READ-ACCTDAT-FILE**

- **REWRITE** updated balance in **UPDATE-ACCTDAT-FILE**
- **CXACAIX** (Account→Card xref)
 - **READ** by **XREF-ACCT-ID** in **READ-CXACAIX-FILE**
- **TRANSACTION** (Transaction file)
 - Allocate new **TRAN-ID** via **STARTBR + READPREV + ENDBR**
 - Write new transaction with **WRITE-TRANSACTION-FILE**

PF-key Handling

- **ENTER**: **PROCESS-ENTER-KEY**
 - Validates **ACTIDIN**
 - Reads account, displays current balance
 - Interprets **CONFIRM** (Y/N/blank/other)
 - On Y, posts bill payment transaction and updates account balance
- **PF3**: Return to previous (**CDEM0-FROM-PROGRAM**) or **COMEN01C** if none; **RETURN-TO-PREV-SCREEN**
- **PF4**: Clear fields; **CLEAR-CURRENT-SCREEN**
- Other: Error **CCDA-MSG-INVALID-KEY**

Behavior and Flow

- Initial entry
 - **EIBCALEN = 0** → go to Sign-on **COSGN00C** (safety)
 - Else, on first-show set cursor to **ACTIDIN**. If **CDEM0-CB00-TRN-SELECTED** is set, prefill and process **ENTER**.
- **ENTER** processing (**PROCESS-ENTER-KEY**)
 - If **ACTIDIN** empty → error and cursor to **ACTIDIN**
 - Move **ACTIDIN** to **ACCT-ID** and **XREF-ACCT-ID**
 - **CONFIRM** handling:
 - **Y/y** → **CONF-PAY-YES**, proceed with account read and payment
 - **N/n** → clear screen; message state flagged
 - Spaces/low-values → read account only (show balance)
 - Other → error and cursor to **CONFIRM**
 - After account read, show **ACCT-CURR-BAL** in **CURBAL**
 - If balance <= 0 → error "You have nothing to pay..."

- If confirmed YES and no errors:
 - Read **CXACAIX**
 - Get next **TRAN-ID** (READPREV of **TRANSACT**)
 - Fill transaction:
 - **TRAN-TYPE-CD** = '02', **TRAN-CAT-CD** = 2
 - **TRAN-SOURCE** = 'POS TERM'
 - **TRAN-DESC** = 'BILL PAYMENT - ONLINE'
 - **TRAN-AMT** = **ACCT-CURR-BAL**
 - Merchant: ID 999999999, Name **BILL PAYMENT**, City **N/A**, Zip **N/A**
 - Timestamps via **ASKTIME** + **FORMATTIME**
 - **WRITE TRANSACT**, then **REWRITE ACCTDAT** with reduced balance
 - On success, initialize fields and show green success message with new Transaction ID

UI Elements (from **app/bms/COBIL00.bms**)

- Header
 - **TRNNAME** (blue) at (1,7), shows **CB00**
 - **PGMNAME** (blue) at (2,7), shows **COBIL00C**
 - **CURDATE/CURTIME** (blue) at (1,71)/(2,71)
 - **TITLE01/TITLE02** (yellow) titles
- Body
 - Title: "Bill Payment" centered at (4,35), bright neutral
 - Label: "Enter Acct ID:" (green) at (6,6)
 - Input: **ACTIDIN** length 11, green, underline, unprotected at (6,21)
 - Separator line at (8,6)
 - Label: "Your current balance is:" (turquoise) at (11,6)
 - Field: **CURBAL** length 14 at (11,32)
 - Prompt: "Do you want to pay your balance now. Please confirm:" (turquoise) at (15,6)
 - Input: **CONFIRM** length 1, green, underline, unprotected at (15,60) with literal (**Y/N**) at (15,63)
- Messages
 - **ERRMSG** bright red at (23,1) for errors/success
- Footer keys
 - Literal at (24,1): **ENTER=Continue F3=Back F4=Clear**

Key Paragraphs (from [app/cbl/COBIL00C.cbl](#))

- [MAIN-PARA](#)
- [PROCESS-ENTER-KEY](#)
- [SEND-BILLPAY-SCREEN](#)
- [RECEIVE-BILLPAY-SCREEN](#)
- [READ-ACCTDAT-FILE](#) / [UPDATE-ACCTDAT-FILE](#)
- [READ-CXACAIX-FILE](#)
- [STARTBR-TRANSACTION-FILE](#) / [READPREV-TRANSACTION-FILE](#) / [ENDBR-TRANSACTION-FILE](#)
- [WRITE-TRANSACTION-FILE](#)
- [CLEAR-CURRENT-SCREEN](#) / [INITIALIZE-ALL-FIELDS](#)
- [RETURN-TO-PREV-SCREEN](#)

Notable Messages

- "Acct ID can NOT be empty..."
- "Account ID NOT found..."
- "Unable to lookup Account..."
- "Unable to Update Account..."
- "Unable to lookup XREF AIX file..."
- "Transaction ID NOT found..." (on STARTBR errors)
- "Unable to lookup Transaction..."
- "You have nothing to pay..."
- "Confirm to make a bill payment..."
- "Invalid value. Valid values are (Y/N)..."
- Success (green): "Payment successful. Your Transaction ID is ."
- Invalid PF-key: copybook [CCDA-MSG-INVALID-KEY](#)

Related Screens

- Transaction List: [COTRN00.md](#)
- Transaction View: [COTRN01.md](#)
- Transaction Add: [COTRN02.md](#)

- Main Menu: [COMEN01.md](#)