

Megan Karbowski 4/9/18

What is Ancur

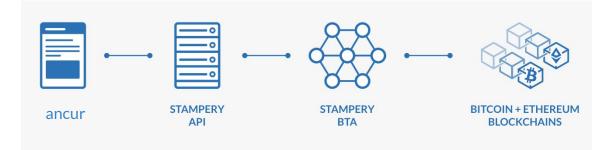
- Web application allowing users to validate documents on the blockchain
- Utilizes the Stampery API
- Provide Stamps
 - Embed hashes of file into the Ethereum and Bitcoin blockchain
 - Proof of existence, integrity and ownership of data
- Provide stamp verification & Receipts
 - o Confirm the stamp was anchored on Bitcoin and Ethereum blocks



Stampery API

- Blockchain-powered, industrial-scale certification platform
- Stamping process
 - Hash → transaction in next ETH & BTC block
- Blockchain Timestamping Architecture
 - Aggregates hashes inside Merkle tree returns Merkle root
- Receipts
 - Merkle root & proofs
 - BTC/ETH anchors





Project Goals

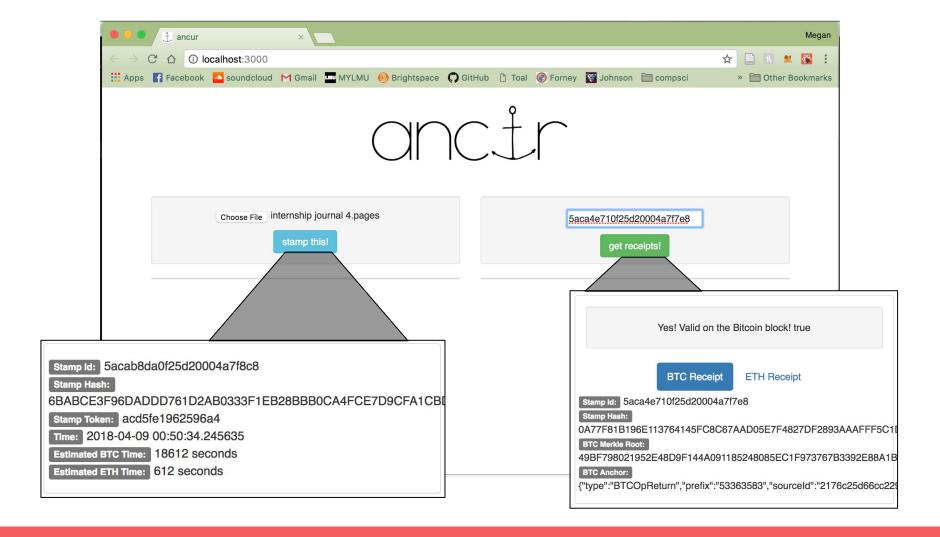
- Gain a better understanding of blockchain technology
- Proof of concept
 - Why blockchain technology will benefit companies
- Security
 - Timestamp
 - o BTC and ETH anchors and merkle roots
- Authenticity of ownership





Project Justification

- Future of Blockchain Technology
 - Security
 - Verification
- Apply to future career
- Experience with APIs
- Apply existing knowledge to new technology



Demo

Project Challenges

- Learning curve
- Collaboration with ARUP
- Document storage
- API implementation
 - Lack of documentation

Status Update

Completed:

- Stamping feature
- Prove Receipt ✔□

Todo:

- Updates to the UX formatting
- More info for usage
- Return Stamp so user can copy info
- Change seconds
- Clean up CSS
- Fix bugs/Test

Thank you!

Questions?