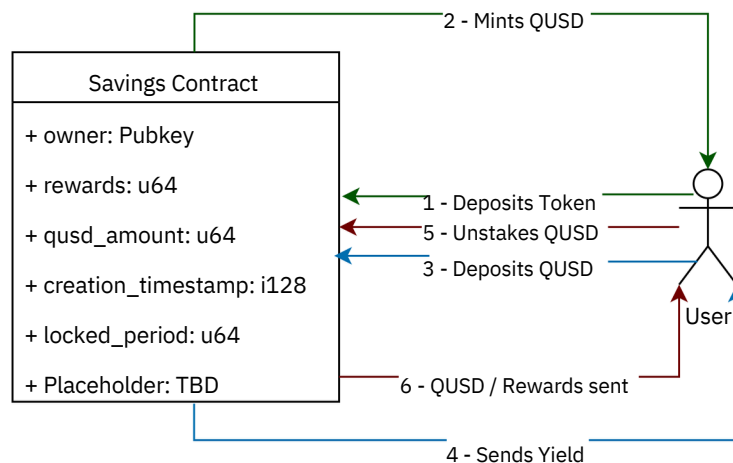


# Protocol POC Requirements

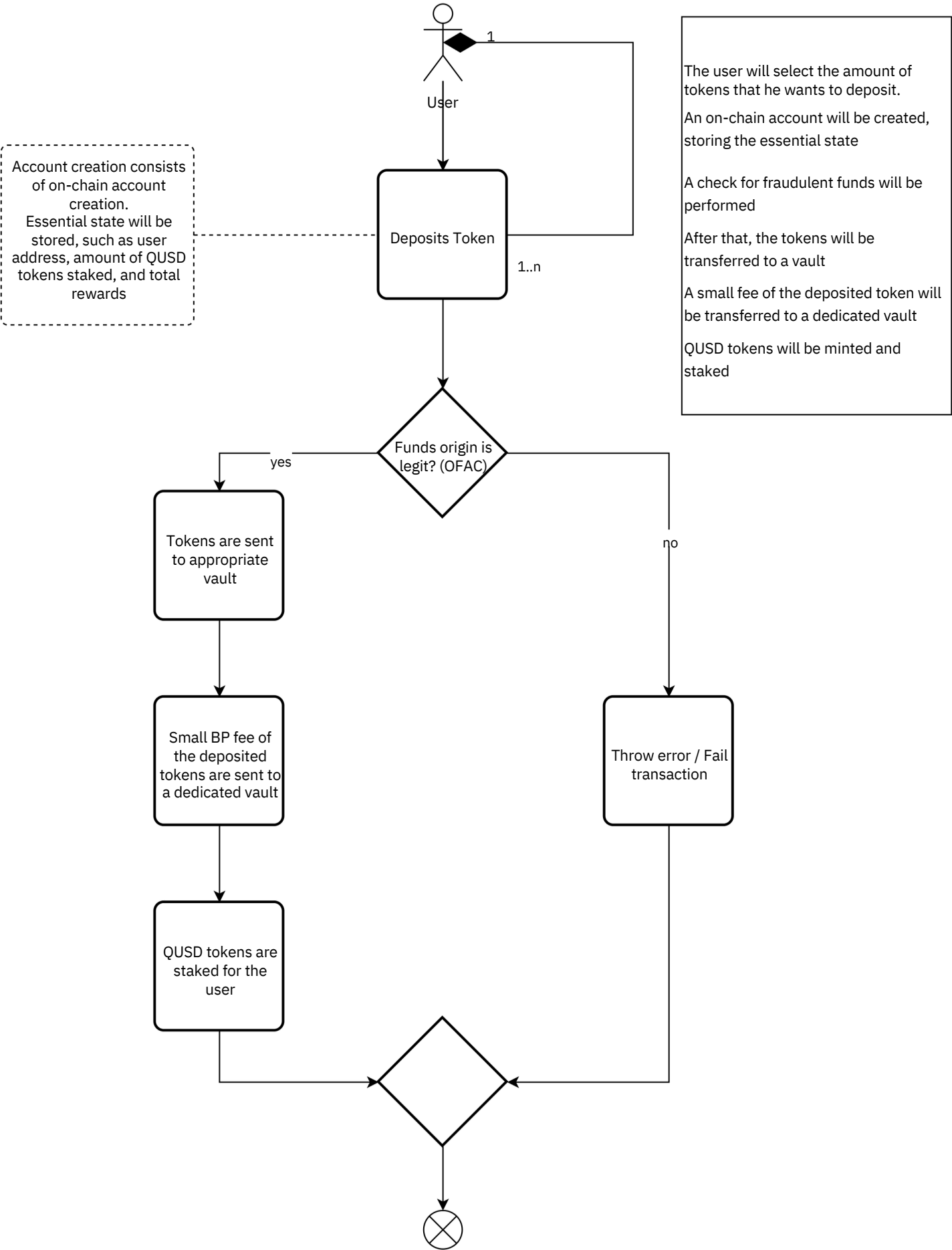
- The protocol shall allow a user to deposit / stake USDT tokens
- The protocol shall allow a user to deposit / stake USDC tokens
- The protocol shall allow a user to deposit tokens from a token address whitelist
- The protocol shall allow mint, to the depositer / staker, QUSD tokens on the same deposit ratio
- The protocol shall claim a minor mint fee on deposited tokens (TBD somewhere between 10 and 50 basis points)
- The protocol shall have a separate vault where the deposit fees will be stored
- The protocol shall use OFAC to mitigate possible sanctioned funds being deposited
- The protocol shall allow a user to stake their QUSD in order to get yield
- The protocol shall allow a user to claim their QUSD
- The protocol shall charge a early redemption fee, if the user claims their QUSD before a locked period has been elapsed

## Overview

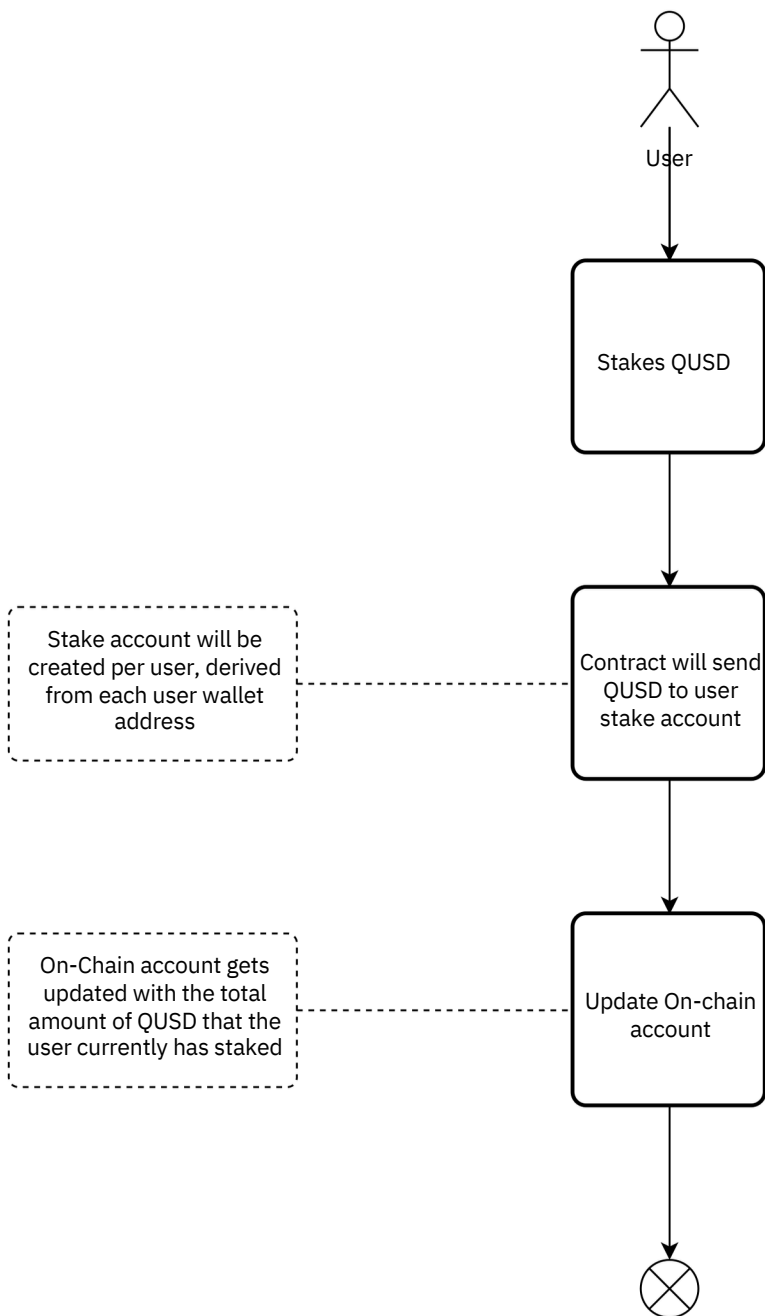


- 1 - User Deposits Tokens (USDC / USDT)
  - On-chain protocol account gets created
  - Tokens and fees are deposited in separate vaults
- 2 - QUSD is minted to the user
  - Contract will mint QUSD
  - Contract will stake the tokens to the user in order to allow users to start earning straight away
- 3 - User deposits QUSD
  - Contract will stake the tokens to the user
- 4 - Contract calculates user rewards
  - Contract will calculate user rewards, based on his current amount of staked QUSD
  - User will be able to manually claim rewards on the protocol website
- 5 - User unstakes QUSD
  - Contract will check if locking period has been elapsed, and charge an early redemption fee if necessary
- 6 - QUSD / Rewards sent
  - Upon withdrawal request of all the staked QUSD, the contract will send all the QUSD as well as any remaining rewards to the user

# Deposit USDC / USDT



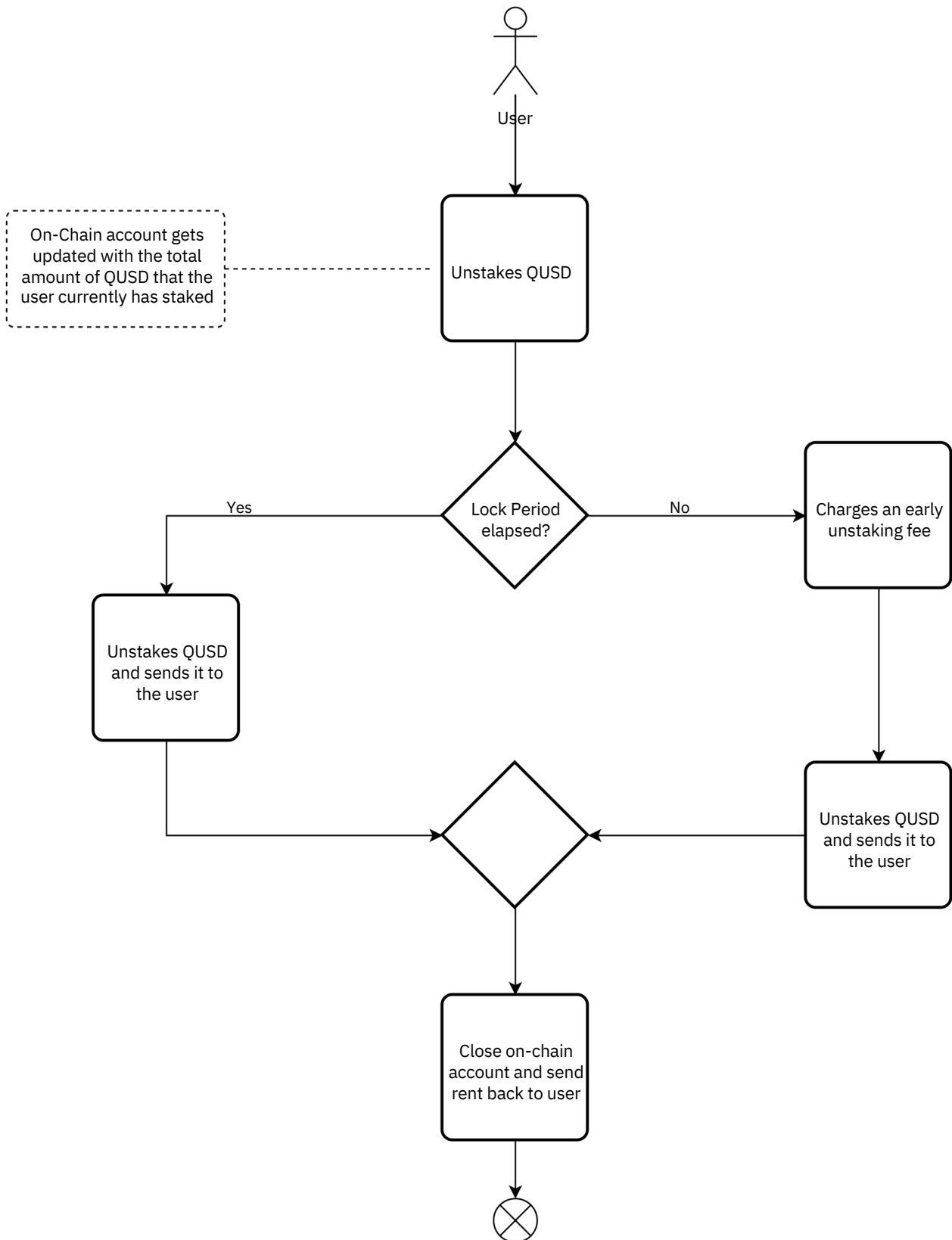
# Stake QUSD



The user will be able to stake QUSD

Upon staking the tokens, the user account will be updated with the amount of QUSD that the user has

# Unstake QUSD



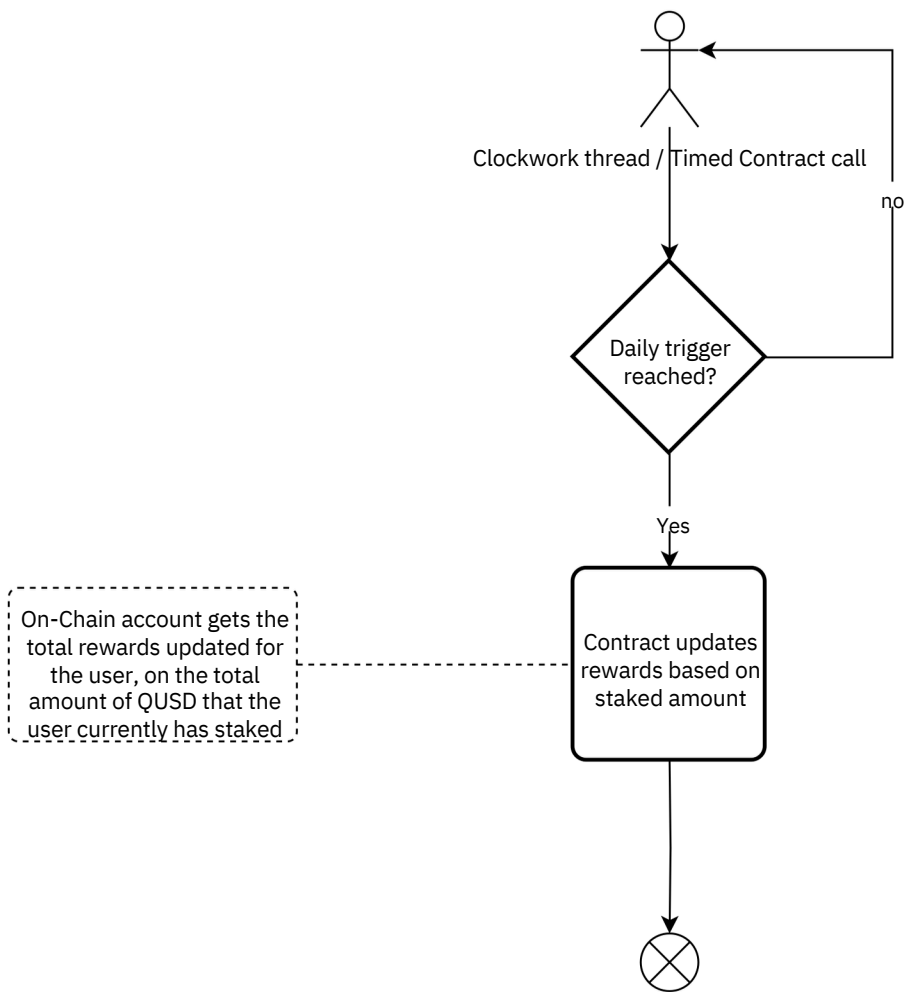
The user will be able to unstake QUSD

The contract will evaluate if the staking lock period has been elapsed.

If the lock period has not elapsed, an early unstaking fee will be charged and the tokens will be unstaked.  
If the lock period has elapsed, the tokens will be unstaked without charging any unstaking fee.

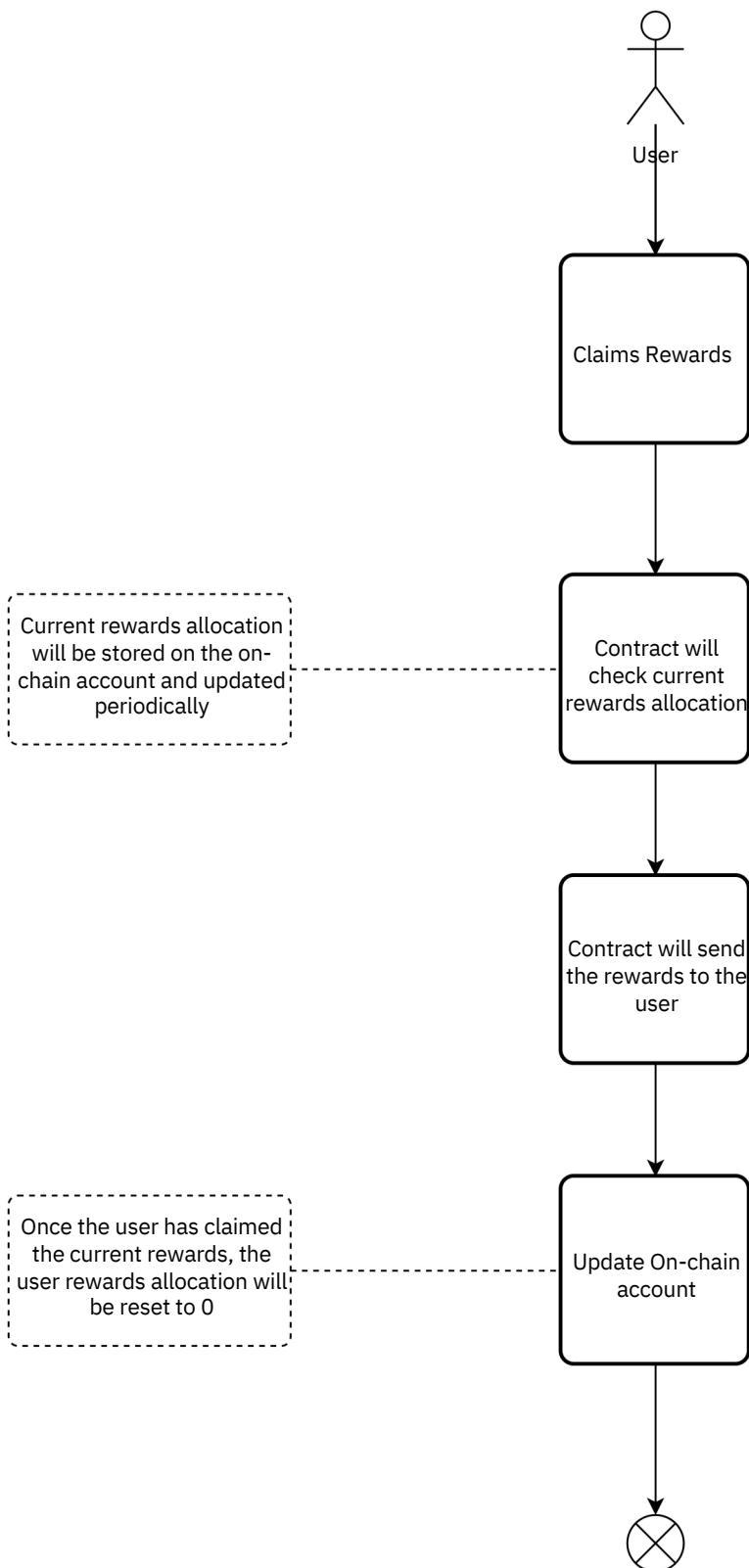
Upon unstaking all the tokens, the user on-chain account will be deleted

# Distribute Rewards



The protocol will, periodically, update the user rewards allocation based on the amount of QUSD that the user has staked

# Claim Rewards



The user will be to claim the allocated rewards.

The contract will check the current allocated rewards and will send those to the user.

The user rewards allocation will then be reset to 0.

# End to end overview

- 1 - User Deposits Tokens (USDC / USDT) 2 - POC Protocol will store the
- tokens in an guardian multi-sig vault and update the user on-chain account
- 3 - Funds from the Guardian multi-sig vault will be used to buy USD\*
- 4 - The bought USD\* will be sent to the POC Protocol USD\* Pool
- 5 - User can manually claim rewards based on their allocation (amount of QUSD)

