App Launch

- **Root/ Jail Break Detected?**
  - Yes → **Clean App Data** → **Close The app**
  - No → **App Sign Certificate own by Mully?**
    - No → **Clean App Data** → **Close The app**
    - Yes → **Generate Master Key Without Pin**

Decrypt local storage file with unlock data

- **Lock Mode enable?**
  - No → (Can decrypt database with Master Key?)
  - Yes → **FingerPrint ?**
    - No → **Enter PIN is allowed by the time and tries amount?**
      - No → **Show Wait alert with message**
      - Yes → **Show Enter Pin Screen**
        - **is it ALERT PIN?**
          - Yes → **Make Alert Logic**
          - No → **PIN is valid?**
            - No → **Should we clean App Data?**
              - Yes → (clean)
              - No → (back to Enter PIN)
            - Yes → **Reset max tries counter and time limitation**
    - Yes → **FingerPrint max tries <=6**
      - No → **Enter PIN is allowed...**
      - Yes → **Show FingerPrint Screen**
        - **entity is valid ?**
          - No → **FingerPrint max tries <=6**
          - Yes → **Reset max tries counter and time limitation**

Reset max tries counter and time limitation
- → **Generate Master Key With PIN**

Generate Master Key Without PIN

- **Can decrypt database with Master Key?**
  - No → (back to Reset max tries / PIN)
  - Yes → **Seed Phrase exist?**
    - No → **Show New User Main Screen**
      - → **Restore Seed Selected**
      - → **Generate Seed Selected**
        - **Seed is valid?**
          - No → (Restore Seed Selected)
          - Yes → **Get UserID from Core**
    - Yes → **Get UserID from Core**

- **Get UserID from Core**
  - **JWT Token exist?**
    - Yes → **Make getWallets request**
    - No → **Make AUTH request** → **Make getWallets request**

- **Make getWallets request**
  - **wallets exist?**
    - No → **Show Empty Main Screen**
    - Yes → **Show Main Screen with Wallets**

Transaction Status	Backend	Client

Section 1

Transaction in MemPool

Addres in Transaction is belong to our client?

Mark transaction as pending

Save UNTXO for address with Type: can't spend

Client WS connected?

Send Push notification about new income transaction

Send WS event PENDING TRANSACTION and UNTXO with can't spend type

Client:
- Mark transaction as pending
- Save UNTXO as can't spend
- Show in UI pending TX
- Show in UI new wallet Amount (Divide amount as actual and pending)
- Don't allow use UNTXO

Section 2

Transaction in Block with higher N, 1 <= N < 6

Addres in Transaction is belong to our client?

Mark transaction as got N confirmation

Client WS connected?

Do nothing

Send WS event PENDING TRANSACTION with N confirmations

Client:
- Mark transaction as received with N confirmations
- Show in UI received TX with N confirmations
- Show in UI new wallet Amount (Divide amount as actual and pending)
- Don't allow use UNTXO

Section 3

Transaction in Block with higher N, N == 6

Addres in Transaction is belong to our client?

Mark transaction as totally confirmed

update UNTXO with type can spend

Client WS connected?

Send Push notification about money totally received

Send WS event RECEIVED TRANSACTION and UNTXO with can spend type

Client:
- Mark transaction as totally received
- update UNTXO as can spend
- Show in UI new wallet Amount with total balance
- Allow use UNTXO

Realtime Board