**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