PROTOCOL POC REQUIREMENTS

The protocol shall:

- Allow registered sellers to list drone-delivery-fit items in a Solana Marketplace Dapp.
- Allow registered shoppers to add a default address for delivery.
- Allow buyers to browse listings and select items.
- Allow buyers to pay for purchases in USDC?
- Maintain transaction records on-chain?
- Charge protocol fees (%TBD) in USDC?
- Allow sellers to receive notifications when purchases are completed, so they can prepare the items for delivery.
- Allow dron owners to receive notifications when purchases are completed, to send their drones to pick up the items and transport them to the buyers.
- Allow all the users to receive notifications upon succesful delivery.
- Allow all the users to receive payments from the protocol.

OVERVIEW

7. Send instructions to the drones to deliver items

6. Load items in the dron and send confirmation to the dron owner

9. Receive payment from the protocol's escrow

Dron owners

4. Receive notifications of purchase
8. Receive notifications of succesful delivery

Protocol

5. Send drones to pick up the items

1. List items

2. Browse listings and select items

Sellers

4. Receive notifications of purchase and prepare the items for shipping
8. Receive notifications of succesful delivery

3. Complete purchase by depositing the price of the items in USDC into the protocol's escrow

Buyers

4. Receive notifications of purchase
8. Receive notifications of succesful delivery

10. Receive payment from the protocol's escrow minus protocol's fees

9. The protocol collects fees and sends them to a dedicated USDC vault