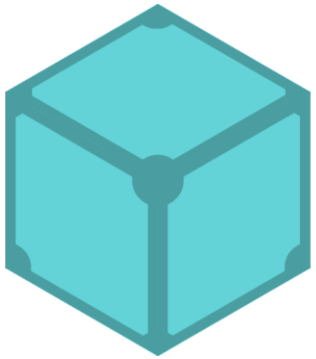
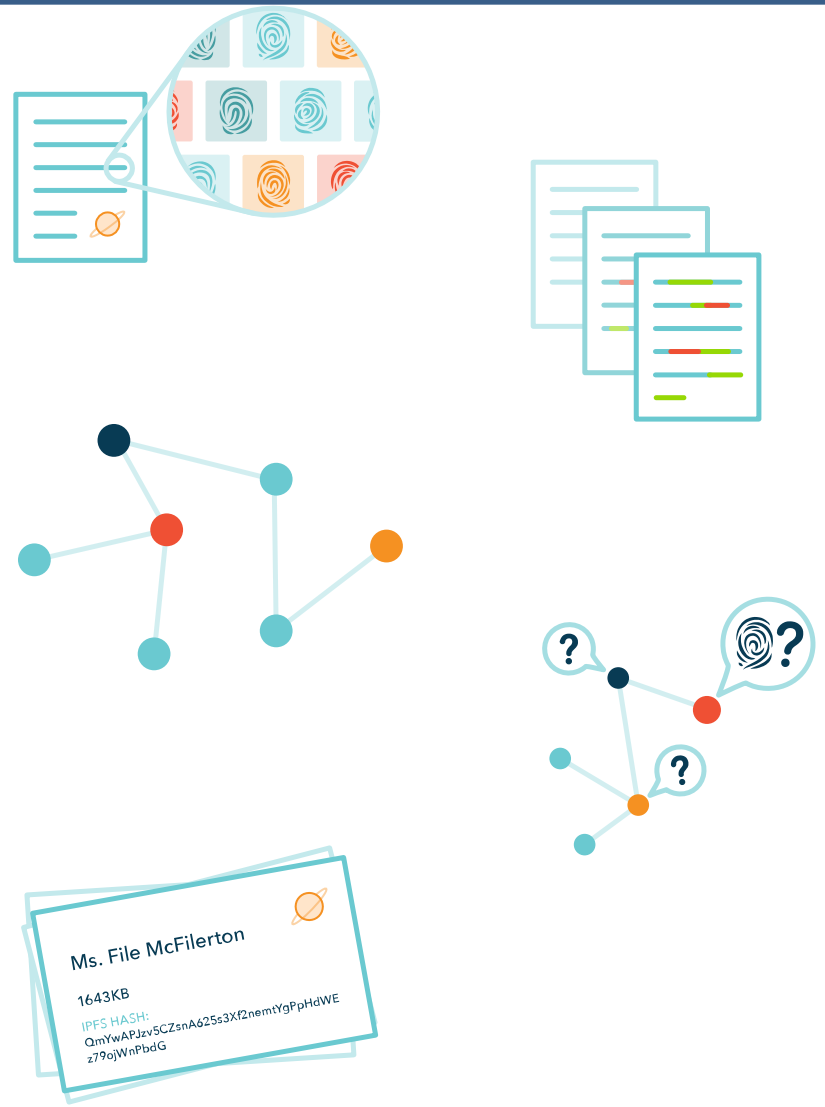


IPFS

Inter-Planetary File System

IPFS Working

- Each file and all of the blocks within it are given a unique fingerprint called a cryptographic hash.
- IPFS removes duplications across the network.
- Each network node stores only content it is interested in, and some indexing information that helps figure out who is storing what.
- When looking up files, you're asking the network to find nodes storing the content behind a unique hash.
- Every file can be found by human-readable names using a decentralized naming system called IPNS.



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Exercise

Integrate IPFS with Student Management System for uploading the certificates

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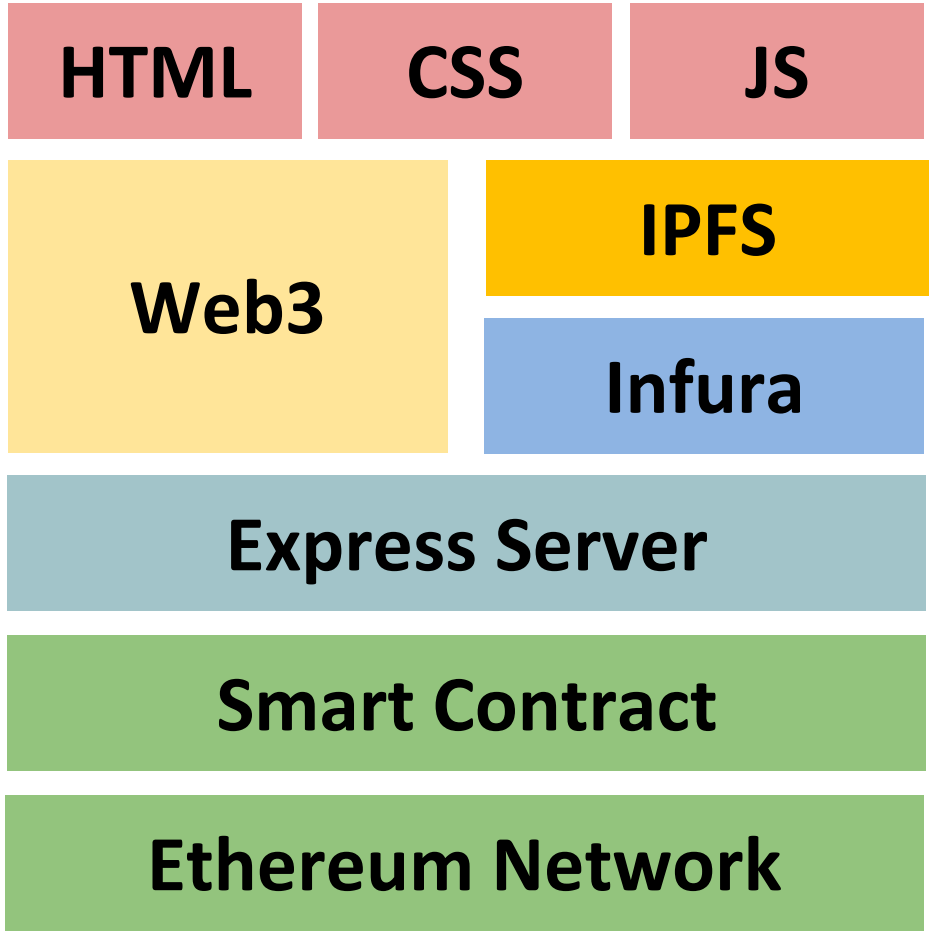
Dapp Architecture



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THANK YOU