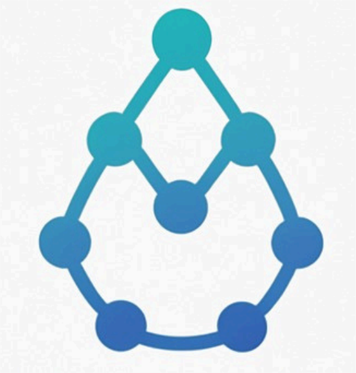
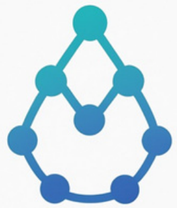


DeVote

"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**

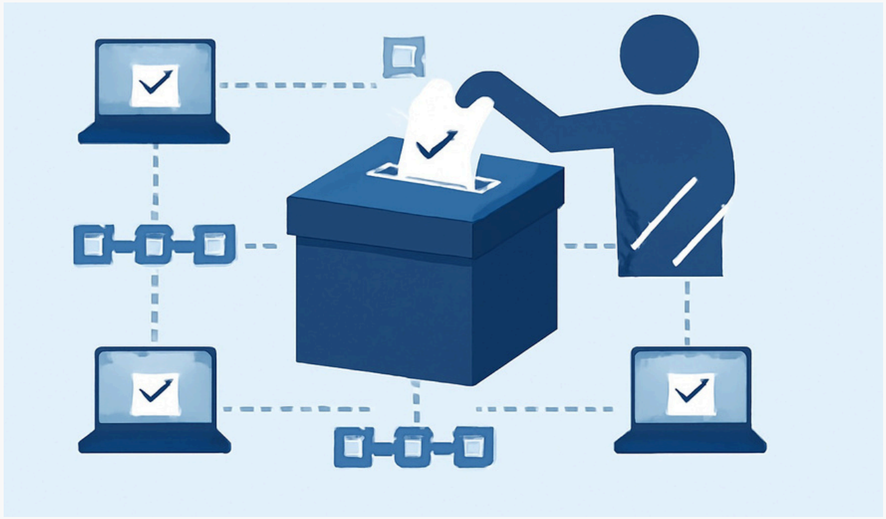
cohort showcase voting.

- **University project fairs**

fair+quick selection.

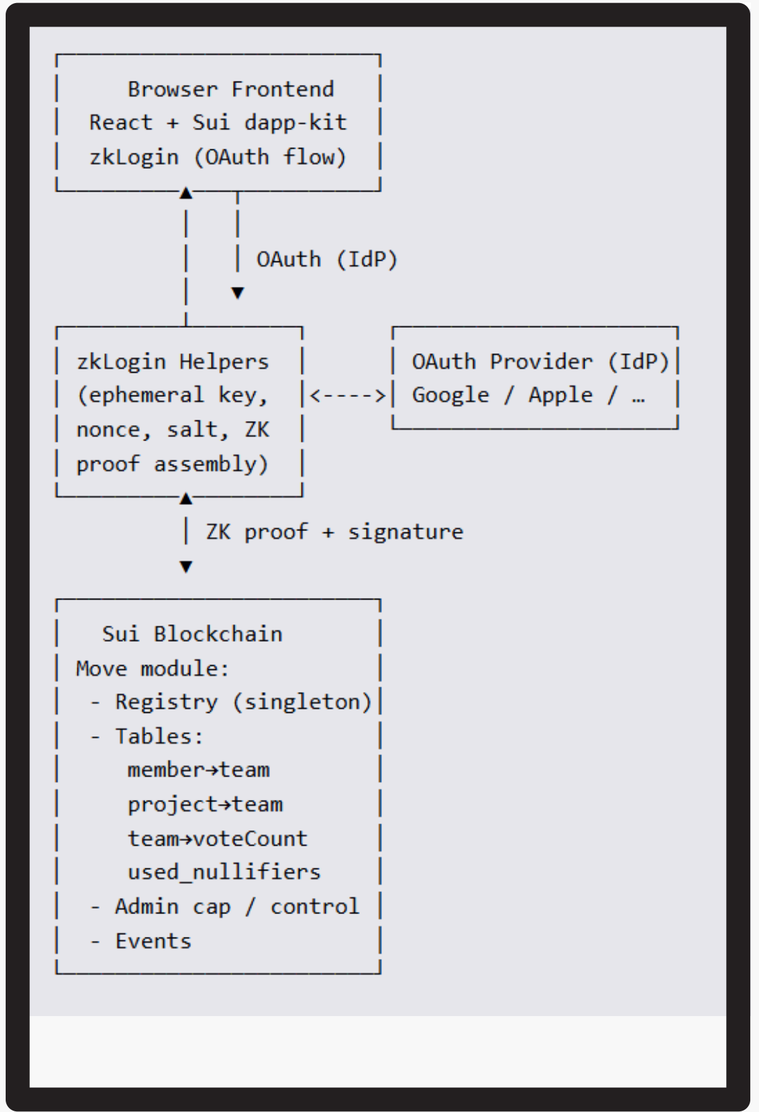
- **Internal product reviews**

anonymous employeevoting.

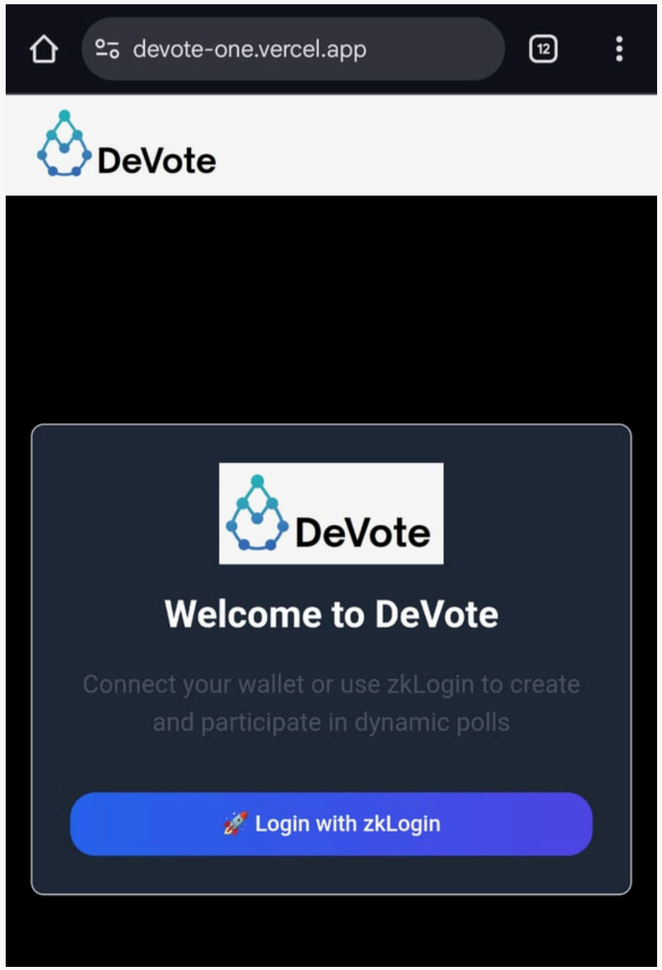


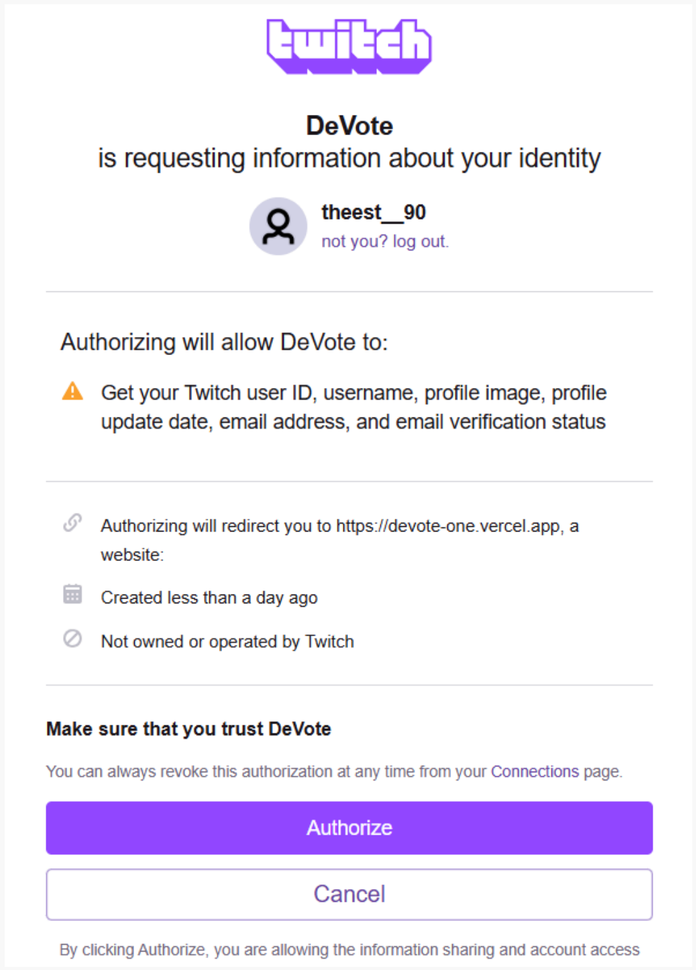
System Architecture

- **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**

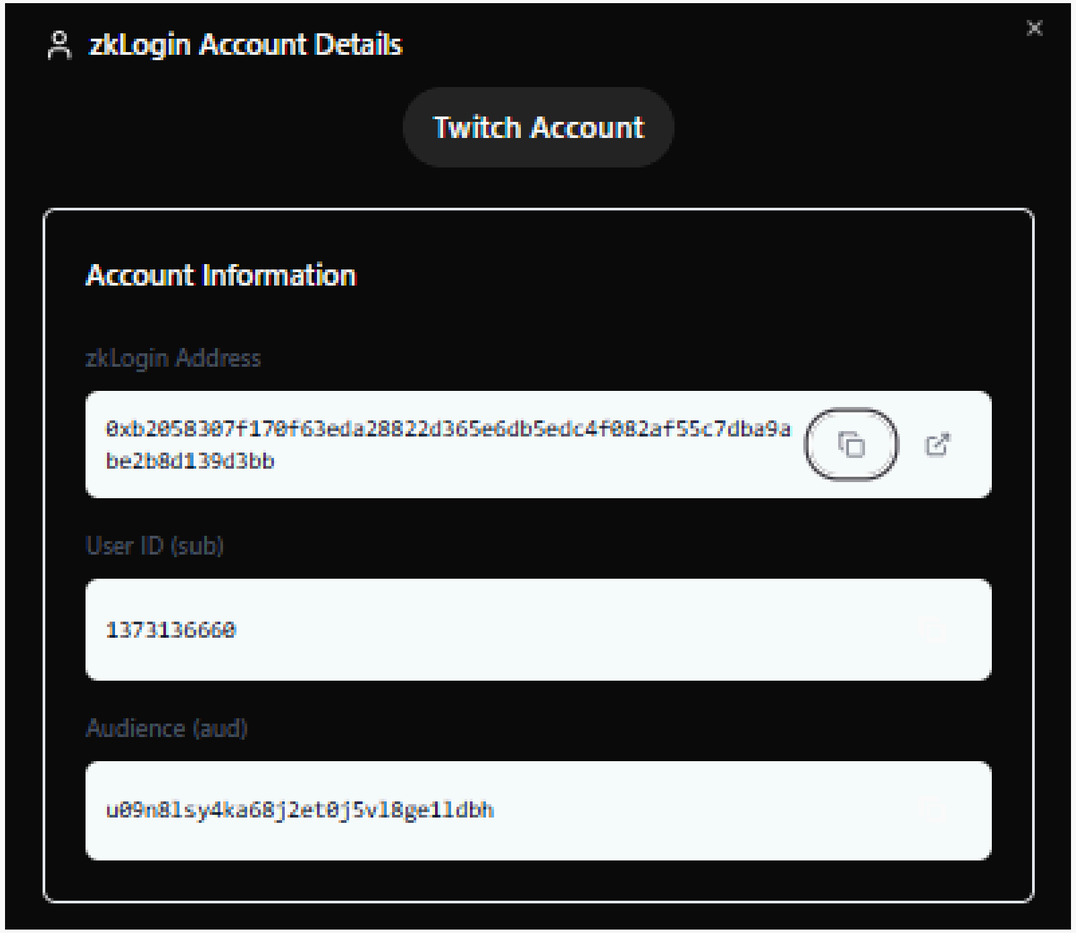


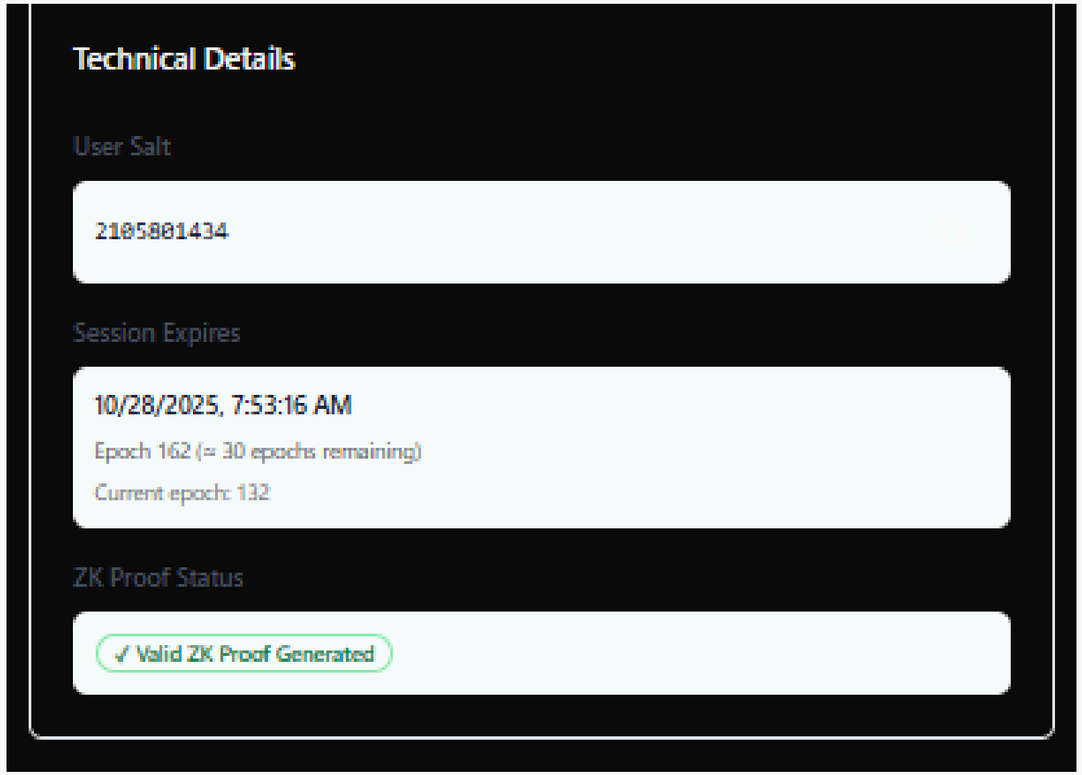
Your Identity is Your Entry Ticket





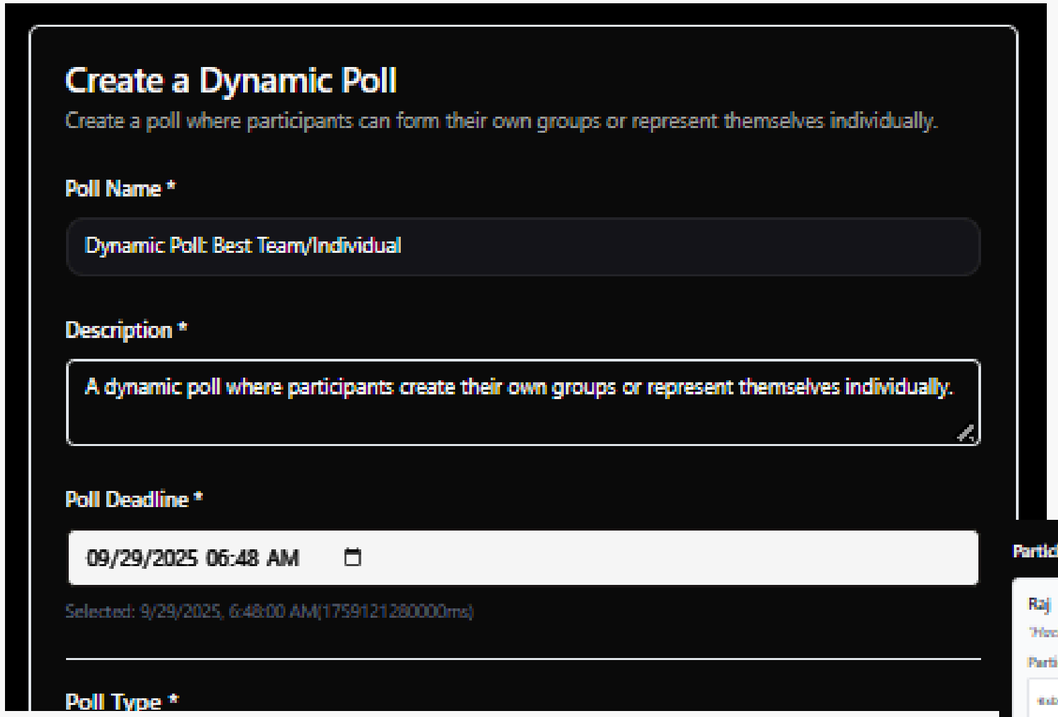
The Magic of the Nullifier: Blocking Duplicates Before They Happen





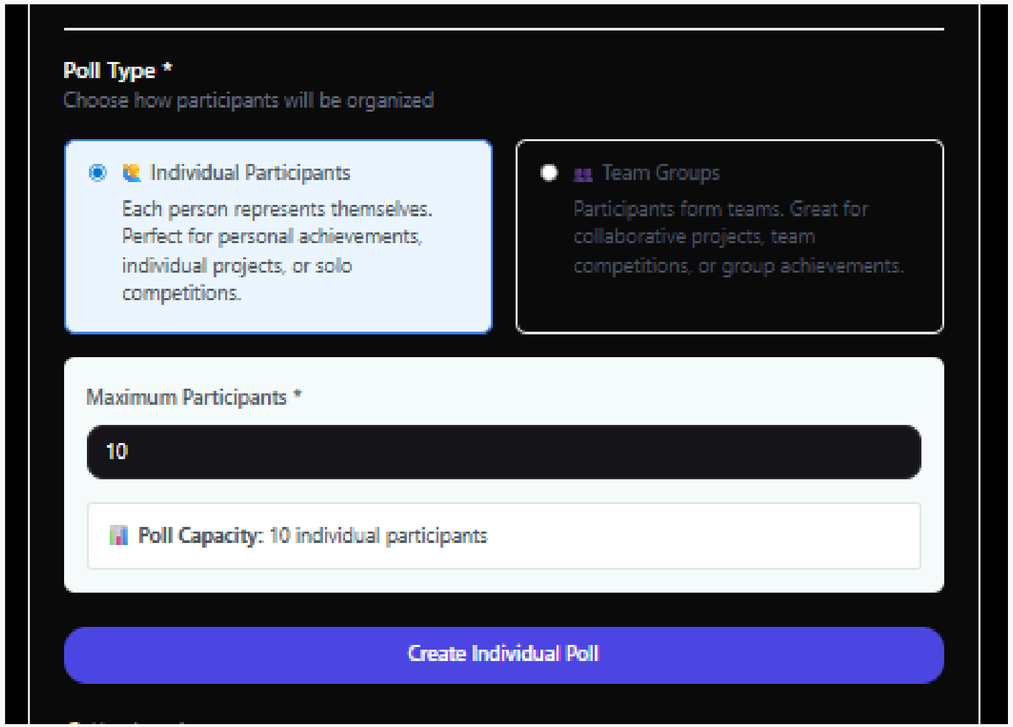
Crafting a Provably Fair Contest

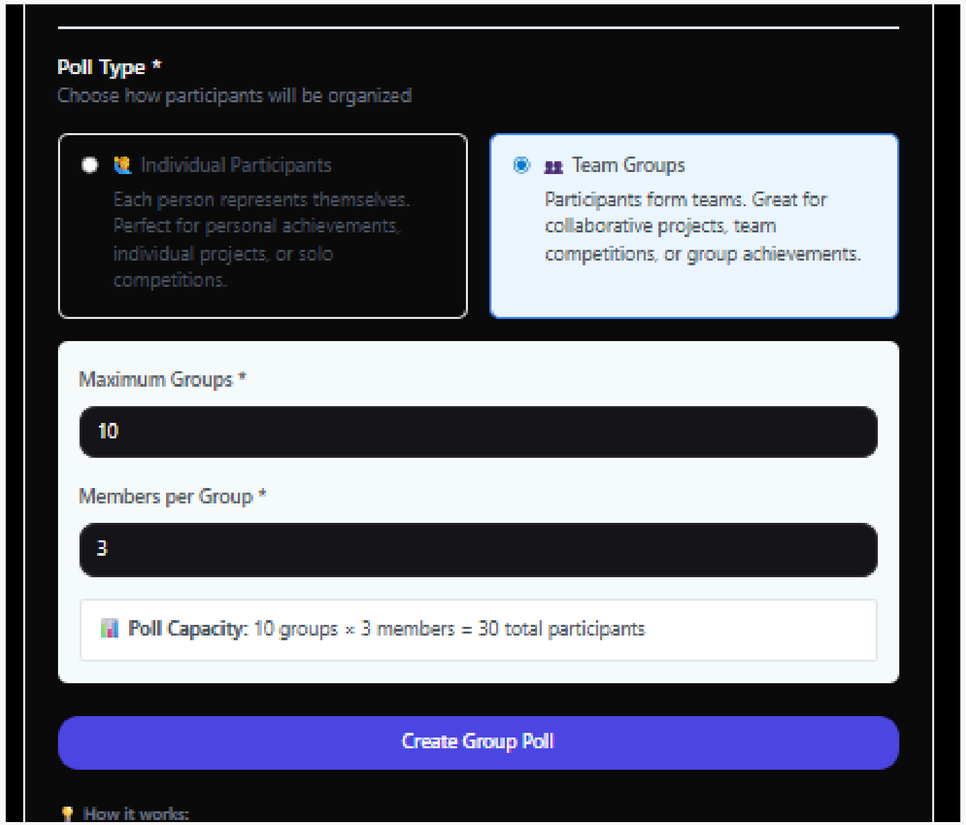
Create Poll

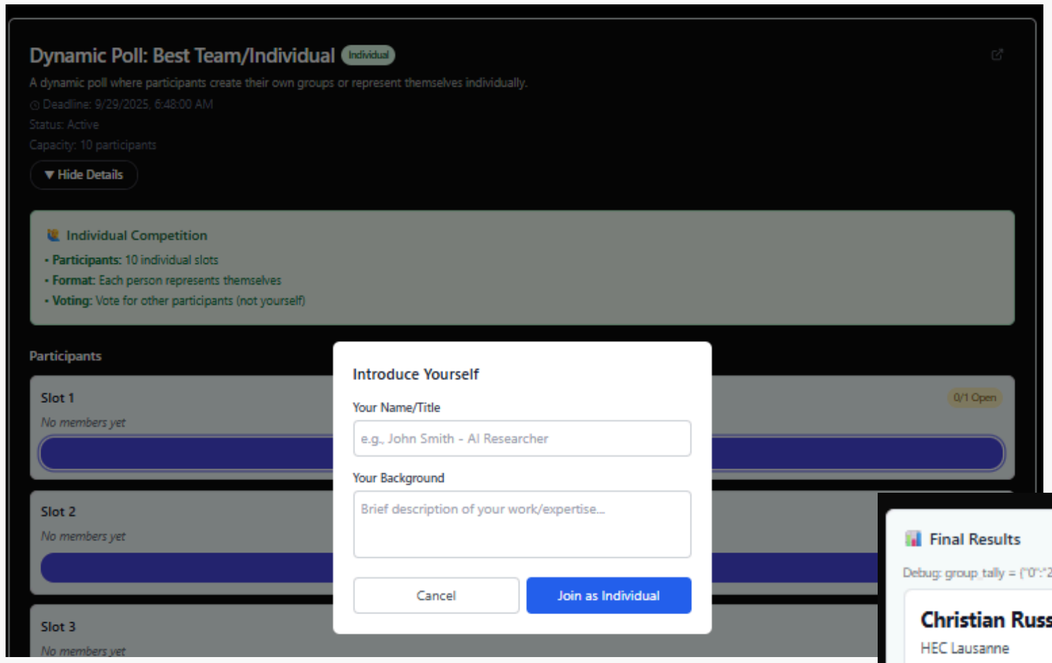


Vote Members

Crafting a Provably Fair Contest







The Vote

The Verdict