BCRD Master Wallet Trade Flow

Actors

- **Master BCRD Wallet:** Holds all BCRD ledger for payouts.
- **Master BNB Wallet:** Holds BNB liquidity and collects fees.
- **User Wallet:** Executes trades and receives PNL in BCRD.

Step-by-Step Trade Flow

Step 1: User closes trade with a PNL of **60 BCRD**.
User calls `closeTrade()` on the smart contract.

Step 2: Master BCRD temporarily lends **60 BCRD** to the user.

Step 3: Trade executes against Master BNB Wallet.
Example swap: 60 BCRD → 0.67 BNB.
Maker and Taker fees (in BNB) are applied and posted to Master BNB Wallet.

Step 4: BNB from trade (**0.67 BNB**) is returned to Master BNB Wallet.

Step 5: 60 BCRD PNL is credited to the user's BCRD balance in the contract.

Trade Flow Table Example

Step	Action	Amount	Wallet
1	Close Trade	60 BCRD	User Wallet
2	Lend PNL	60 BCRD	Master BCRD Wallet → User
3	Trade Swap	60 BCRD → 0.67 BNB	User → Master BNB Wallet
4	Return BNB	0.67 BNB	Master BNB Wallet
5	Credit PNL	60 BCRD	User Wallet

Key Notes

- BNB fees (maker/taker) are collected on-chain and sent to Master BNB Wallet.
- BCRD PNL is lent from Master BCRD and delivered to user on trade close.
- All balances, PNL, and fees are recorded on-chain for auditing.
- No external routers; all swaps are simulated internally in the contract.