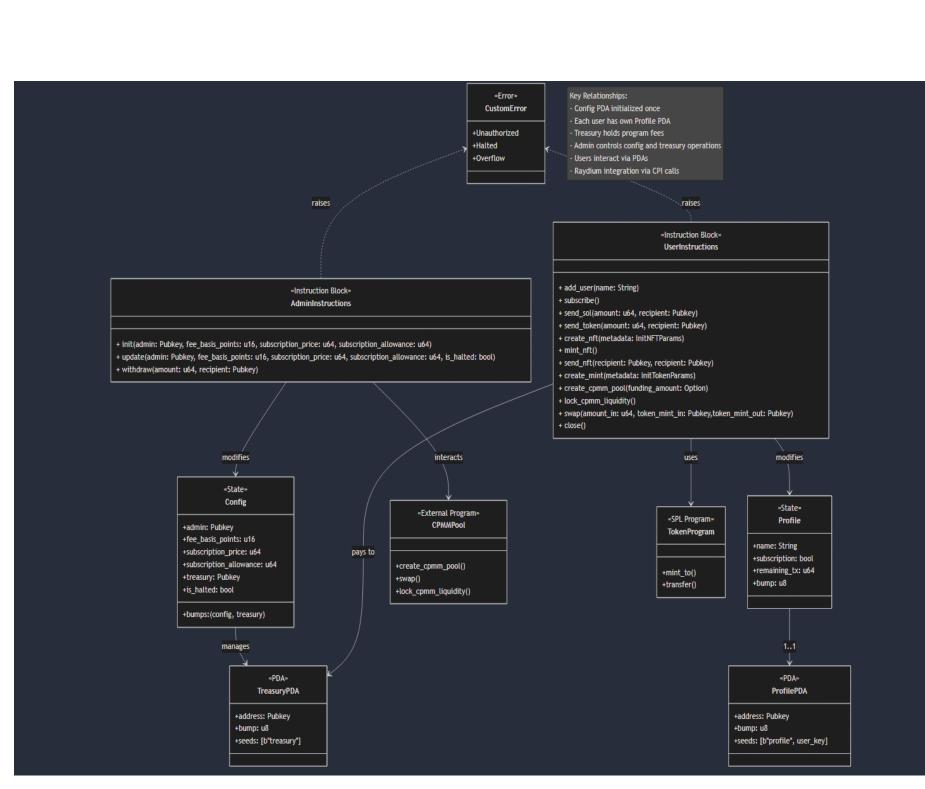
Sagent POC Requirements

•	The platform shall allow users to interact with the Solana blockchain through a Large Language Model (LLM) chatbot, using
	text commands.

- The platform shall support a variety of blockchain tasks, including sending/receiving tokens, creating NFTs, launching tokens, and executing DeFi swaps.
- The chatbot shall be capable of understanding and interpreting natural language user requests related to supported blockchain tasks.
- The platform shall integrate with a browser wallet (e.g., Phantom) for secure transaction signing and user authorization.
- The platform shall prioritize ease of use, efficiency, security, and accessibility for users with varying levels of blockchain expertise.

Overview



Step 1: Config Initialization

Actor: Admin

• Action: Initialization of the config with admin, fees, subscription price &

allowance

Step 2: Profile Initialization

Actor: User

Action:

• create the profile with their name as a parameter to create the profile PDA

Step 3: User Subscribes (Optional)

Actor: User

Action:

• Transfer Subscription Price amount to the treasury

• Adjust Users profilePDA with allowance and subscription status

Step 4: User sends SOL

• Actor: User

Action:

• Check if config is not halted and base fee

- Check Profile if user is subscribed
- Performs function and takes fee if not subscribed; deduct remaining tx if sub

Step 5: Create Token

Actor: User

Action:

- Parses parameters from user
- Passes them to create metadata
- Performs CPI with new metadata to Raydium Create CPMM
- Performs Lock CPI with LP tokens through CPI
- Returns Mint address

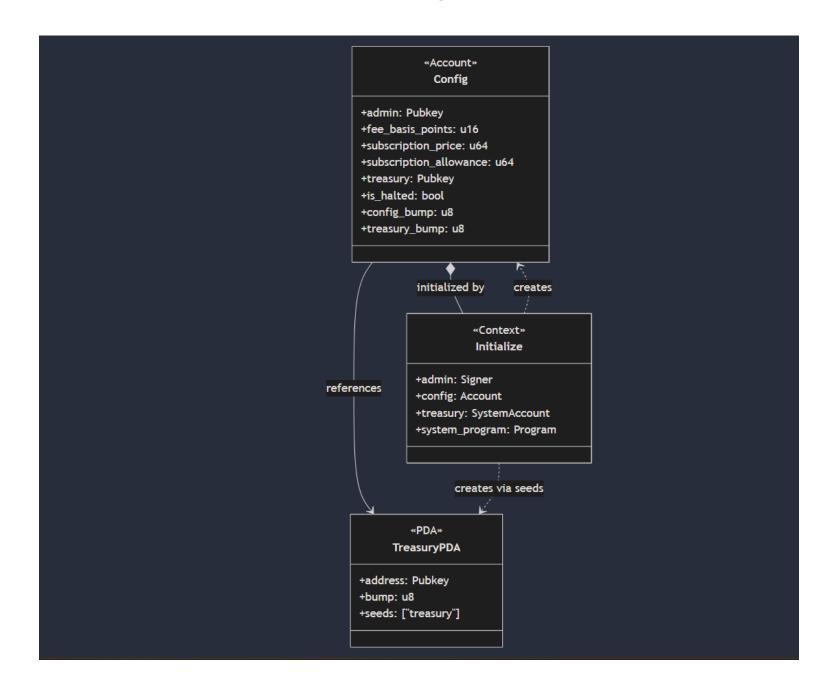
Step 6: Close

Actor: User

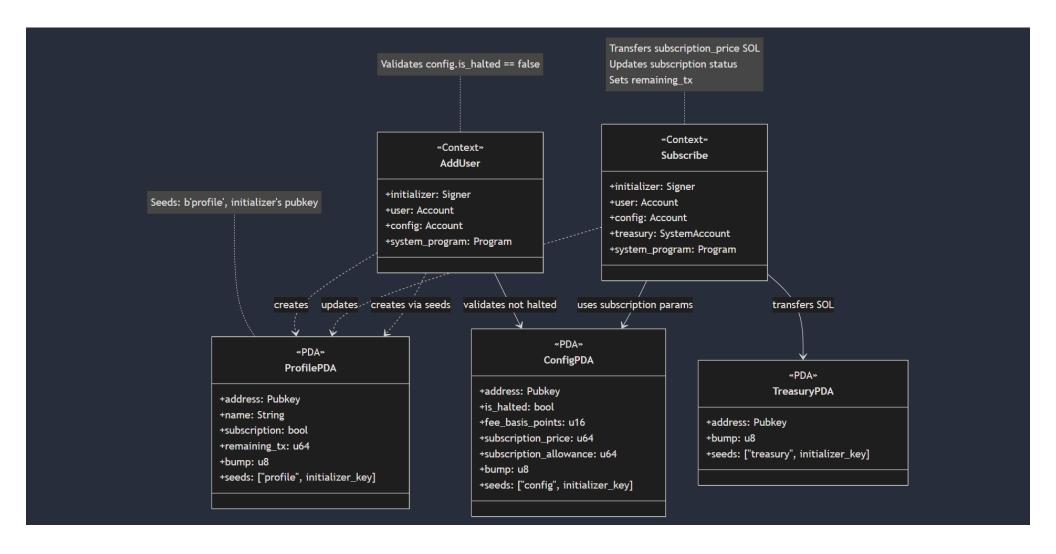
Action:

• Closes Profile PDA

Config State



Profile State



Instructions

