13 October 2022

Defi
↳ Dex decentralized exchange.
Collateral safety

Problem definition.

- Goal
  - Keep nodes in sync
  - Same sequence of state transitions
  - Agree on the current state
- Two types of actors:
  - Nodes: Responsible for consensus protocol
  - Users: Submit transactions to one or more nodes.
- Nodes - ordered list of transactions that only grows overtime.
- Order matters?
  - Two writes on the same resource (Double spend attack).

~~Solution~~.

Assumptions

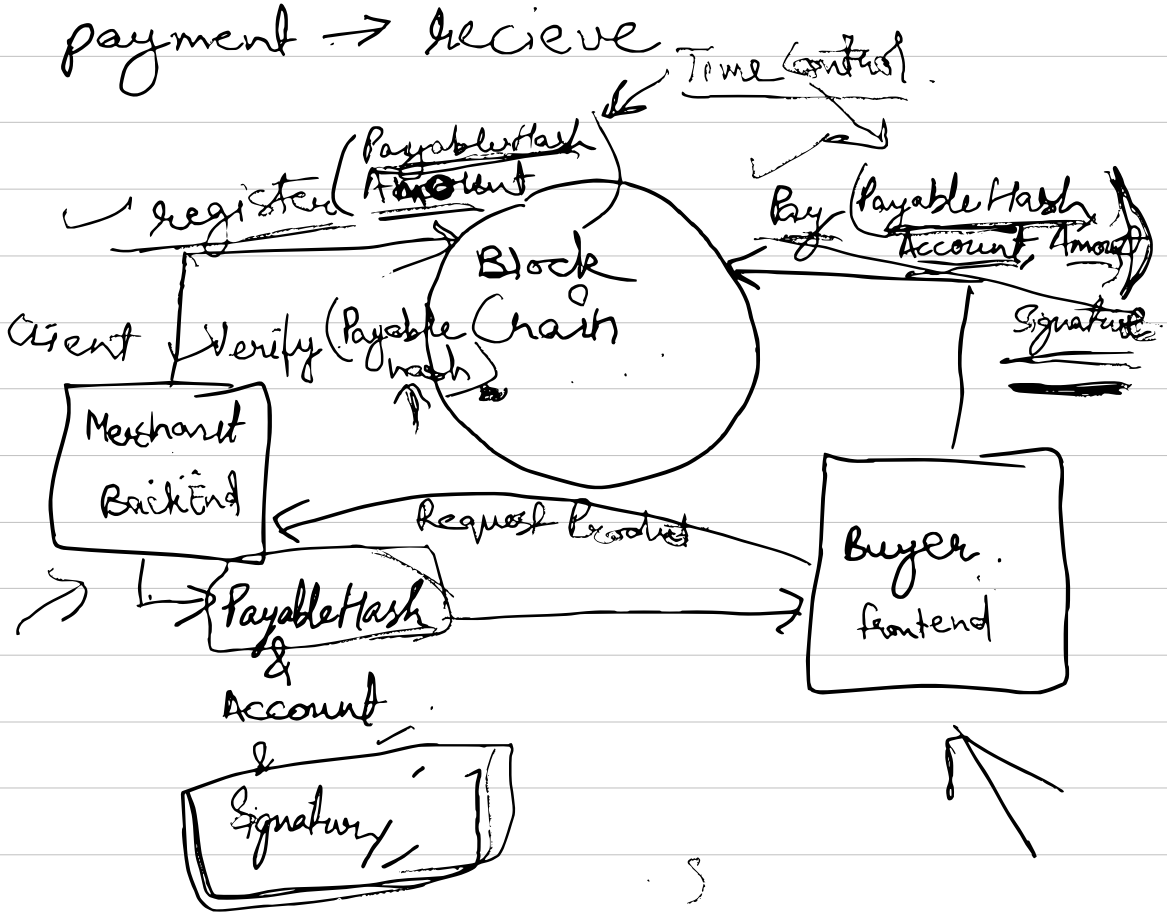
- Permissioned Setting
- PKI (Public key & (ppk))
- Synchronous Model.
  - Global Clock.
  - Round 1, 2, 3, 4.
  - Msg sent at round t, will be received at t+1
- All honest Nodes.
  - Way too Strong.

Does Sync takes gas (who pays for it)

Kademlia will stop clusters forming in the network. Which helps in fault tolerance.

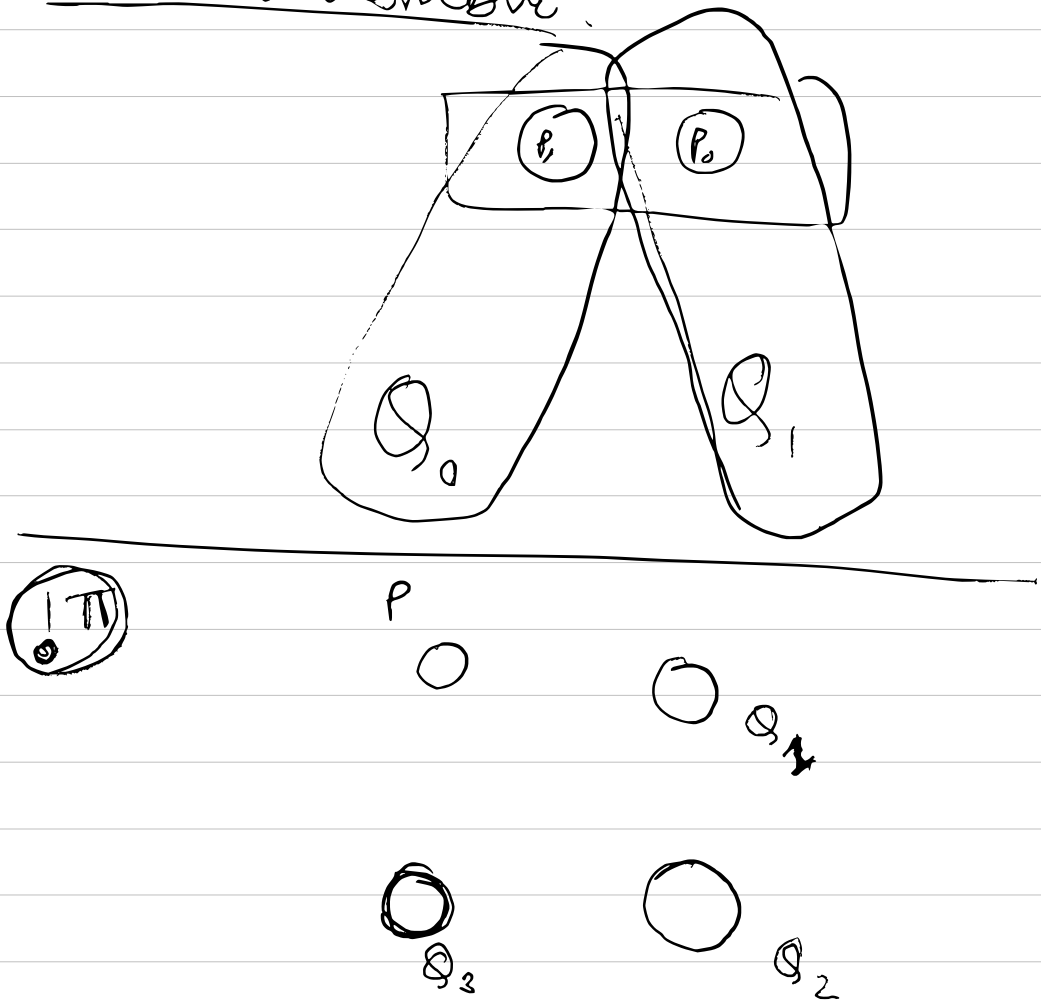
generate hash and register :
→ 20 min.

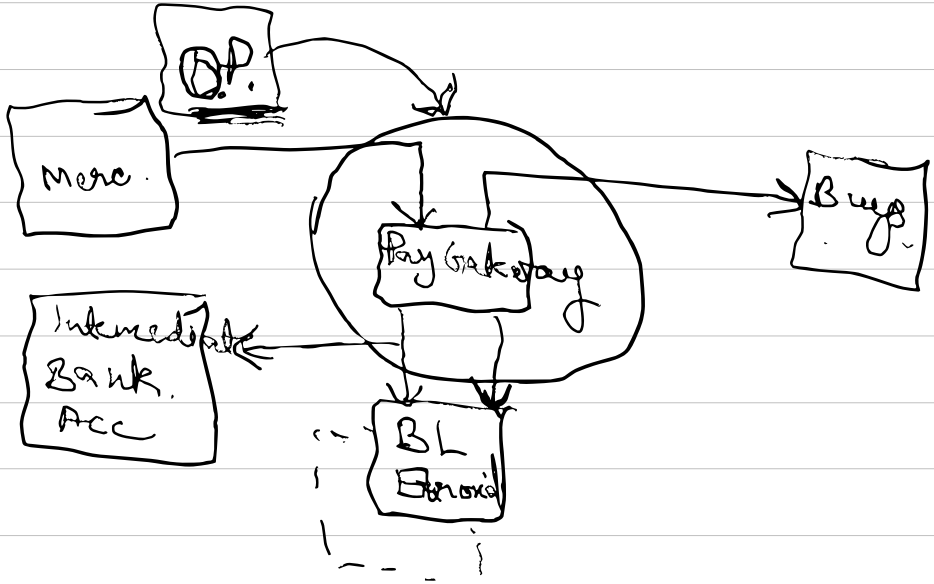
payment → recieve



Project Idea

10 November





Spring boot →

Smart Contract →

Java Script →