

HACK O FIESTA 2.0



LegalLedger

BLOCKCHAIN IN JUDICIAL
SYSTEM

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PROBLEM STATEMENT

To build an end-to-end decentralized solution to conduct court proceedings online in much safer, secure and tamper-proof manner to make the process effective and easier.



LOG JAMS IN COURTS

- Our judicial system has 33 million cases in backlog.
- Justice delayed is Justice denied



PANDEMIC SITUATION

- Physical court hearings not possible.
- Digitization of court related documents not done



CURRENT THIRD-PARTY SOLUTIONS

- E-courts webiste
- Vidyo App
- Virtual courts website



Problems Being faced

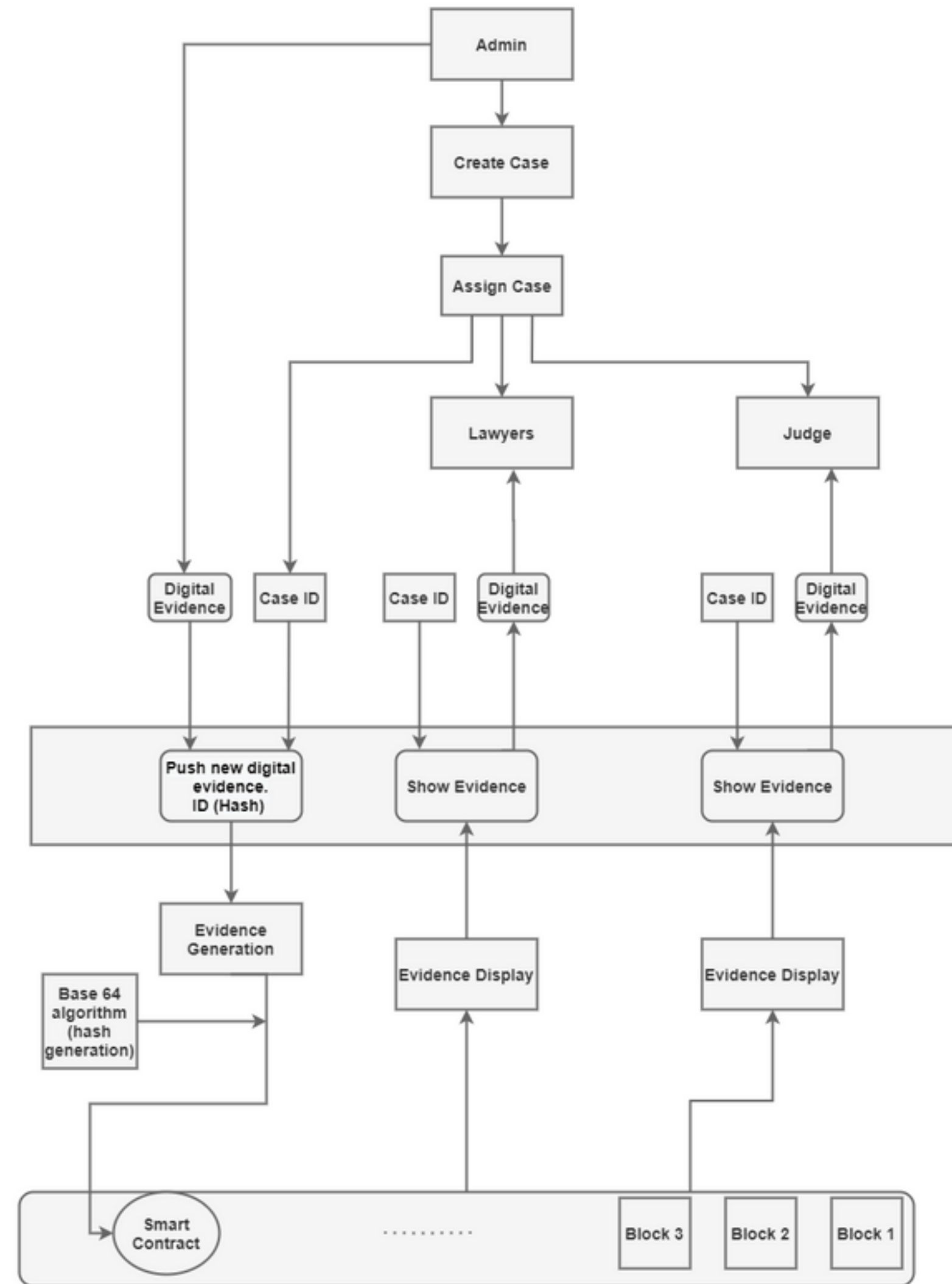
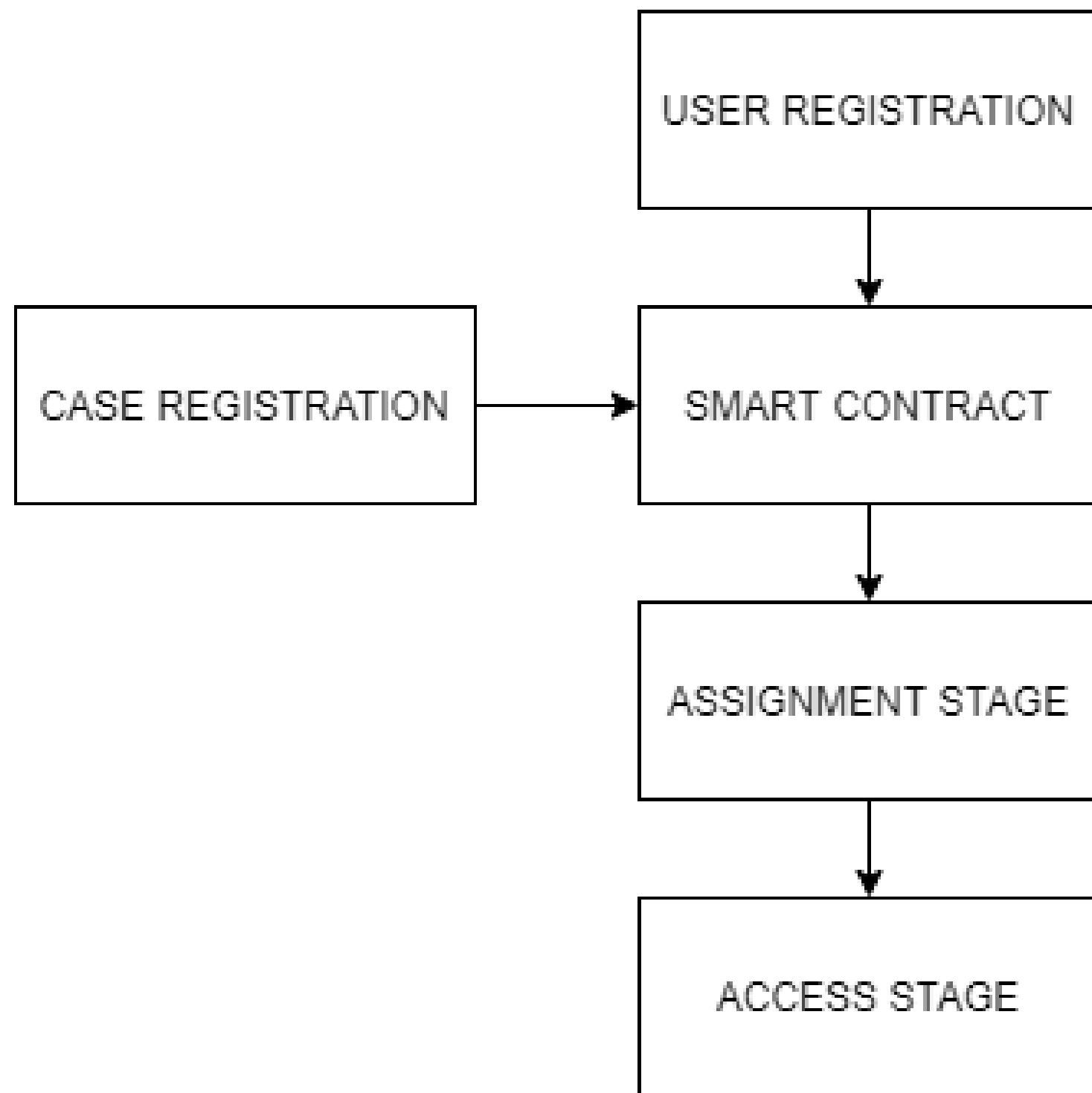
- Centralized applications - security hazards, prone to hacking, misuse
- Lot of documentation involved
- Tampering of evidence
- Need of convenient and contact less approach
- Current solutions - tedious and error prone
- Suggestions by Judicial committees for a entirely new setup that is secure and decentralized
- Physically going to courts not feasible

PROPOSED SYSTEM

The proposed system (focusing on civil cases) would consist of a web application designed for mainly three types of users, Admin, Judge, Lawyer.



- Admin - Add new cases and evidence pertaining to those cases
- Judge and the lawyers - View the specific cases and evidence they have access to
- Documents being stored - Roznama, Vakalatnama, Evidence files, Court proceedings
- Blockchain technology - create transparency and to maintain the security of evidence.
- The related case files are uploaded to Inter-Planetary File System(IPFS) and the returned hash values are encrypted using Base64 algorithm and are stored in the blockchain.



UNIQUE SELLING POINTS

Justice at
Doorstep

A boost to the
ongoing e-court
proceedings

Secure
implementation

End-to-end
robust solution

Saving
Taxpayer's
money

Prevent logjams

Prevents
evidence
tampering

No political
interference

TECH STACK



ETHEREUM



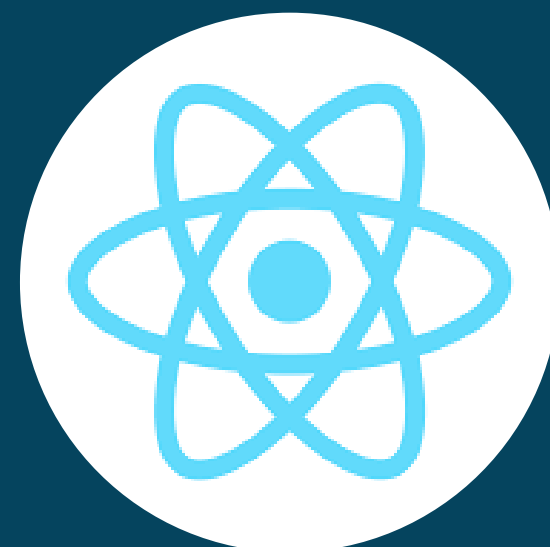
WEB 3



METAMASK



GANACHE



REACT JS



TRUFFLE SUITE

PROBLEM

Our Indian judicial system has more than 33 million cases in backlog and it's extremely alarming for our country. Number of cases are getting piled up on a daily basis but clearance for the same is not happening.

EXISTING ALTERNATIVES

- 1.E-courts website
2. Vidyo App

All these applications are centralized and thus prone to hacking and misuse.

SOLUTION

Our proposed decentralized user-friendly web application "LegalLedger" would store the record of all the court case related documents - evidence files, Roznama, Vakalatnama, video recordings in the ethereum blockchain.

KEY METRICS

They key metrics to adjudicate our product are:

1. End-to-end Management
2. Satisfaction to lawyers and judges
3. Acceleration of case proceedings

UNIQUE VALUE PROPOSITION

The uniqueness of our product is encompassed into the critical decentralized aspect which makes it safer,secure and tamper-proof.

CHANNELS

Advocates and firms
Law Conferences
Medium Blog Posts
GitHub
Social Media

HIGH LEVEL CONCEPT

1. Blockchain technology - create transparency and to maintain the security of evidence.
2. The related case files are uploaded to Inter-Planetary File System(IPFS) and the returned hash values are encrypted using Base64 algorithm and are stored in the blockchain.

CUSTOMER SEGMENTS

Lawyers

Judges

Admin

EARLY ADOPTERS

Courts exclusively participating in online court proceedings.

LEAN CANVAS APPROACH

Thank You

GROUP MEMBERS

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