Tita Requirements

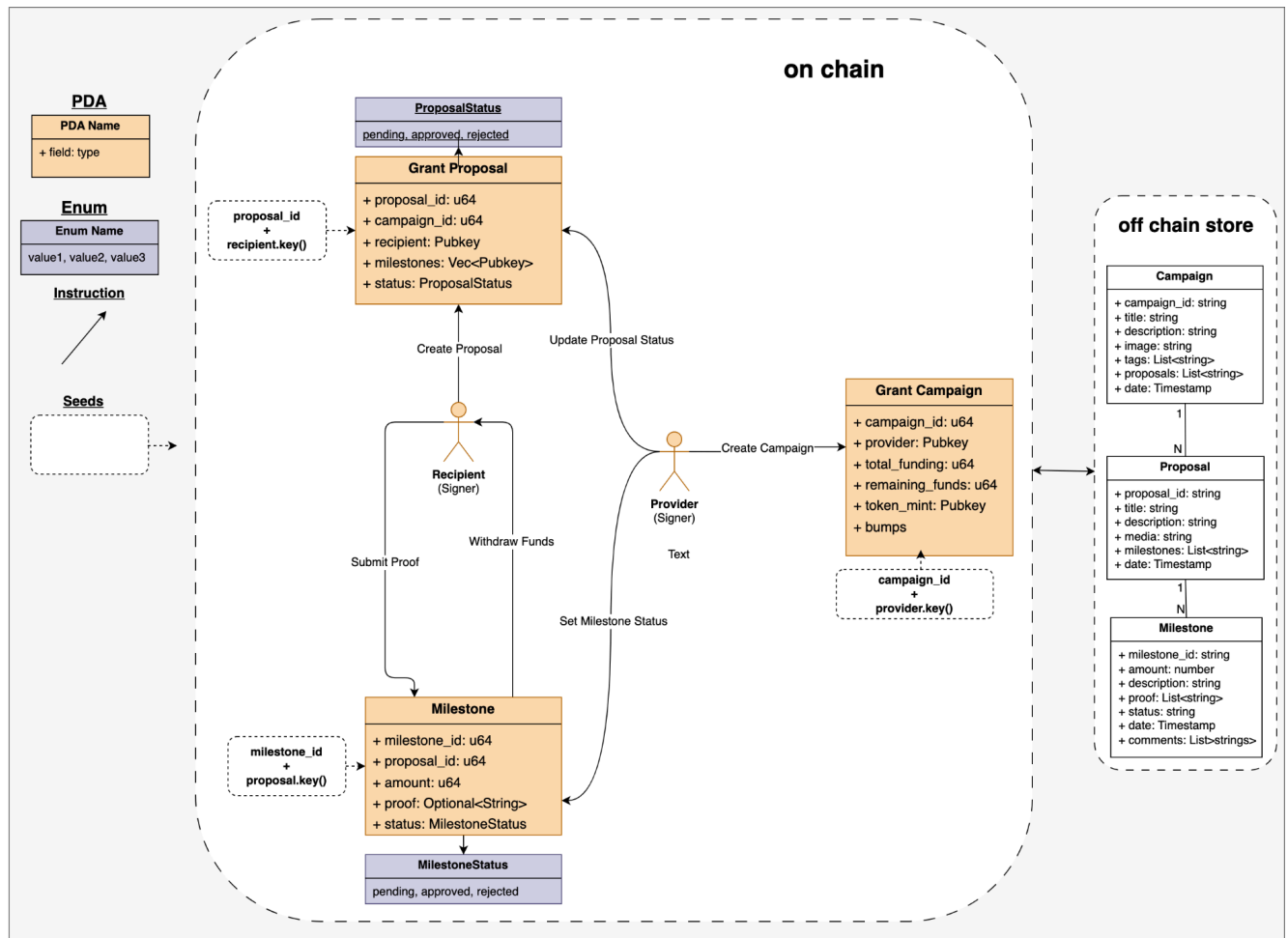1. **Grant Providers:**
   - Can create grant campaigns with a title, description, and funding amount.
   - Can view and filter grant proposals submitted by recipients.
   - Can approve or reject grant proposals based on predefined criteria.
   - Can review evidence submitted by recipients for milestone completion.
   - Can approve or reject milestone completion, triggering fund release via smart contracts.

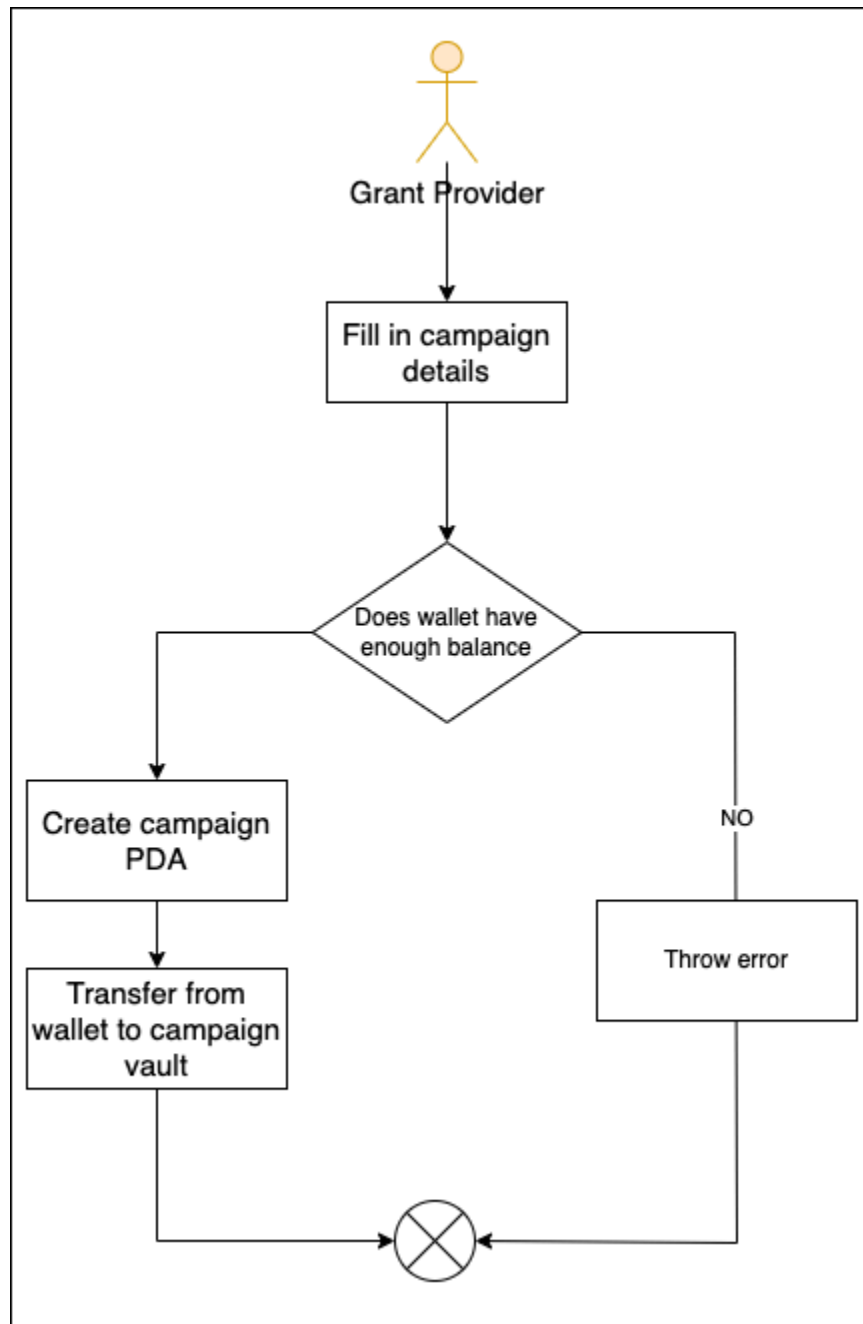2. **Grant Recipients:**
   - Can browse and apply for open grants by specifying project details, milestones, and expected outcomes.
   - Can view their approved grants and associated milestones.
   - Can upload evidence (e.g., documents, reports) for completed milestones.
   - Can submit milestones for validation.
   - Automatically receive funds upon milestone approval via smart contracts.
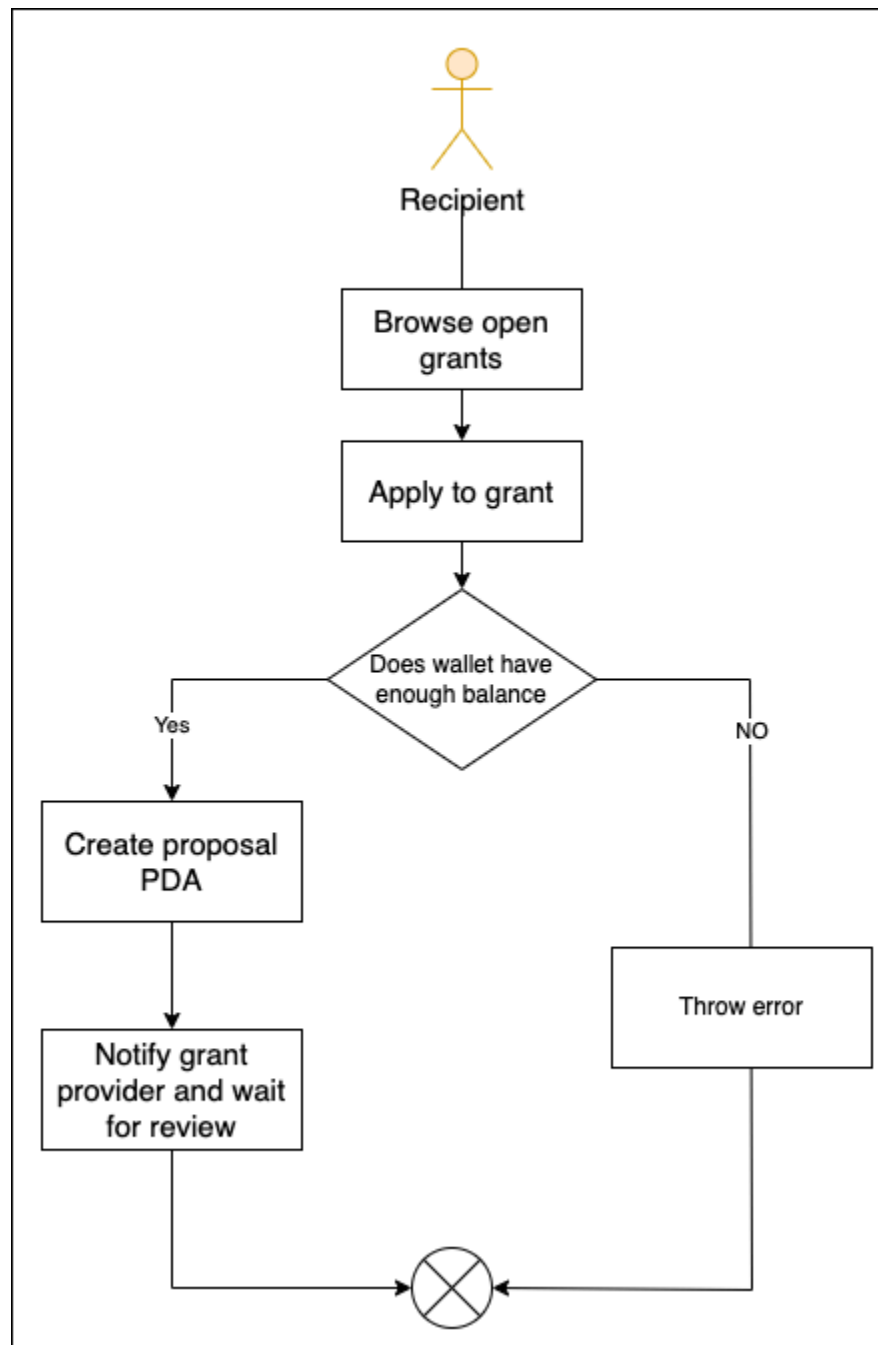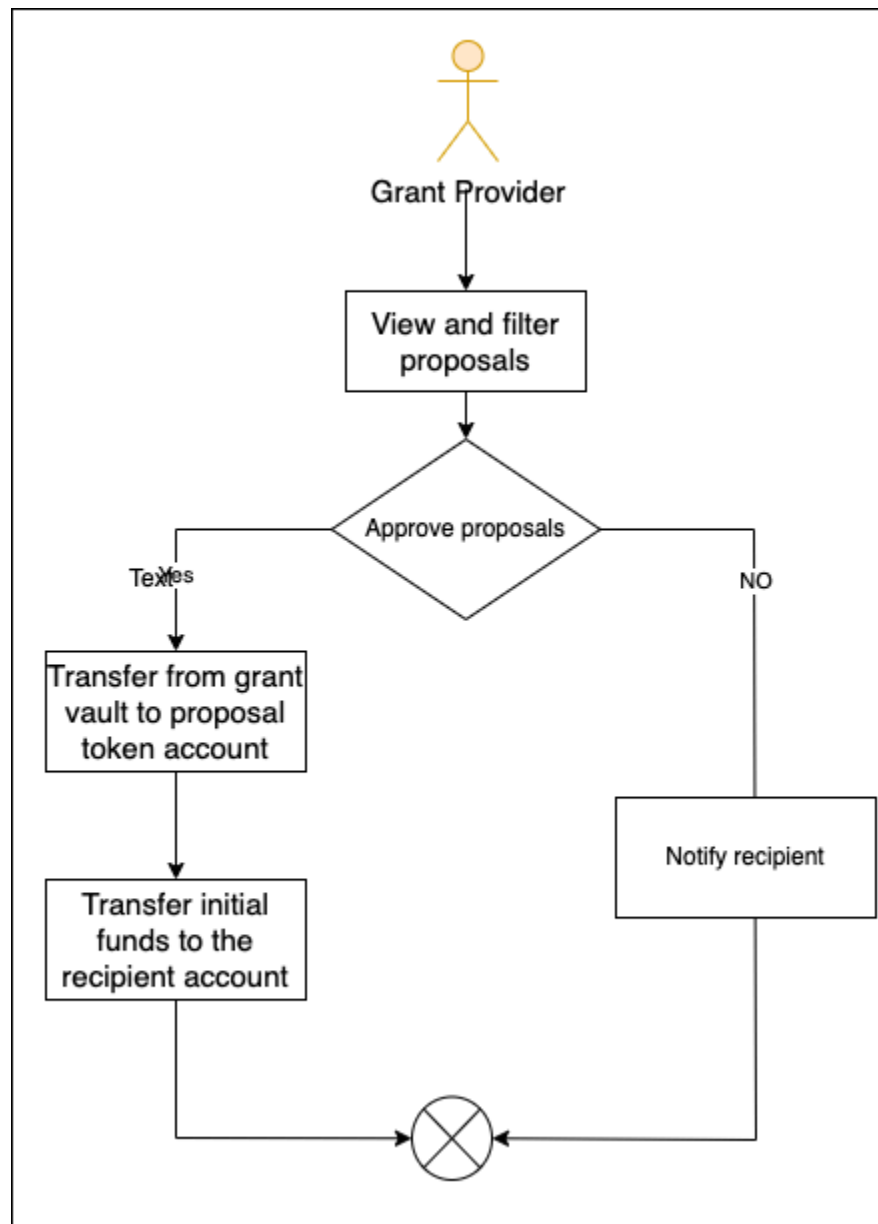
Overview

on chain

PDA

PDA Name
+ field: type

Enum

Enum Name
value1, value2, value3

Instruction

Seeds

ProposalStatus

pending, approved, rejected

Grant Proposal

+ proposal_id: u64
+ campaign_id: u64
+ recipient: Pubkey
+ milestones: Vec<Pubkey>
+ status: ProposalStatus

proposal_id + recipient.key()

Create Proposal

Update Proposal Status

Recipient (Signer)

Submit Proof

Withdraw Funds

milestone_id + proposal.key()

Milestone

+ milestone_id: u64
+ proposal_id: u64
+ amount: u64
+ proof: Optional<String>
+ status: MilestoneStatus

MilestoneStatus

pending, approved, rejected

Set Milestone Status

Provider (Signer)

Create Campaign

Text

Grant Campaign

+ campaign_id: u64
+ provider: Pubkey
+ total_funding: u64
+ remaining_funds: u64
+ token_mint: Pubkey
+ bumps

campaign_id + provider.key()

off chain store

Campaign

+ campaign_id: string
+ title: string
+ description: string
+ image: string
+ tags: List<string>
+ proposals: List<string>
+ date: Timestamp

1

N

Proposal

+ proposal_id: string
+ title: string
+ description: string
+ media: string
+ milestones: List<string>
+ date: Timestamp

1

N

Milestone

+ milestone_id: string
+ amount: number
+ description: string
+ proof: List<string>
+ status: string
+ date: Timestamp
+ comments: List>strings>

Create Grant Campaign

Create Proposal

Recipient

Browse open grants

Apply to grant

Does wallet have enough balance

Yes

NO

Create proposal PDA

Notify grant provider and wait for review

Throw error

Update Proposal Status

Grant Provider

View and filter proposals

Approve proposals

Text Yes

NO

Transfer from grant vault to proposal token account

Transfer initial funds to the recipient account

Notify recipient

Submit Proof

Set Milestone Status