

### 1. list\_for\_sale

- Params
  - NFT List price
- Accounts
  - "Seller Account" (Signer)
  - "ProductInfo Account" (PDA)
  - "NFT Token Account" (Seller's)
  - "NFT Mint Account" (NFT Mint which seller is going to list)
  - "Vault NFT Token Account" (PDA token account which has same mint as "NFT Mint Account")
- Logic
  - Add infos to "ProductInfo Account"
  - Transfer NFT to Vault Account
  - Set Authority of Vault Account to PDA

### 2. accept\_offer

- Params
  - Offer\_Id
- Accounts
  - "Seller Account" (Signer)
  - "Site Wallet Account"
  - "Wallet Authority Account" (PDA)
  - "ProductInfo Account" (PDA)
  - "Offerer NFT Token Account"
  - "NFT Mint Account" (NFT Mint which seller is going to list)
  - "Vault NFT Token Account" (PDA token account which has same mint as "NFT Mint Account")
  - "Vault Authority Account" (PDA which is authority of Vault Token Account)
- Logic
  - Transfer SOL from "Site Wallet Account" to "Seller Account"
  - Transfer NFT from "Vault NFT Token Account" to "Offerer NFT Token Account"
  - Close "ProductInfo Account" (PDA)

### 3. make\_offer

- Params
  - Offer Price
- Accounts
  - "Offerer Account" (Signer)
  - "Site Wallet Account"
  - "NFT Mint Account"
  - "Offerer NFT Token Account"
  - "ProductInfo Account" (PDA)
- Logic
  - Add Offering infos to "ProductInfo Account"

- Transfer SOL as amount of Offer Price to “Site Wallet Account”

#### 4. cancel\_offer

- Params
  - Offer Id
- Accounts
  - “Offerer Account” (Signer)
  - “Site Wallet Account”
  - “Wallet Authority Account” (PDA)
  - “NFT Mint Account”
  - “ProductInfo Account” (PDA)
- Logic
  - Remove Offering info from “ProductInfo Account”
  - Withdraw SOL from “Site Wallet Account” to “Offerer Account”

#### 5. cancel\_list\_for\_sale

- Params
- Accounts
  - “Seller Account” (Signer)
  - “ProductInfo Account” (PDA)
  - “NFT Token Account” (Seller’s)
  - “NFT Mint Account” (NFT Mint which seller is going to list)
  - “Vault Token Account” (PDA token account which has same mint as “NFT Mint Account”)
  - “Vault Authority Account”
- Logic
  - Close “ProductInfo Account”
  - Transfer NFT from “Vault Token Account” to “NFT Token Account”