

Bondr - Arch Diagram

Overview -

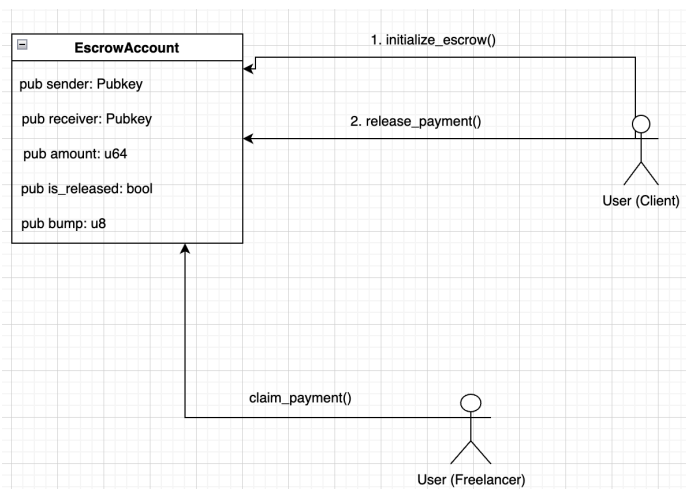
Bondr is a milestone-based escrow protocol that enables secure freelancer payments with crypto-native loyalty rewards.

Core Protocol Capabilities

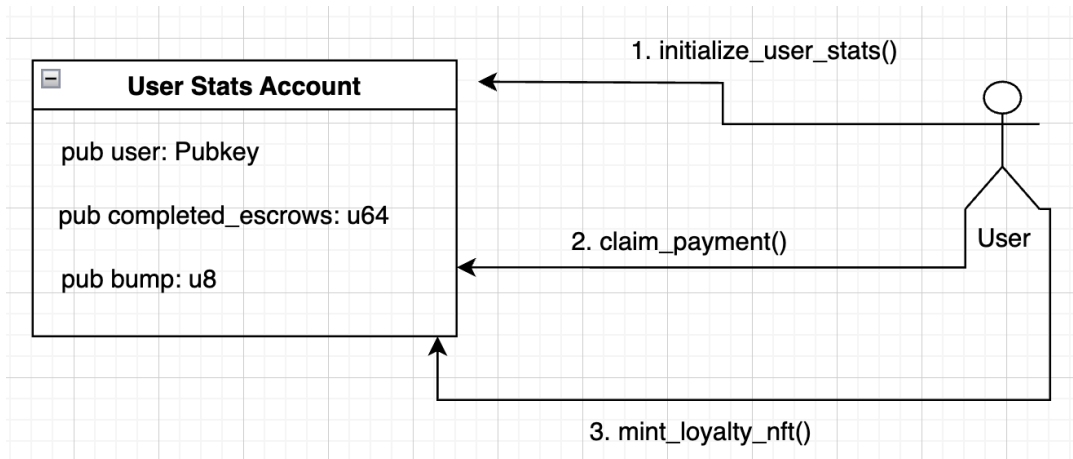
- The protocol allows clients to create milestone-based escrow payments for freelancers
- The protocol allows clients to release payments when work milestones are completed
- The protocol allows freelancers to claim released payments in SOL or SPL tokens
- The protocol supports both SOL and SPL token transfers with automatic ATA creation
- The protocol tracks user statistics and transaction history for loyalty rewards
- The protocol mints NFT rewards for frequent users at milestone thresholds (3, 10, 25 transactions)
- The protocol includes comprehensive validation and error handling for secure operations
- The protocol maintains non-custodial escrow through Program Derived Addresses (PDAs)

Accounts Struct

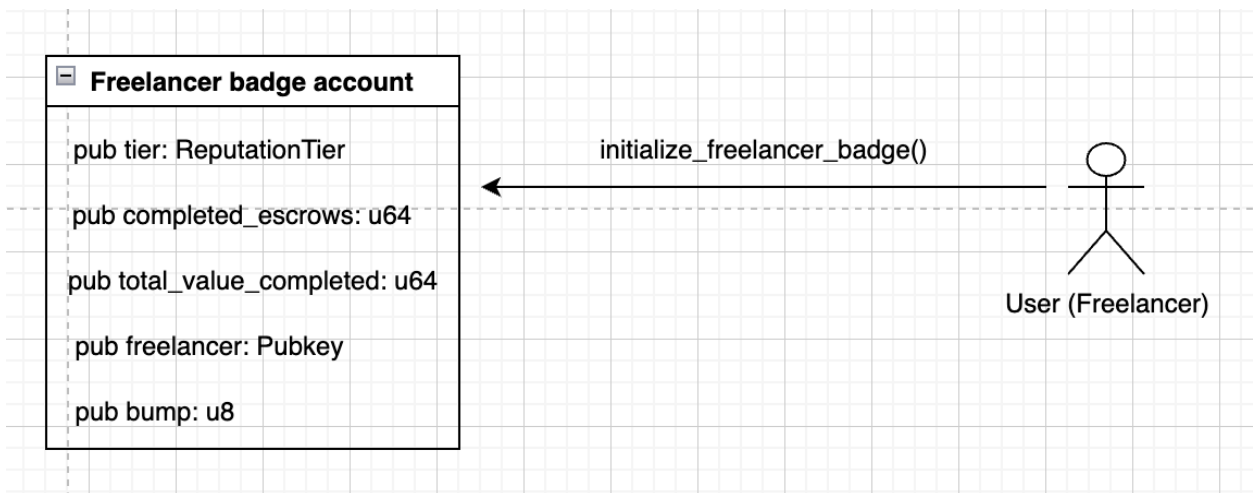
1. Escrow Account



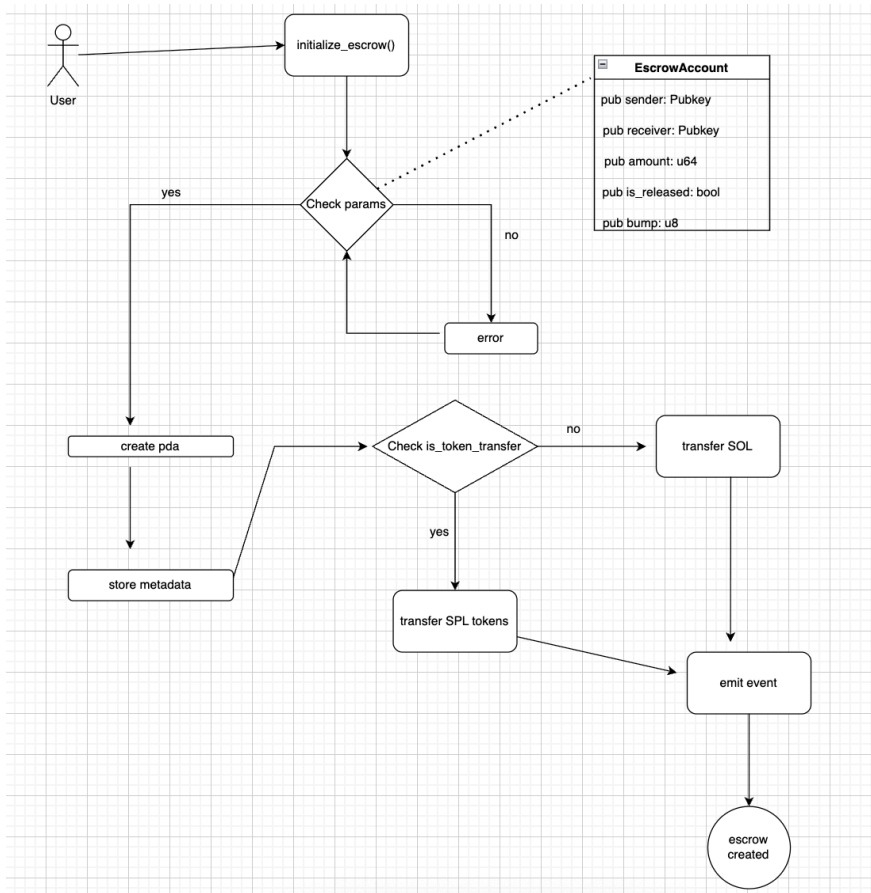
2. User Stats Account



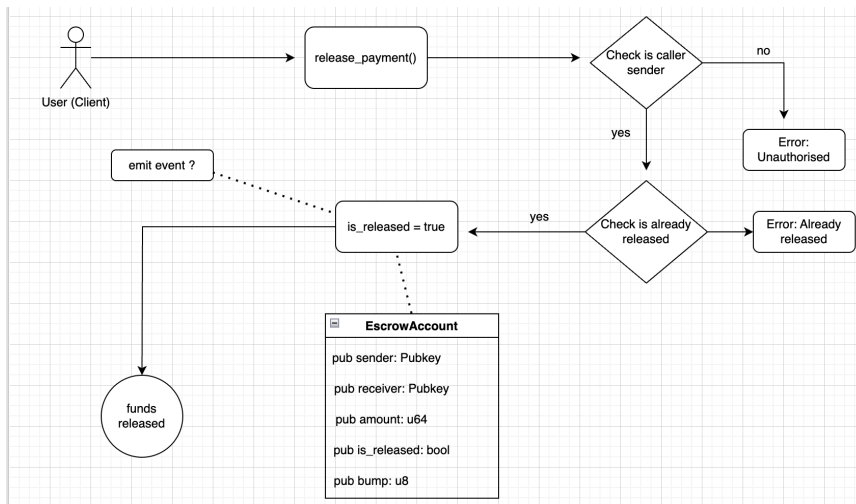
3. Freelancer Badge Account



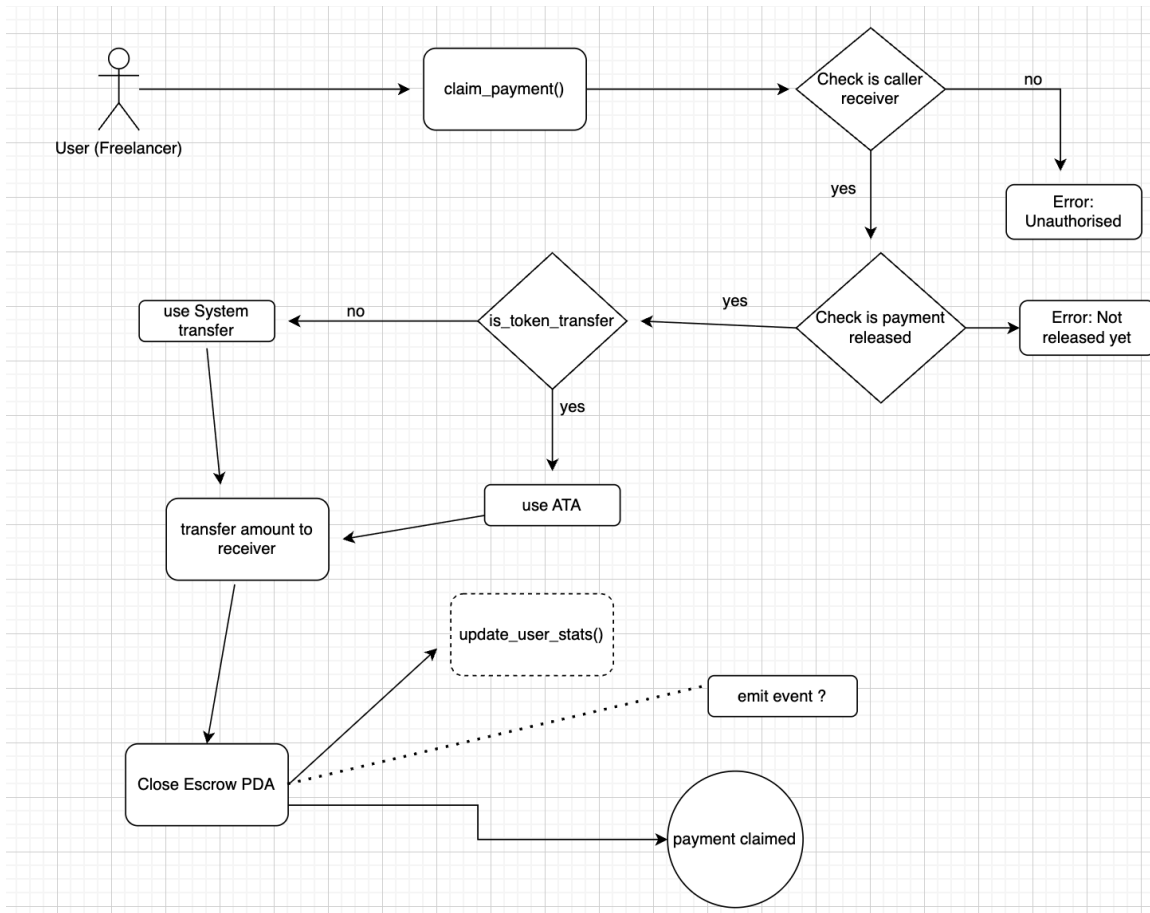
initialize_escrow()



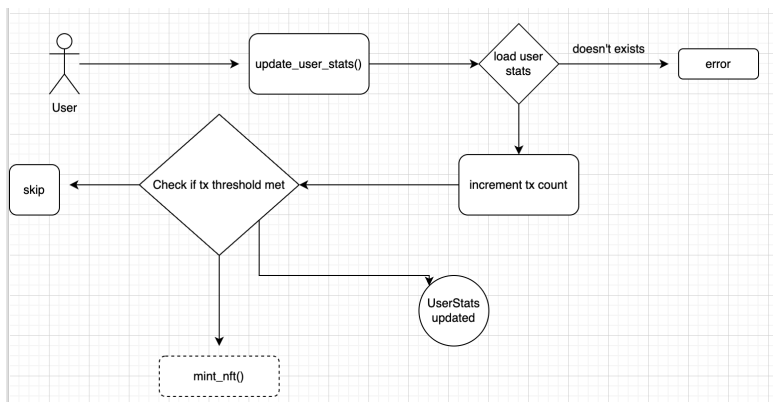
release_payment()



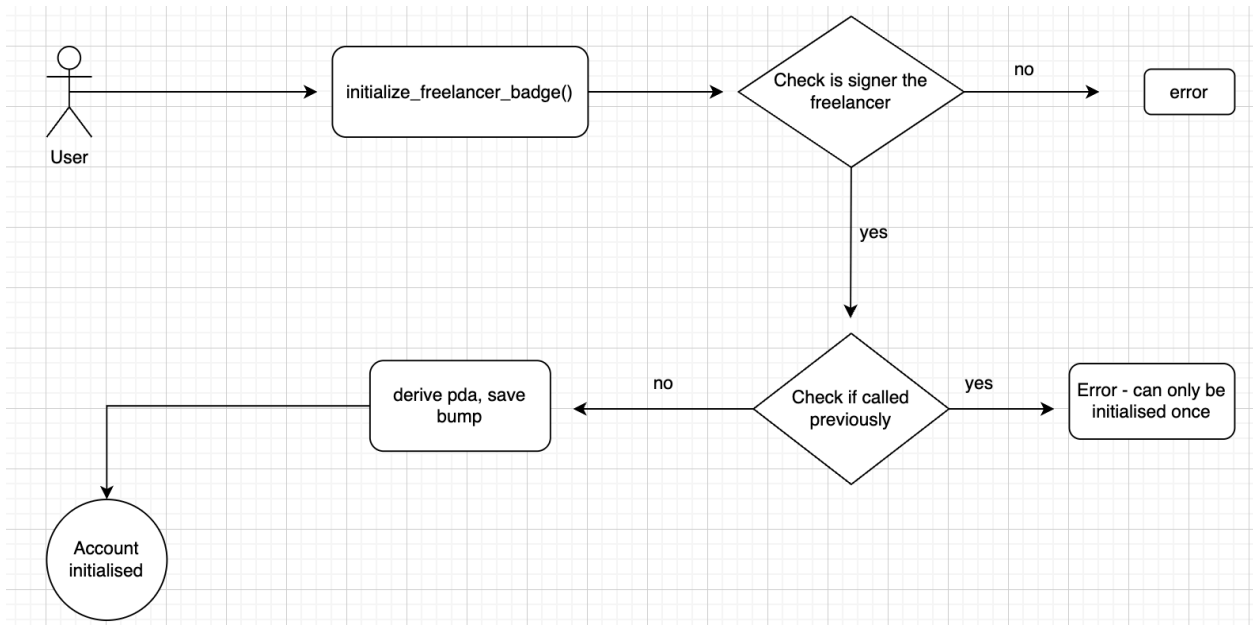
claim_payment()



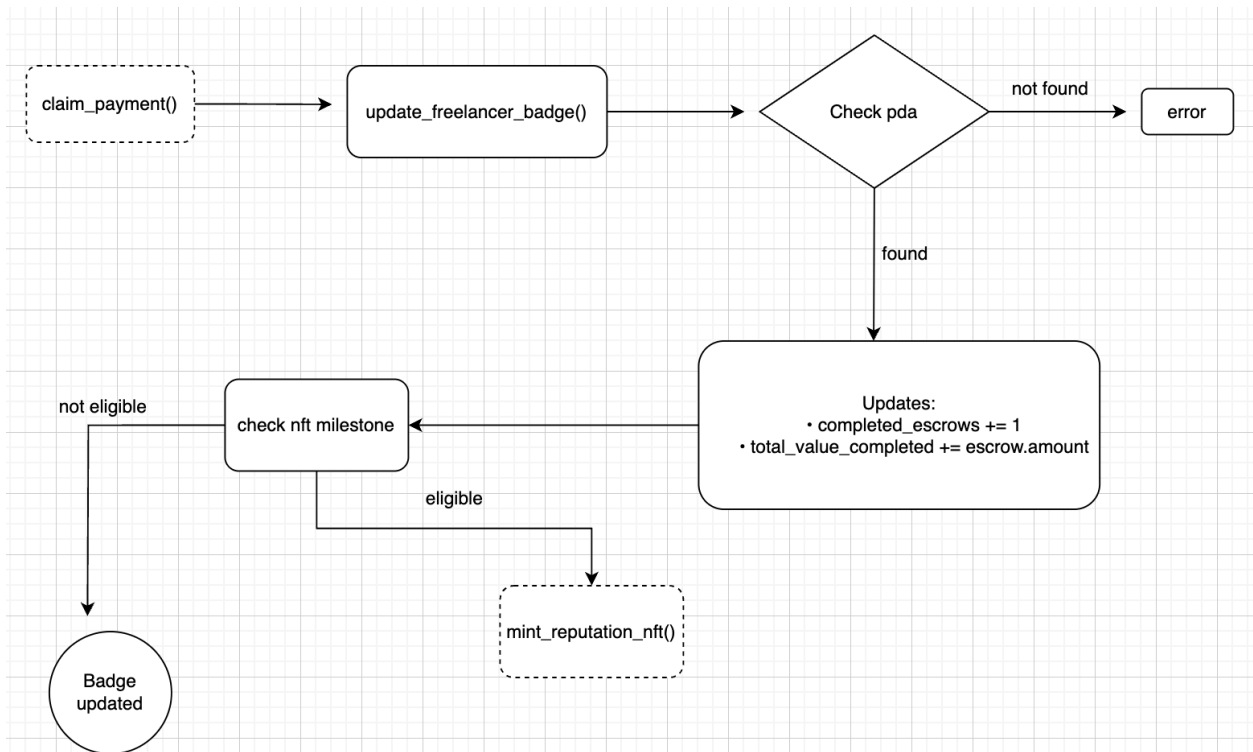
update_user_stats()



initialize_freelancer_badge()



update_freelancer_badge()



mint_reputation_nft()

