Moi Requirements Document

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Purpose of Product:

Using Blockchain technology to provide a single, secure place for users to store their identity, as well as provide an API to verify identities.

Minimum Viable Product:

1. Scan ID document
2. Facial Recognition
3. Profile view
4. Key Generation
5. Verify Keys
6. Blockchain

End-to-End Roadmap:

User:
- Info fields
  - Name
  - Address
  - Phone
  - Email
  - ID number
  - SSN? (This would be more for easily integrating with legacy systems)
  - Photo
  - Block info

- ID view
  - Scan ID

- FaceRec view
  - Scan Face
  - Verify Face against ID photo
    - If good, proceed

- Confirmation view
  - Display stored data to verify

- Rescan if discrepancy. No manual entry (This could be allowed through machine learning)

- Home Screen
  - Display info
  - Option to disable keys
  - Customize data returned from "current info" key
  - Generate 1-use tokens and multi-use current info token

Machine Learning
- Model facial recognition
- Monitor for fraudulent activity

Blockchain:
- Store user data
- Encrypt user data
- Distribute user data between several devices
- Retrieve data recursively through neighboring nodes

Technical Requirements:
- iOS/Swift
- No server/db, BLOCKCHAIN

API:
- Correctly return information requested based on given key
- Interface with Blockchain