

# [SplitChain]

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# The Issue



## Managing Costs

- Groceries
- Planning Trips
- Paying Rent

# The Opportunity



- 20M+ U.S. college students
- \$10B+ group spending opportunity annually
- Growing adoption of Web3/crypto among Gen Z
- Existing apps (Venmo, Cash App) not focused on group transparency or escrow

# The Solution

## [SplitChain]

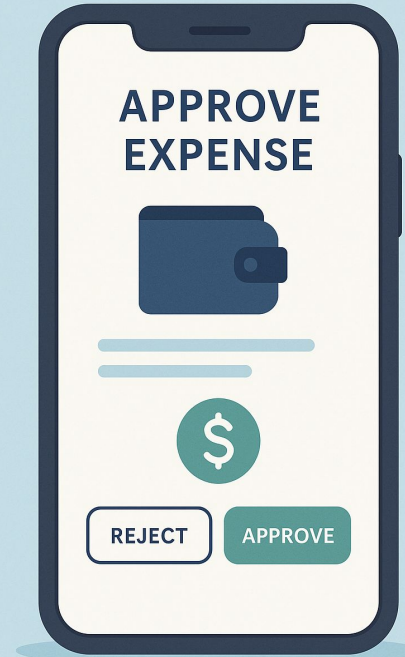
- Automatically tracks group expenses
- User-friendly
- Reduces misunderstandings



Splitting expenses  
among students

# How [SplitChain] Works

1. One student pays for a group expense
2. The payer submits the expense through SplitChain with proof
3. Group members are notified and vote to approve or deny the expense.
4. If the majority approves, the smart contract automatically releases the correct payment to the payer.
5. Funds are split and sent from the group's shared escrow balance



# Adoption Challenges



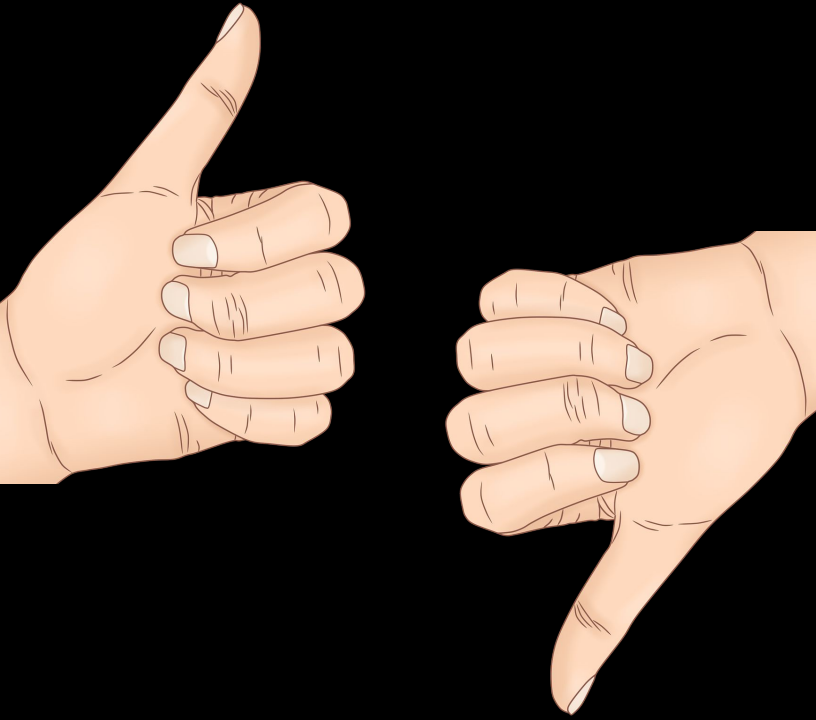
# Familiarity

## Fiat On-Ramps

- Easier for non crypto users
- Familiar payment methods
- Builds trust
- Increases adoption

 MoonPay

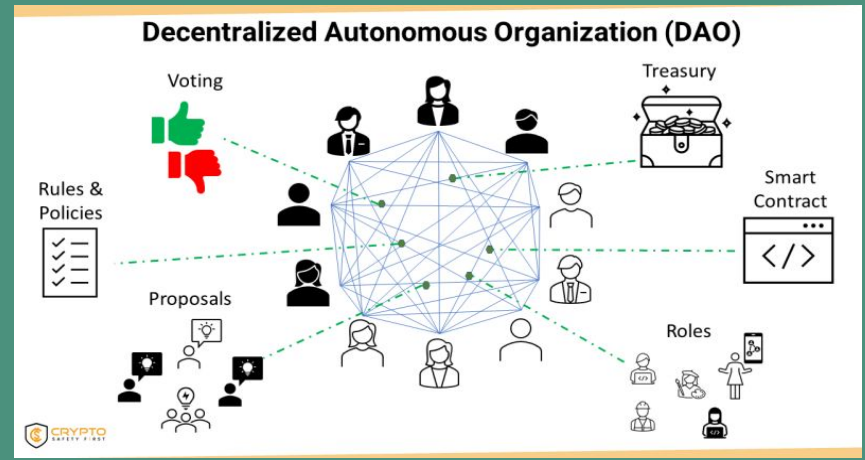
 Transak



Expense?: Yes | No

# Voting System

- Prevents unfair/fake expenses
- Resolves disputes early
- Democratic



# Comparative Advantage

- No need for prior crypto experience (hidden blockchain layer)
- Transparent payment flows (can't fake receipts or votes)
- Instant, smart contract-based reimbursement
- Scalable to other group activities outside of school

# Why Blockchain?

- 1. Transparency**
  - Easy to verify information
  - Public and accessible for group
- 2. Decentralization**
  - Money held safe by group
  - Company risk eliminated
- 3. Security**
  - Records are permanent
  - Protects everyone from negligence



ARBITRUM



# Handling Transaction Costs

- Fees on major blockchains can get expensive
- Solution: Build SplitChain on low-cost networks





Transaction Fee



Premium Subscription



SPLT Loyalty Token

- **Low Friction**
- **Student Friendly**
- **Scalable**

# Business Model

# Smart Contract Voting Logic

```
mapping (address to bool pepul) boolean;
groupMembers (address to boolean) boolean;
approvalCount,
voteDeadline;
payer payable pupivable paper;
uint amount bool

function voteApproval(bool approve ) {
    require(gruppMembers[mseder], 'Not a group
    member')
    require(hasVoted[msevend), 'Already voted'
    require(voteDeadline Voting);
    if approve.mssdene = true
        approvalCount +=1;
    // Auto-release funds if majority approves
    if approvalCount gopro evant
        payer.transfer(totalGroupMembers /2
        fundsReleased = true
    }
}
```

- Written in Solidity, deployed on Polygon or xDAI
- Group members vote to approve or deny an expense
- Voting deadline ensures quick decisions
- If majority approves, funds are automatically released
- Uses a smart contract escrow — no manual handling
- Prevents double voting or unauthorized participation

# Technology Roadmap



## Phase 1

**MVP Development**  
Months 1–2

- Build basic dApp and smart contract
- Expense submission, group voting
- Testnet on Polygon or xDAI



## Phase 2

**Beta Launch**  
Months 3-4

- Deploy on mainnet (Polygon)
- Integrate fiat on-ramps
- User testing with students



## Phase 3

**UI/UX Optimization**

- Polish front-end design
- Streamline voting flow
- Add receipt upload



## Phase 4

**Feature Expansion**

- Launch SplitChai Loyalty Token
- Add leaderboards, rewards
- Build referral system



**Institutional Partnerships**  
Months 10 -12

- Partner with student orgs & univ.
- Co-market with event planners
- Add club payment tools

# Next Steps

## Payment On-ramps & Voting Models

- Find the best fiat on-ramps (MoonPay, Transak) and DAO voting frameworks (like Snapshot).

## Build a Minimum Variable Product (MVP)

- Create a basic working version of SplitChain focusing on simple expense submission, voting, and payouts.

## Run Tests & Finalize Plans

- Pilot SplitChain with a few student organizations to gather feedback and improve usability.

**Thank you!**