Implementing Blockchain as an Alternative to Academic Transcript

Team: NULL

Members: Jonathan C., Andrew F., Angela T., and Vananh V.

Outline

- Recap: What is our project about?
- Roles, Tools and Languages
- Current Progress
- What's next?
- Goals
- Timeline

Recap: The Problems with Paper Transcripts



Recap: Our Solution



Roles, Tools, and Language

Programming Language:



Platforma: Linux, MacOS

Tools: PyQt5



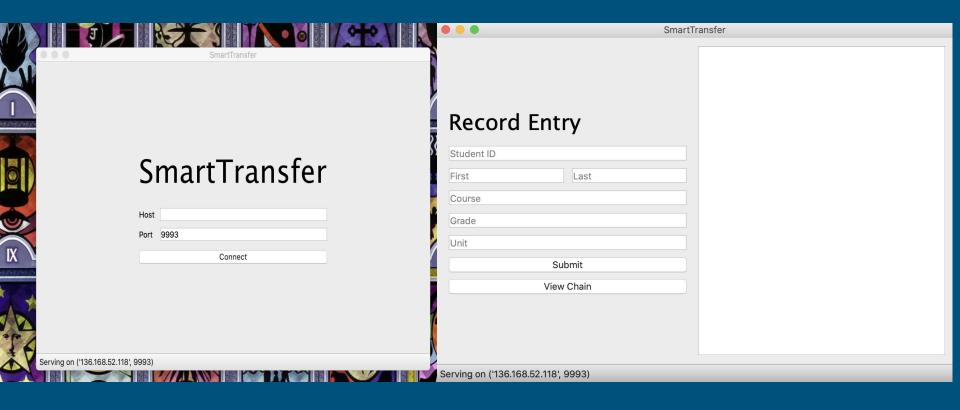
Roles:

- Networking: Andrew & Jonathan
- Data Structure: Vananh
- Front-end: Angela & Vananh

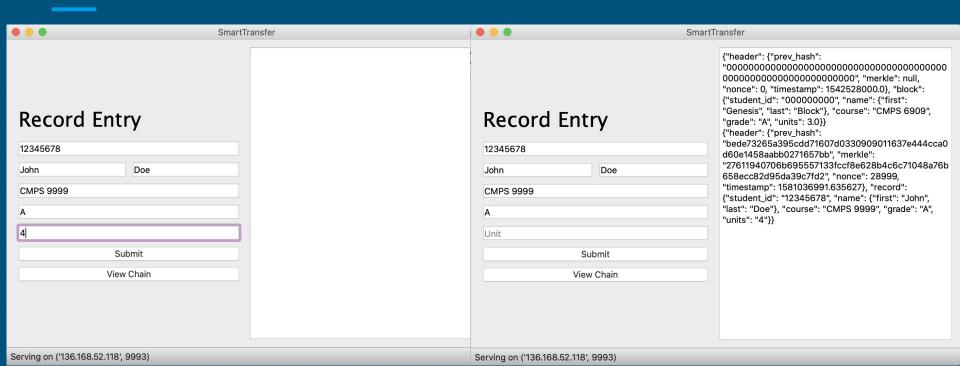
Current Progress

- Estimate Completion: 60%
- What's new?
 - Having a basic UI.

Current Basic UI



Current Basic UI (cont.)



Current Basic UI (cont.)

	SmartTransfer
Record Entry 9876543 Jane Lol CMPS 1111 B- Unit Submit View Chain	"units": "4"}} {"header": {"prev_hash": "00000000000000000000000000000000
Serving on /136 168 52 1181 0003)	
Serving on ('136.168.52.118', 9993)	

Screenshots of UI

HomeChoice

TransferLink

Make a Transaction

Search a Transaction

MakeTransaction

Make a Transaction

Please input all class information before proceeding.

Course Information

Course Subject:

Course Number:

Course Title:

Total Units: 0 \$

Grade Earned

Units Earned 0 0

Semester:

Year:

Student Information

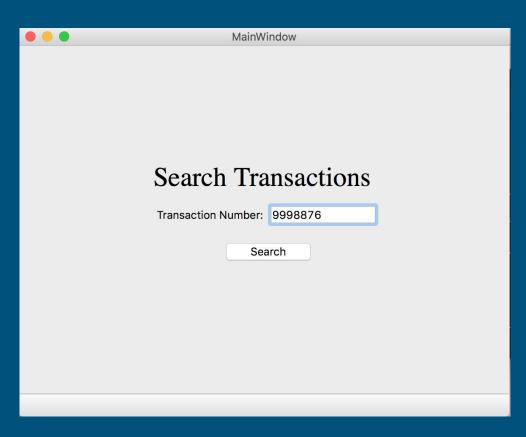
Student ID Number:

First Name:

Middle Inital:

Last Name:

Screenshots of UI



What's next?

- Fixing bugs for the backend: Connection between devices
- Storing blockchain after running the program
- Enhancing the UI

Goals

- Introduce our "proof of concept" to the Kern High Schools District,
 Bakersfield College, and CSUB
- Change our application to fit Chevron's need











Timeline

Jan-Feb 27th Complete Backend Feb-Mar 19th
Complete Frontend

March-Apr 1st Fix bugs Apr-May 6th Complete Project

Question?

