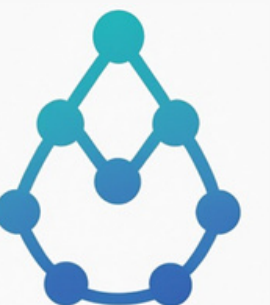


DeVote

"One Person, One Vote. Guaranteed. The Wallet-less Way."

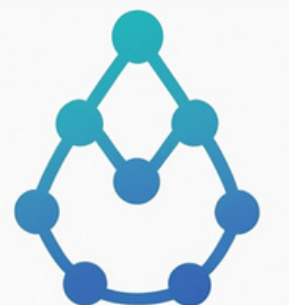
Objectives

- **One-person-one-vote with cryptographic enforcement.**
- **Gas-efficient transactions for multiple voters.**
- **Easy onboarding .**
- **Clear, reversible admin lifecycle.**
- **Auditable events for transparency.**



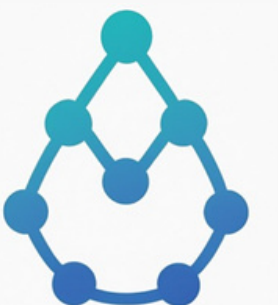
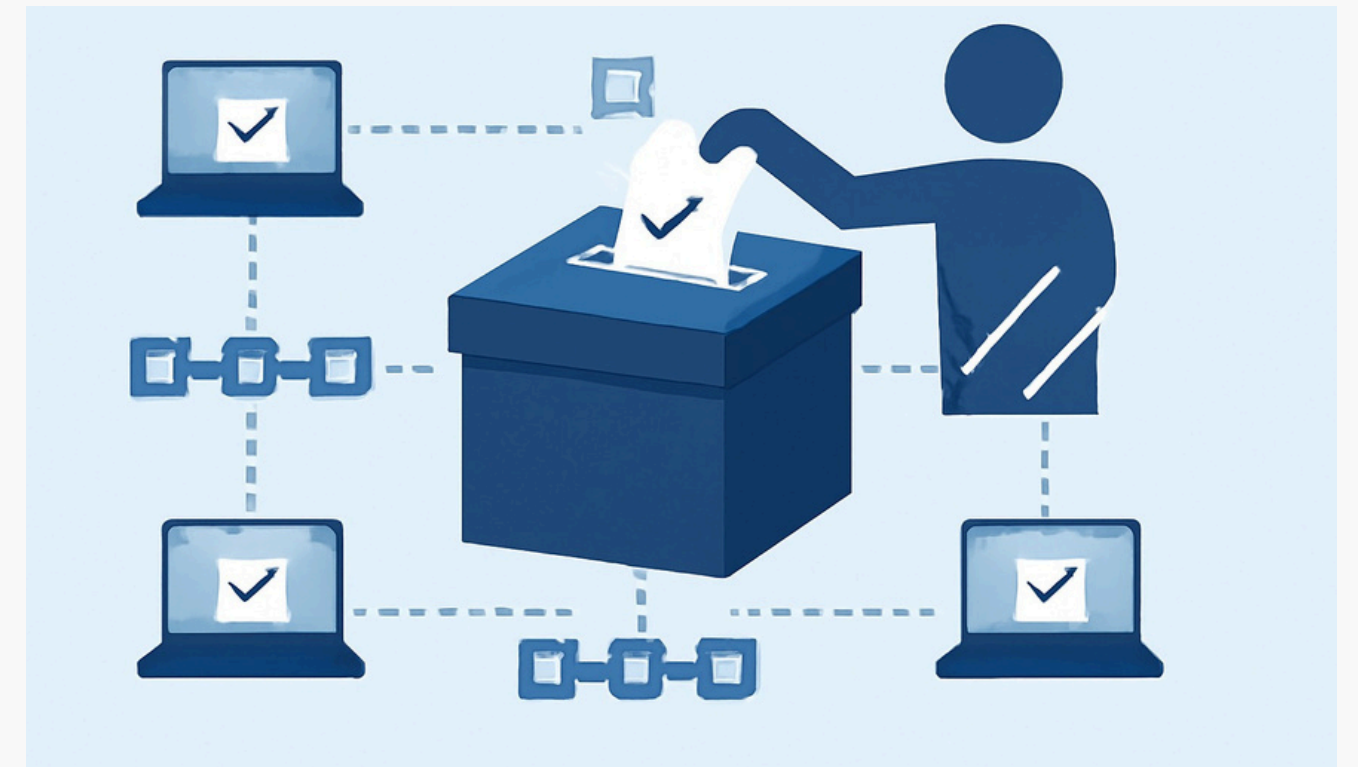
Problem statement

- **Wallet Requirement:** Current systems mandate wallets, creating high user friction and low adoption.
- **Duplication Risk:** The integrity of the vote count is compromised by the potential for duplicate votes.
- **Integrity Gap:** No hard, cryptographic guarantee exists to ensure a one-person, one-vote outcome.



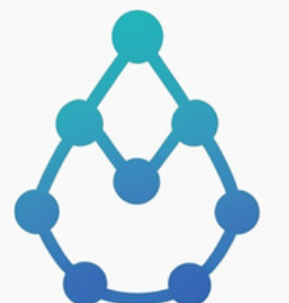
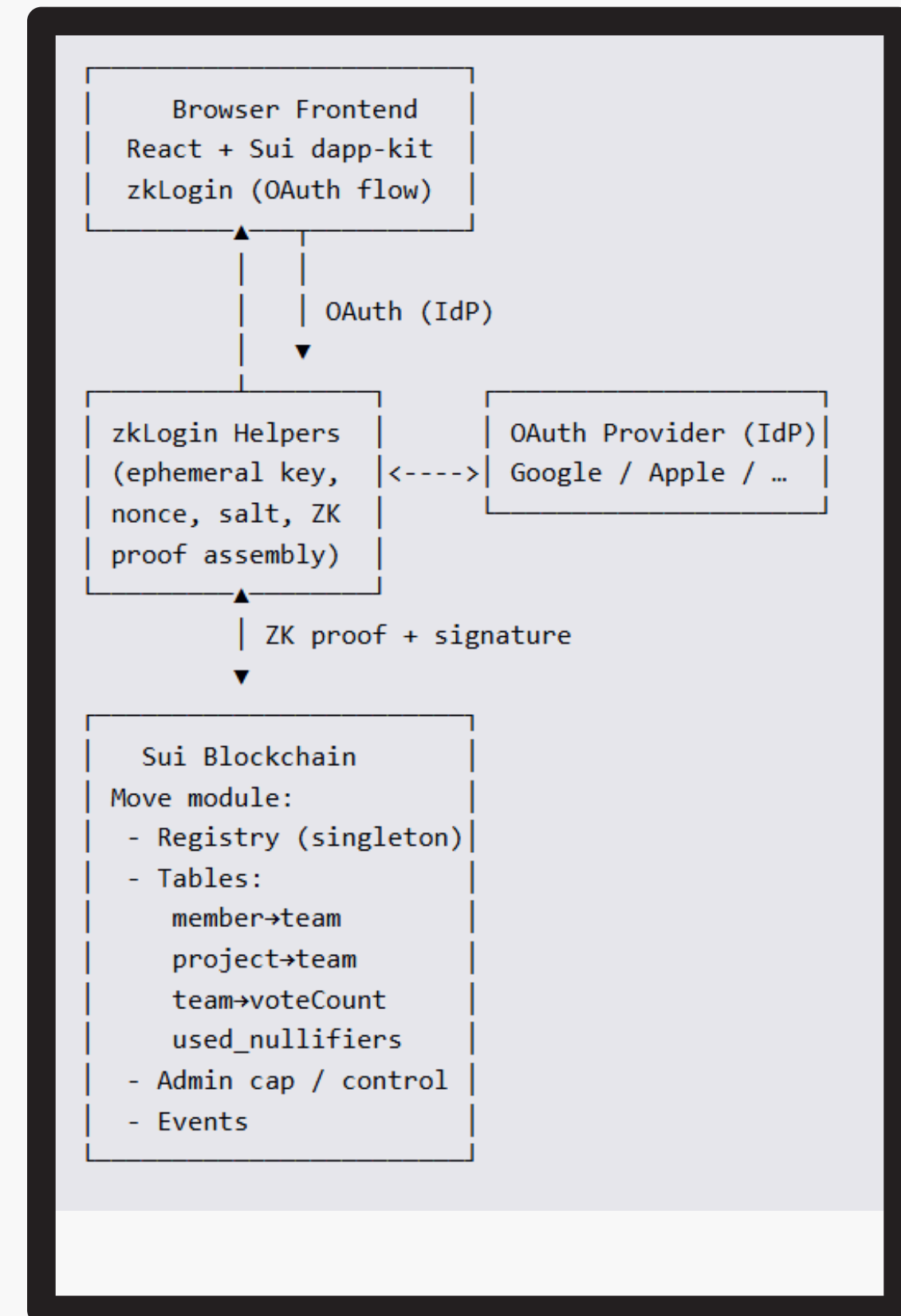
Applications

- **Accelerators & Incubators**
cohort showcase voting.
- **University project fairs**
fair+quick selection.
- **Internal product reviews**
anonymous employee voting.

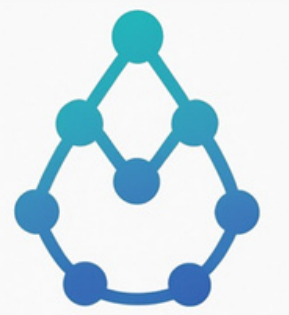
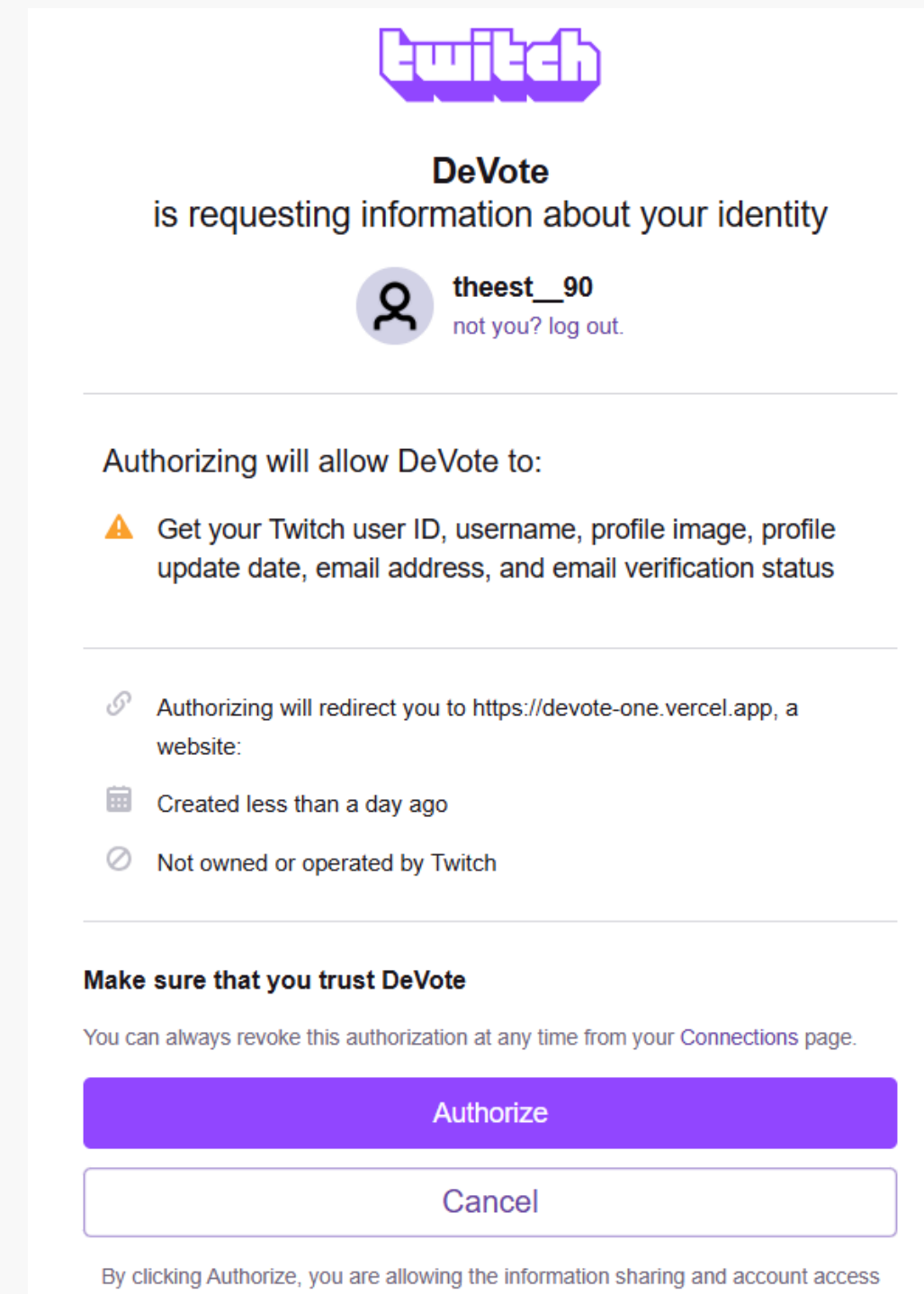
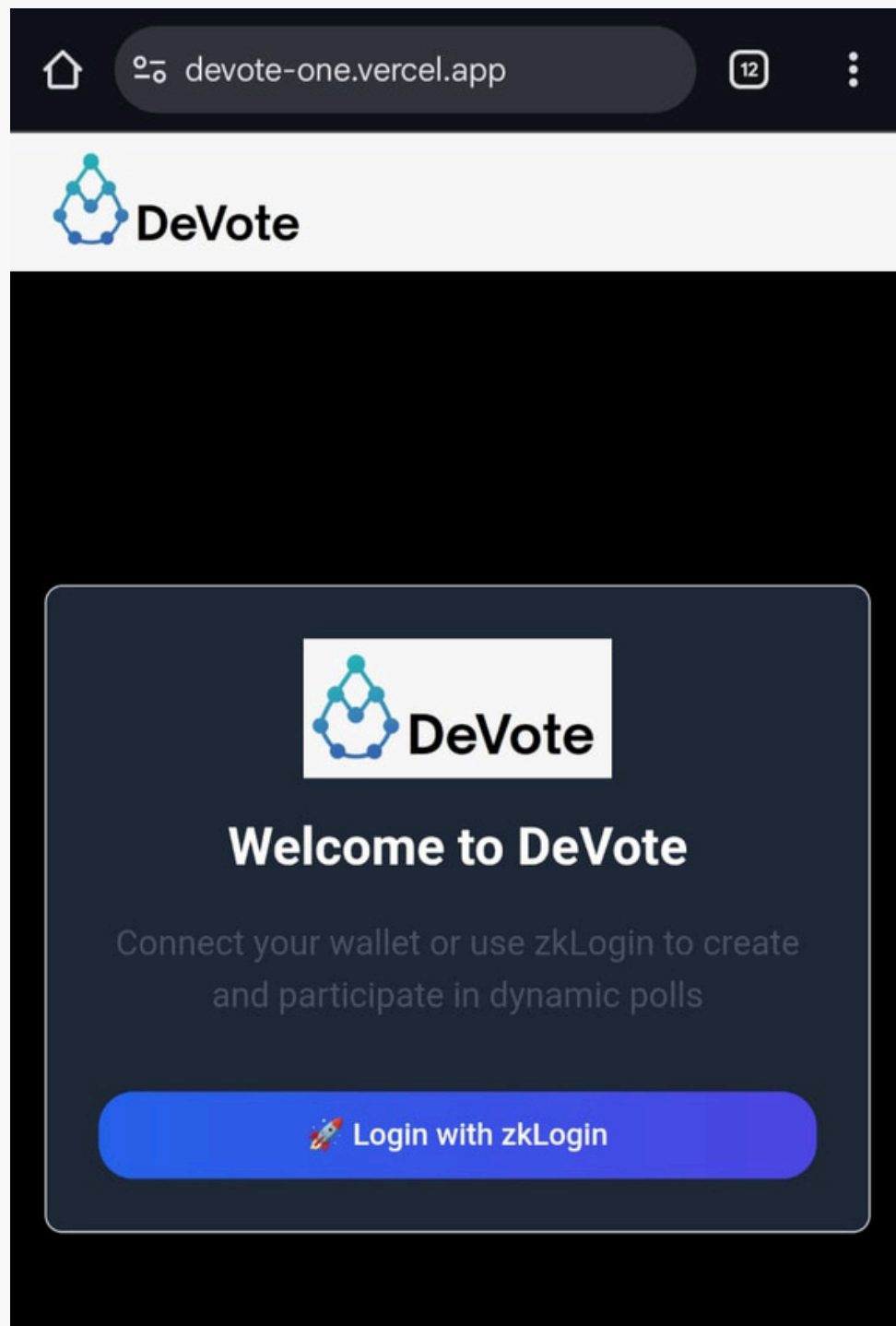


System Architecture

- **Ephemeral Key:** The user's browser generates a fast, temporary private key.
- **OIDC Login:** User signs in with familiar identity.
- **zkLogin Proof:** The ID token is used to generate a zero-knowledge proof and a temporary on-chain address.
- **Transaction Build:** The vote is constructed and signed by the temporary ephemeral key



Your Identity is Your Entry Ticket



The Magic of the Nullifier: Blocking Duplicates Before They Happen

zkLogin Account Details

Twitch Account

Account Information

zkLogin Address

0xb2058307f170f63eda28822d365e6db5edc4f082af55c7dba9a
be2b8d139d3bb

User ID (sub)

1373136660

Audience (aud)

u09n81sy4ka68j2et0j5v18ge11dbh

Technical Details

User Salt

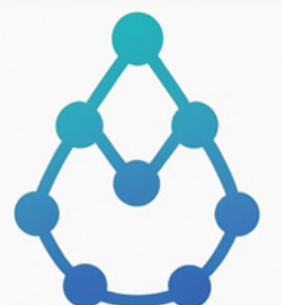
2105001434

Session Expires

10/28/2025, 7:53:16 AM
Epoch 162 (= 30 epochs remaining)
Current epoch: 132

ZK Proof Status

✓ Valid ZK Proof Generated



Crafting a Provably Fair Contest

Create a Dynamic Poll

Create a poll where participants can form their own groups or represent themselves individually.

Poll Name *

Dynamic Poll: Best Team/Individual

Description *

A dynamic poll where participants create their own groups or represent themselves individually.

Poll Deadline *

09/29/2025 06:48 AM



Selected: 9/29/2025, 6:48:00 AM(1759121280000ms)

Poll Type *

Create Poll

Vote Members

Participants

Raj

"Hacker"

1/1 ✓ Ready

1 votes

Participant:

submitVote?...feedback 0

Create

You're already in another group

Shipra Kedar

"Software Engineer"

1/1 ✓ Ready

Participant:

submitVote?...feedback 0

Create

You

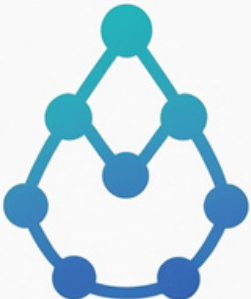
✓ You're in this group!

Vote for other participants:

Vote Raj

Vote Shipra

✓ Voted




Crafting a Provably Fair Contest

Poll Type *
Choose how participants will be organized

☒ Individual Participants
Each person represents themselves. Perfect for personal achievements, individual projects, or solo competitions.

☐ Team Groups
Participants form teams. Great for collaborative projects, team competitions, or group achievements.

Maximum Participants *

 Poll Capacity: 10 individual participants

Create Individual Poll


Poll Type *
Choose how participants will be organized

☐ Individual Participants
Each person represents themselves. Perfect for personal achievements, individual projects, or solo competitions.


☒ Team Groups
Participants form teams. Great for collaborative projects, team competitions, or group achievements.

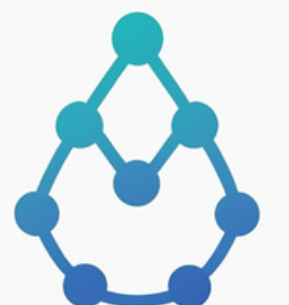
Maximum Groups *

Members per Group *

 Poll Capacity: 10 groups × 3 members = 30 total participants

Create Group Poll

 How it works:



Dynamic Poll: Best Team/Individual

Individual

A dynamic poll where participants create their own groups or represent themselves individually.

⌚ Deadline: 9/29/2025, 6:48:00 AM

Status: Active

Capacity: 10 participants

▼ Hide Details

🏆 Individual Competition

- Participants: 10 individual slots
- Format: Each person represents themselves
- Voting: Vote for other participants (not yourself)

Participants

Slot 1

No members yet

Slot 2

No members yet

Slot 3

No members yet

0/1 Open

Introduce Yourself

Your Name/Title

Your Background

Cancel

Join as Individual



The Vote

Final Results		
Debug: group_tally = ("0":"2","2":"2")		
Christian Russo HEC Lausanne		2 votes
prchi polimi		0 votes
Rajat Hacker		2 votes
ZoÅ© Olszewski 42Paris		0 votes

The Verdict

