



Implementing Blockchain As An Alternative to Academic Transcripts

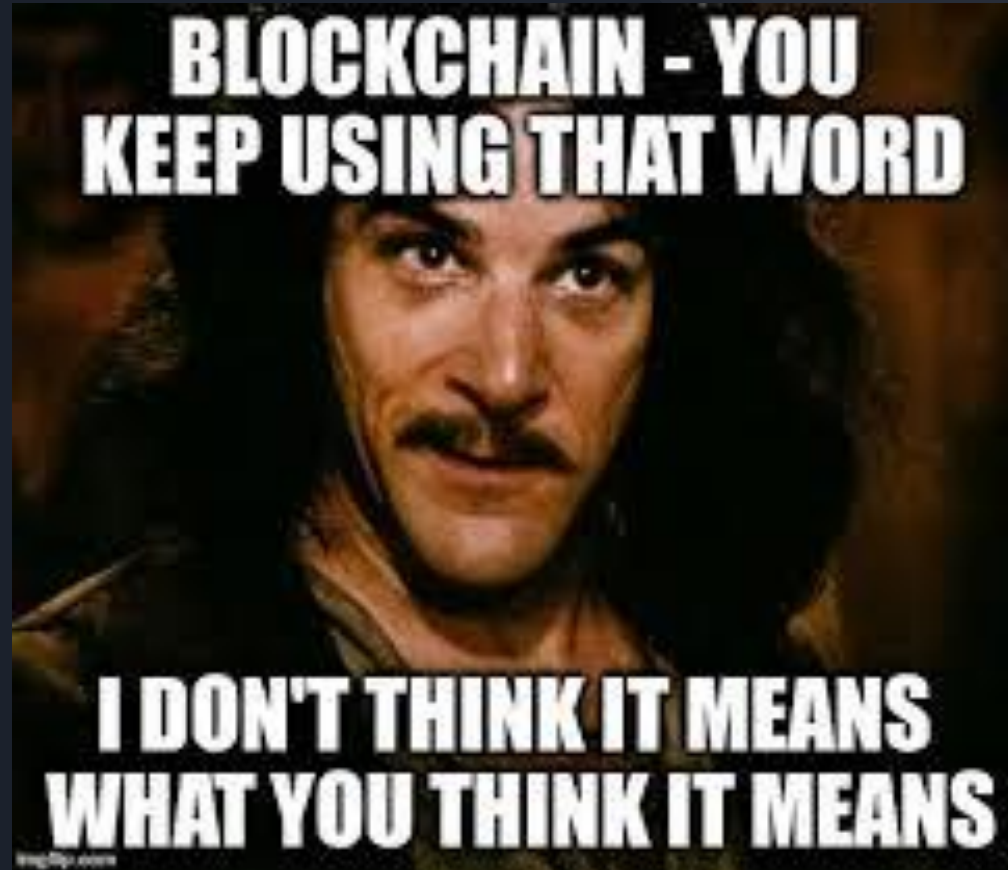
Code Name : NULL




Overview

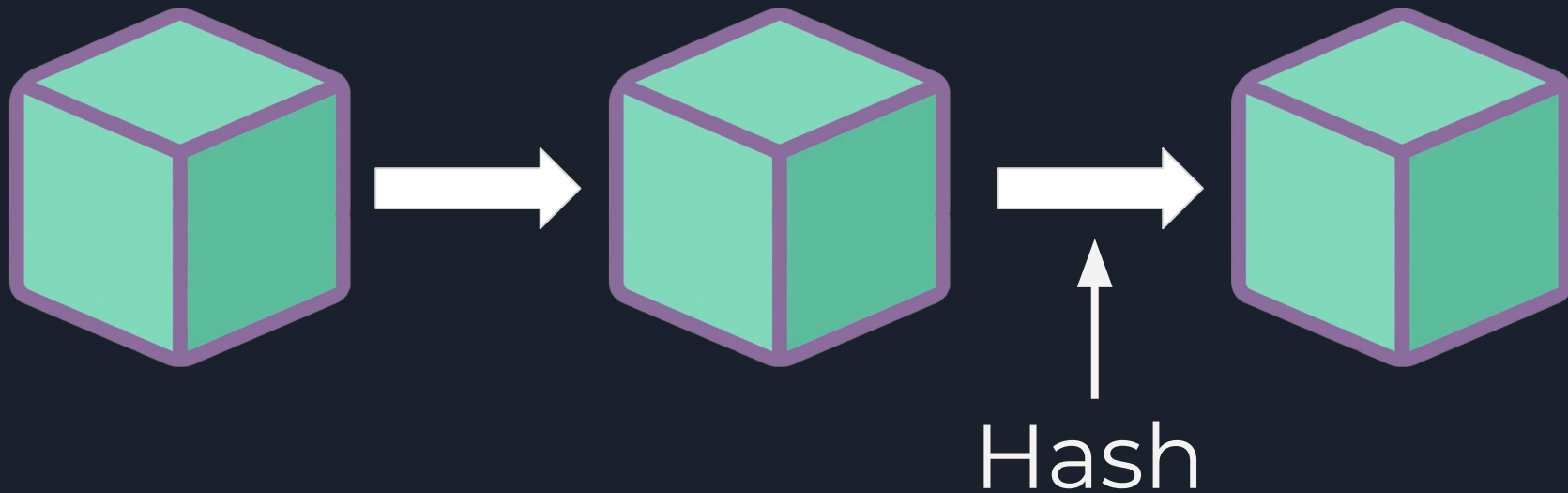
- What is a blockchain?
- Why the current transcript system is inefficient and costly
- How we plan to fix it

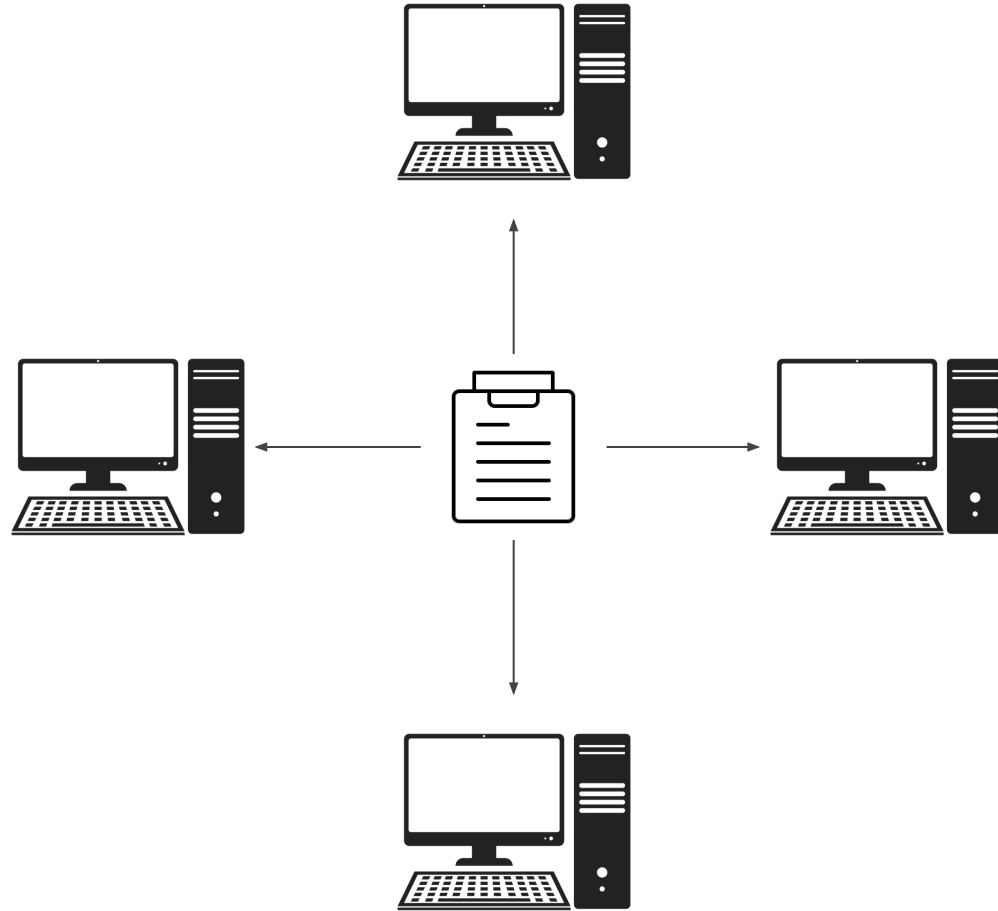
What is a blockchain?



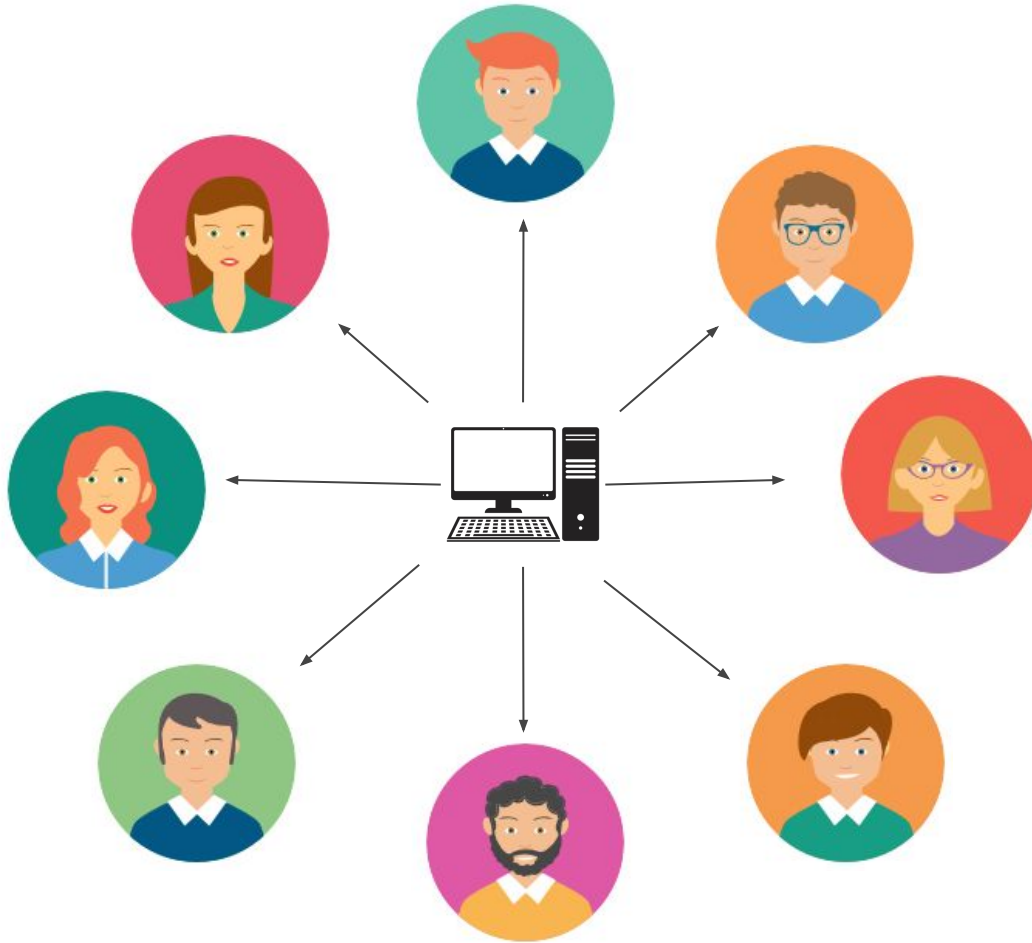


What is
Blockchain?

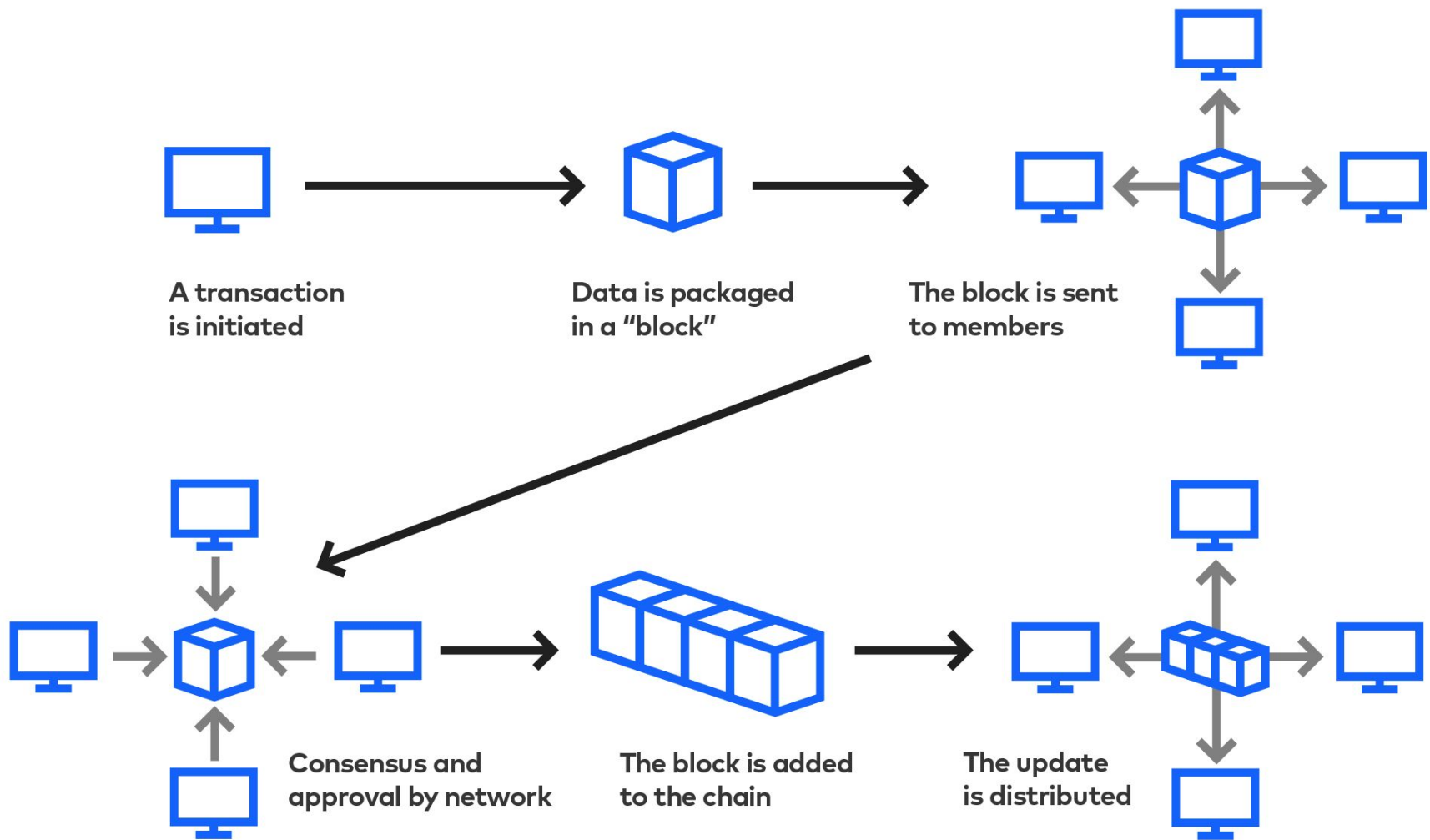




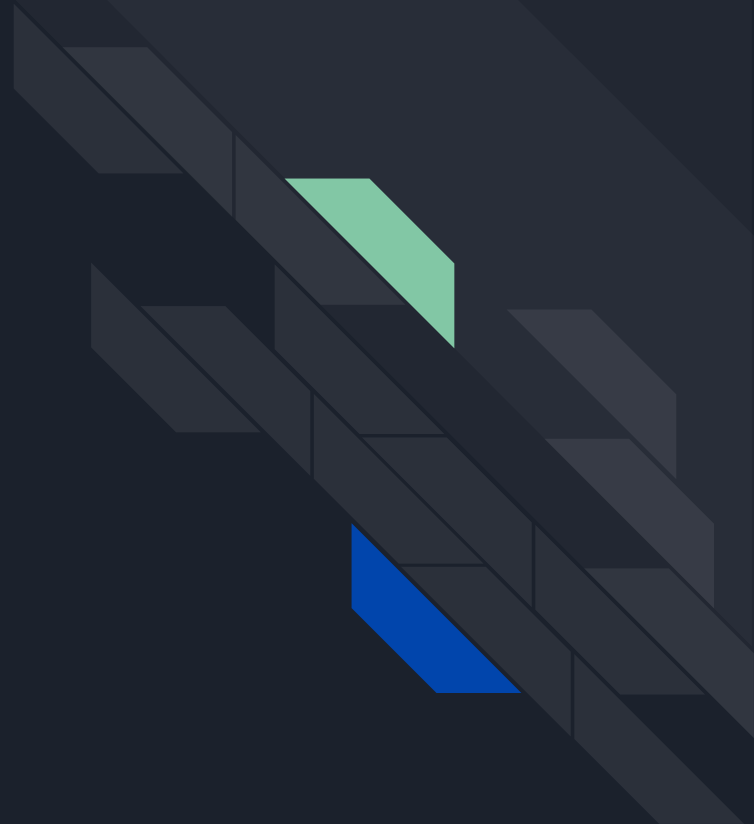
Distributed
Network



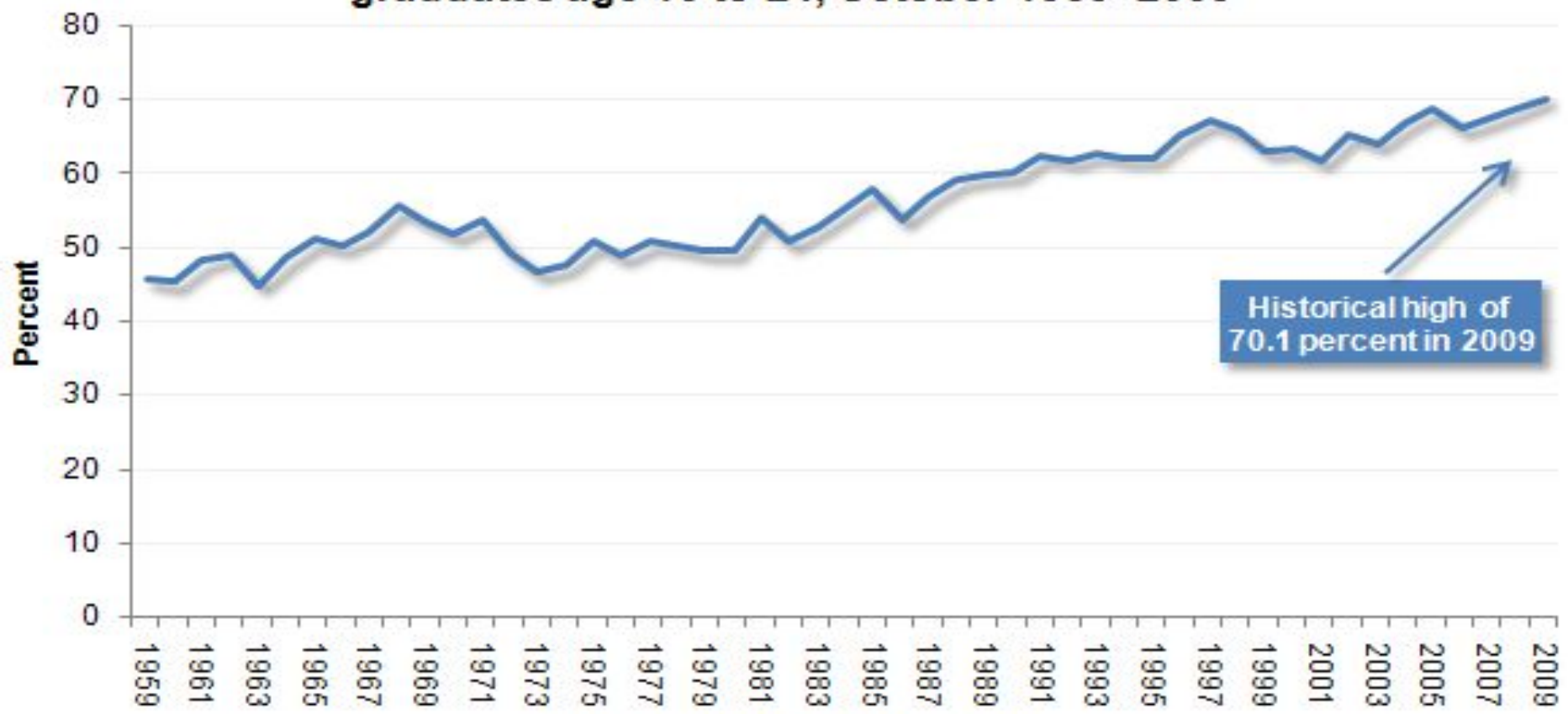
Peer to
Peer
(P2P)
Network



Why the current system for transcripts is inefficient and costly



College enrollment rate of recent high school graduates age 16 to 24, October 1959–2009



Source: U.S. Bureau of Labor Statistics





Why the current system is inefficient and costly

- Students need to pay fees to get their transcripts evaluated and cost goes up when applying to multiple institutions
- Official transcripts can get lost in the mail and a student will need to order them again then pay a fee
- Transfer students have to send in their transcripts at the beginning of the final year then once again at the end of the year
- Student records are decentralized so there is no quick and secure way to exchange records



Our Solution





Improving
Accessibility
and
Security

Our Timeline

Implement P2P Network

Basic request/response functions

Step 2

Testing Node Interactions

Merge P2P and Blockchain Structures and begin tests

Step 4

Front End Development

Design UI for blockchain client

Step 6



Step 1

Data Gathering

Student Record Requirements
How records are maintained

Step 3

Implement Fundamental Structures

Step 5

Multiple Nodes

Scale upwards to test functionality