



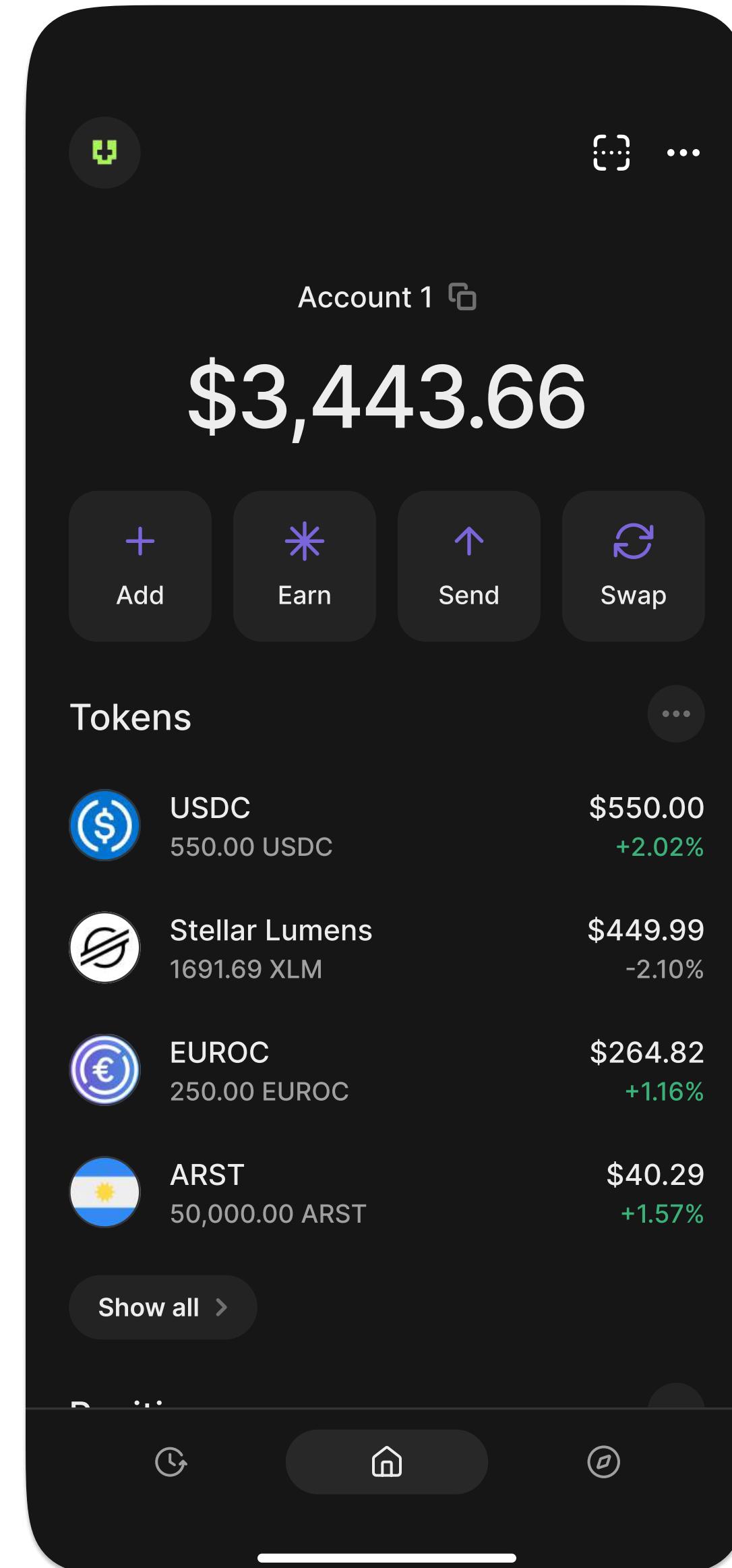
Featured Projects

- 🔑 **Freighter** (consumer wallet)
- ⌚ **Snack** (saas for lists)
*BUILT WITH CLAUDE**
- ⌚ **Laboratory** (developer sandbox)



Freighter

Freighter
a flagship non-custodial
wallet for Stellar



Freighter initially launched in 2020 as a browser extension for developers and power Stellar users.

With smart contracts live and mobile usage growing across crypto, iOS and Android felt like the obvious next step.

● Context

Smart contracts launched on Stellar in 2024, unlocking DeFi, NFTs, and more. We needed a mobile wallet simple enough for newcomers, powerful enough for what the network could do now.

● Principles

Stellar Design System v3

Ship fast, then refine

World-class wallet UX

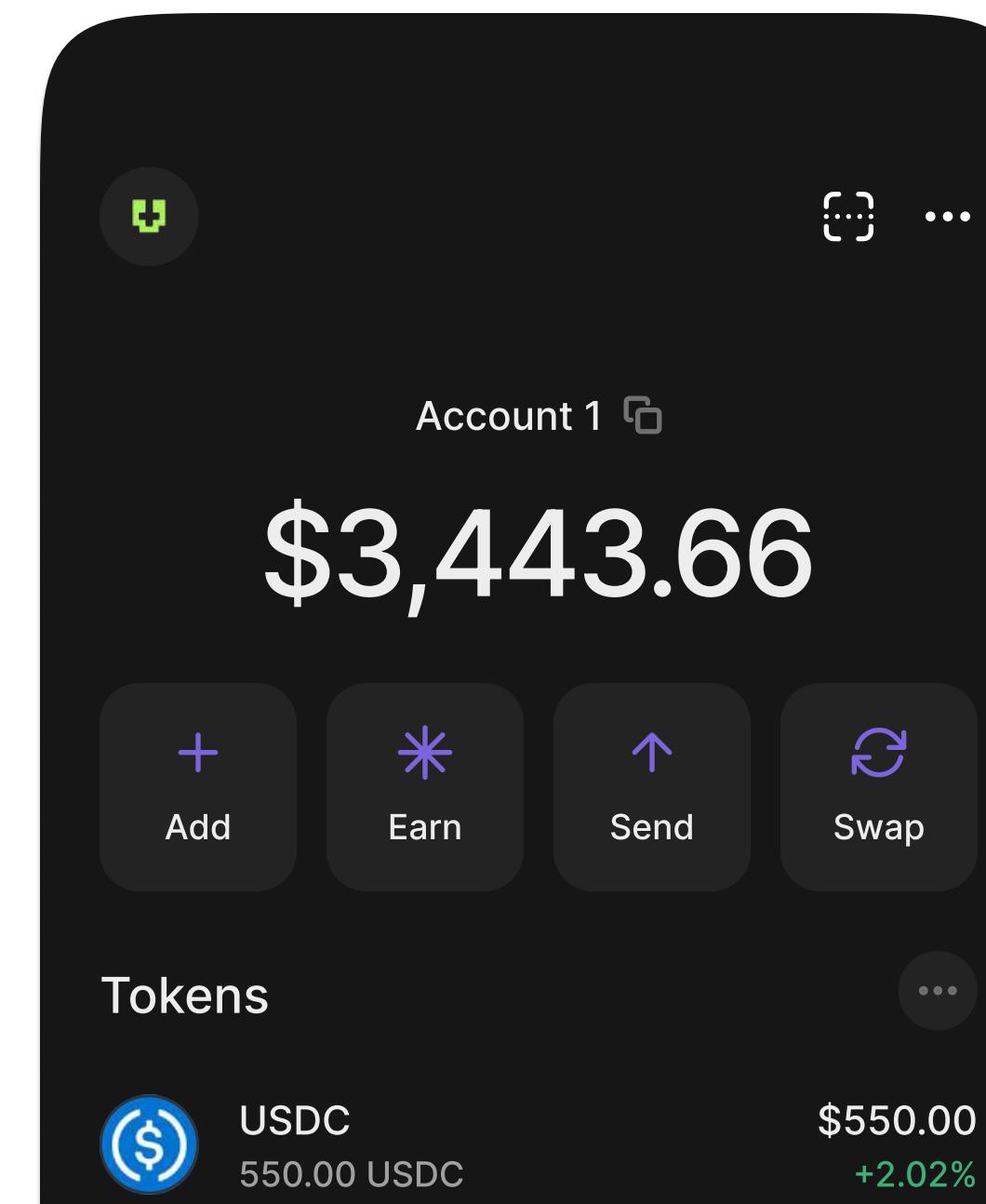
● Audience

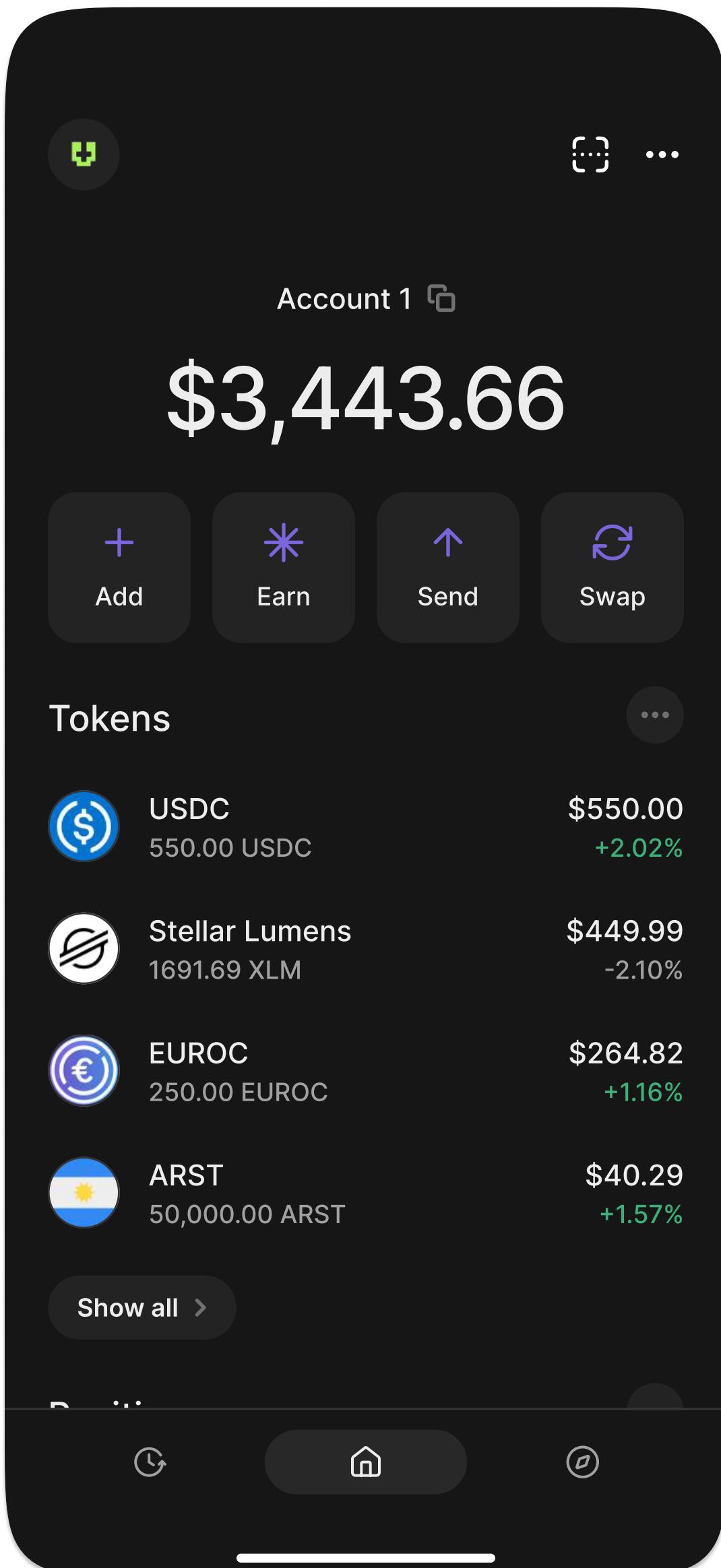
First-time crypto users

DeFi-curious, not native

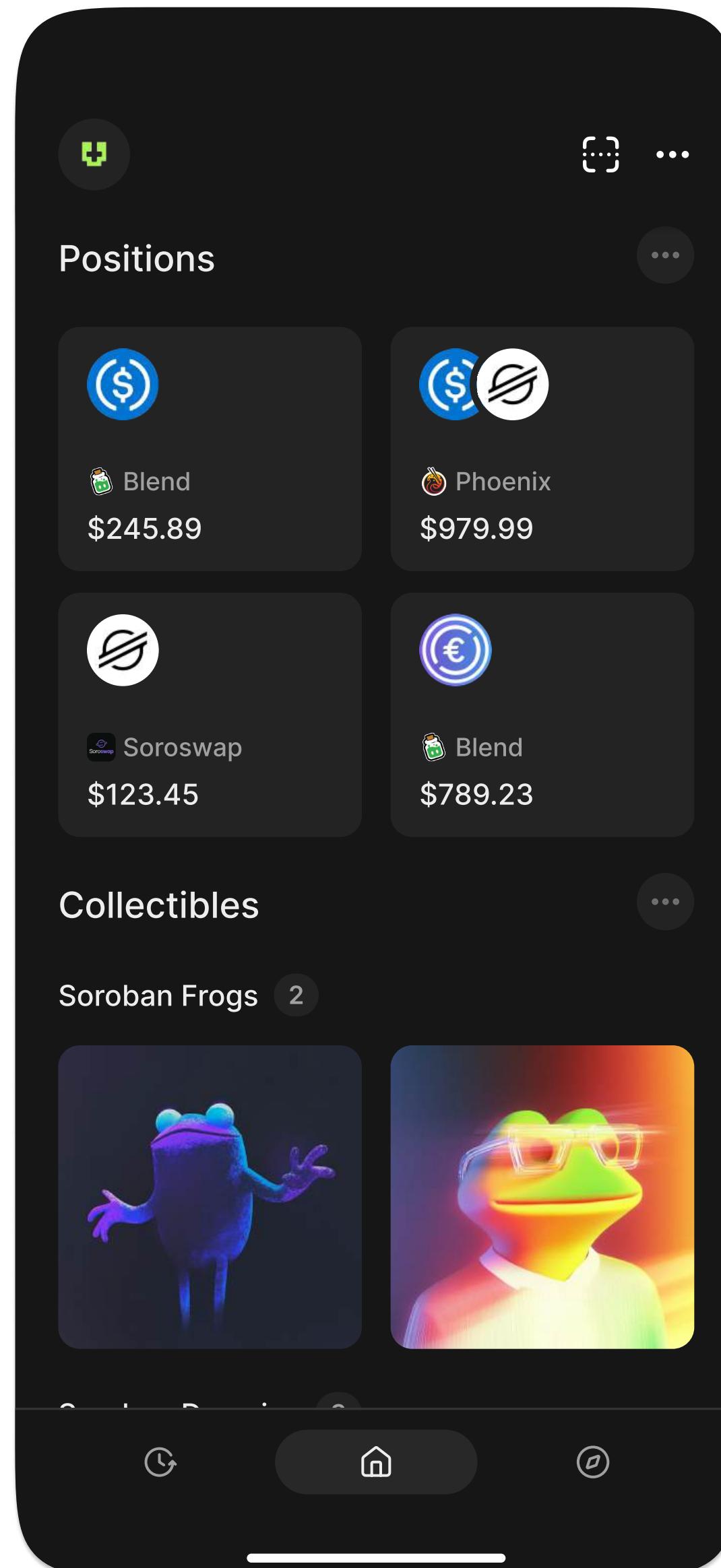
Remittance senders

English-speaking, non-US

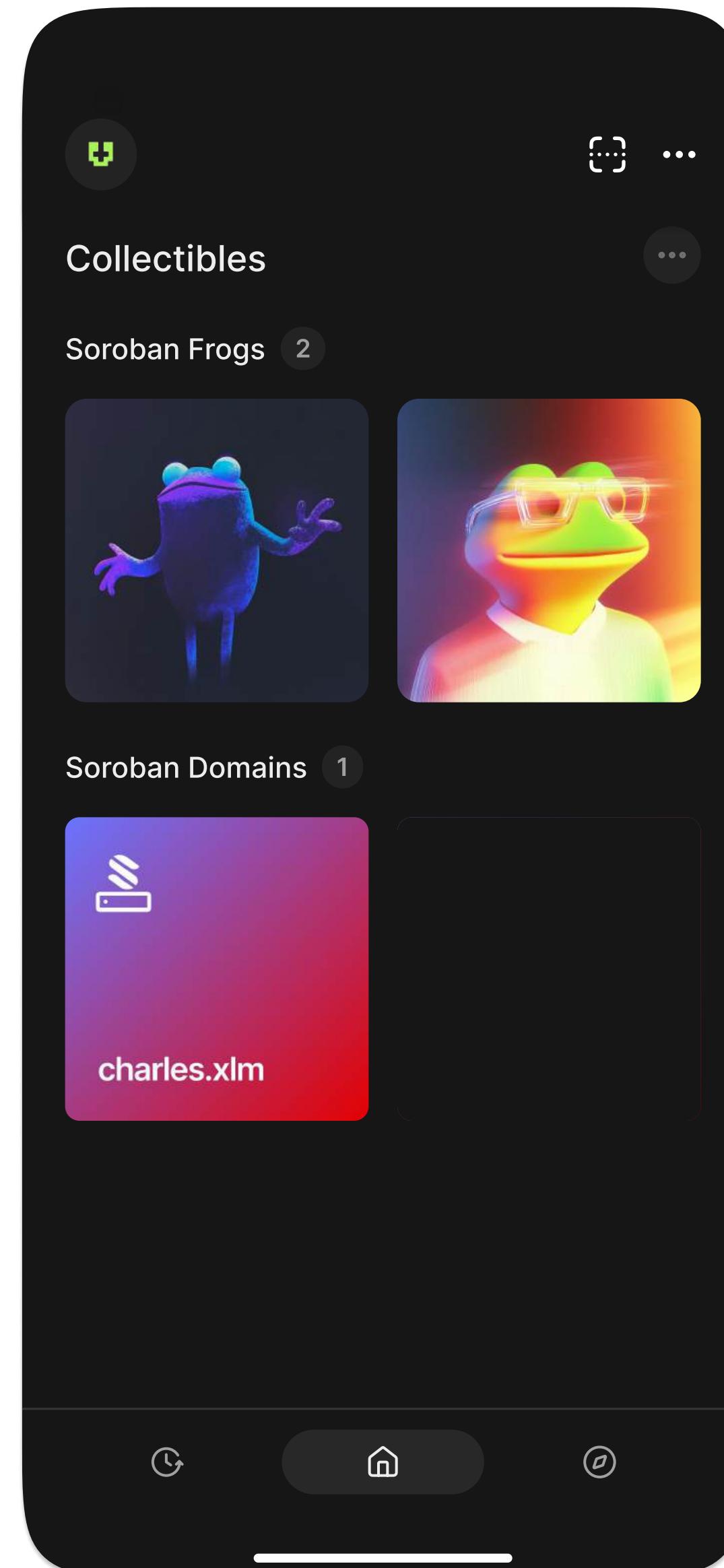




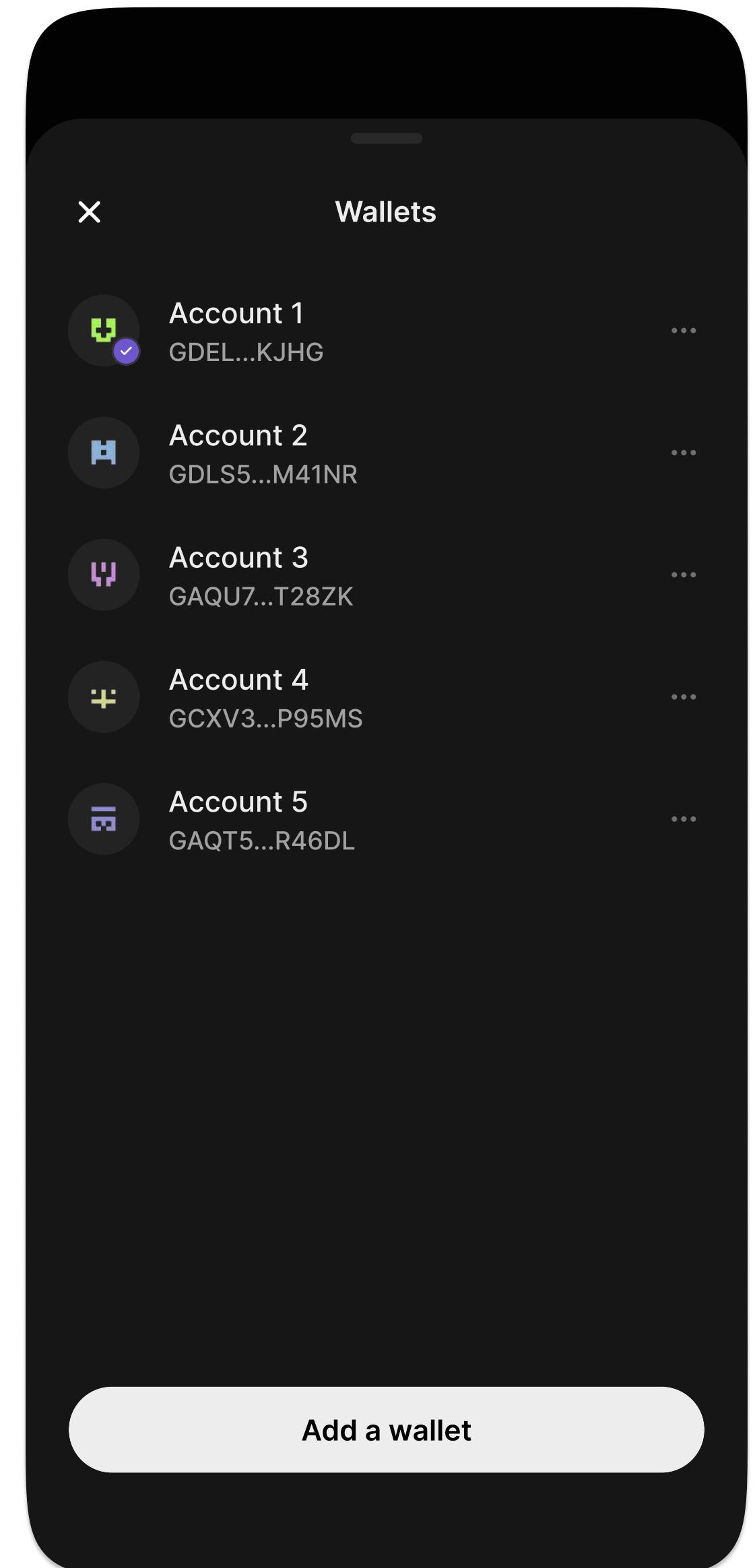
Tokens



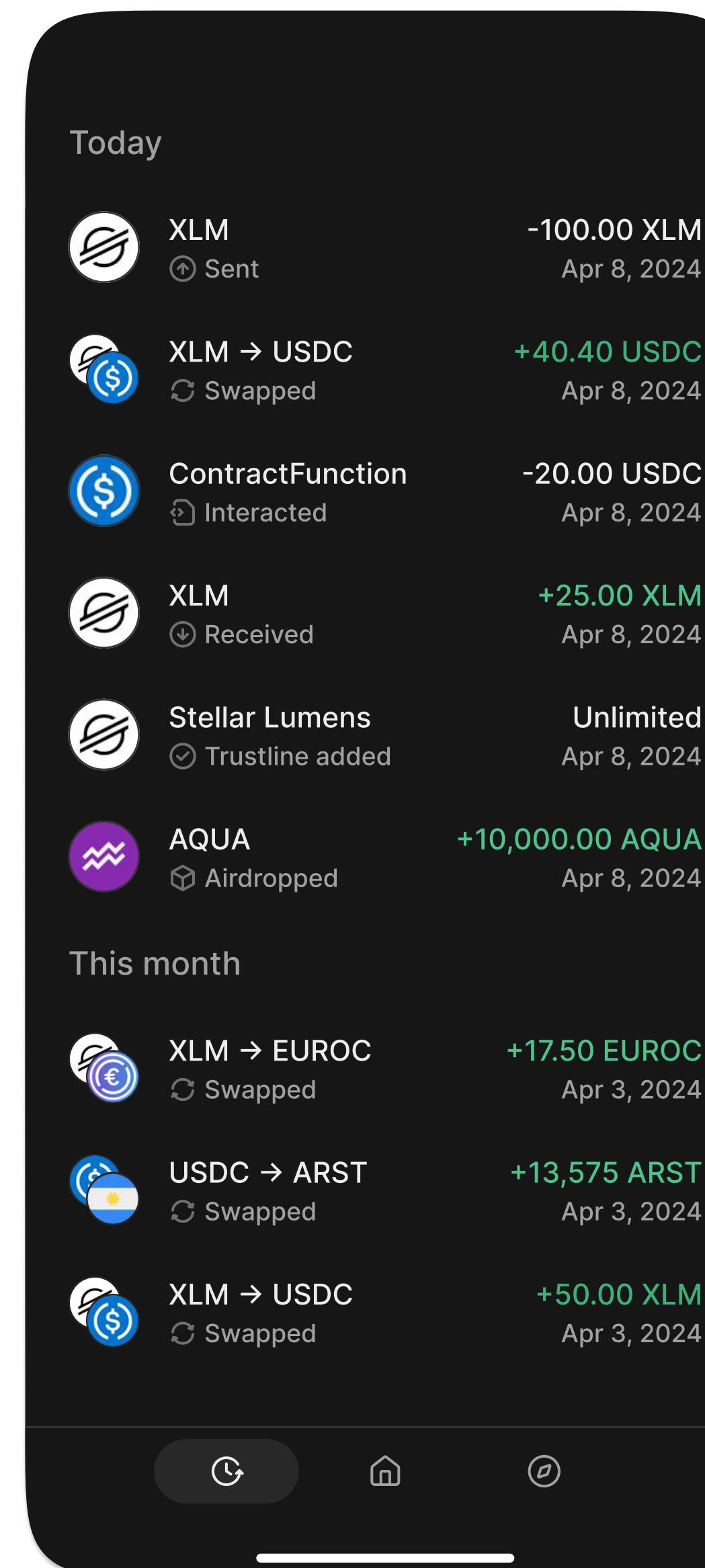
Positions



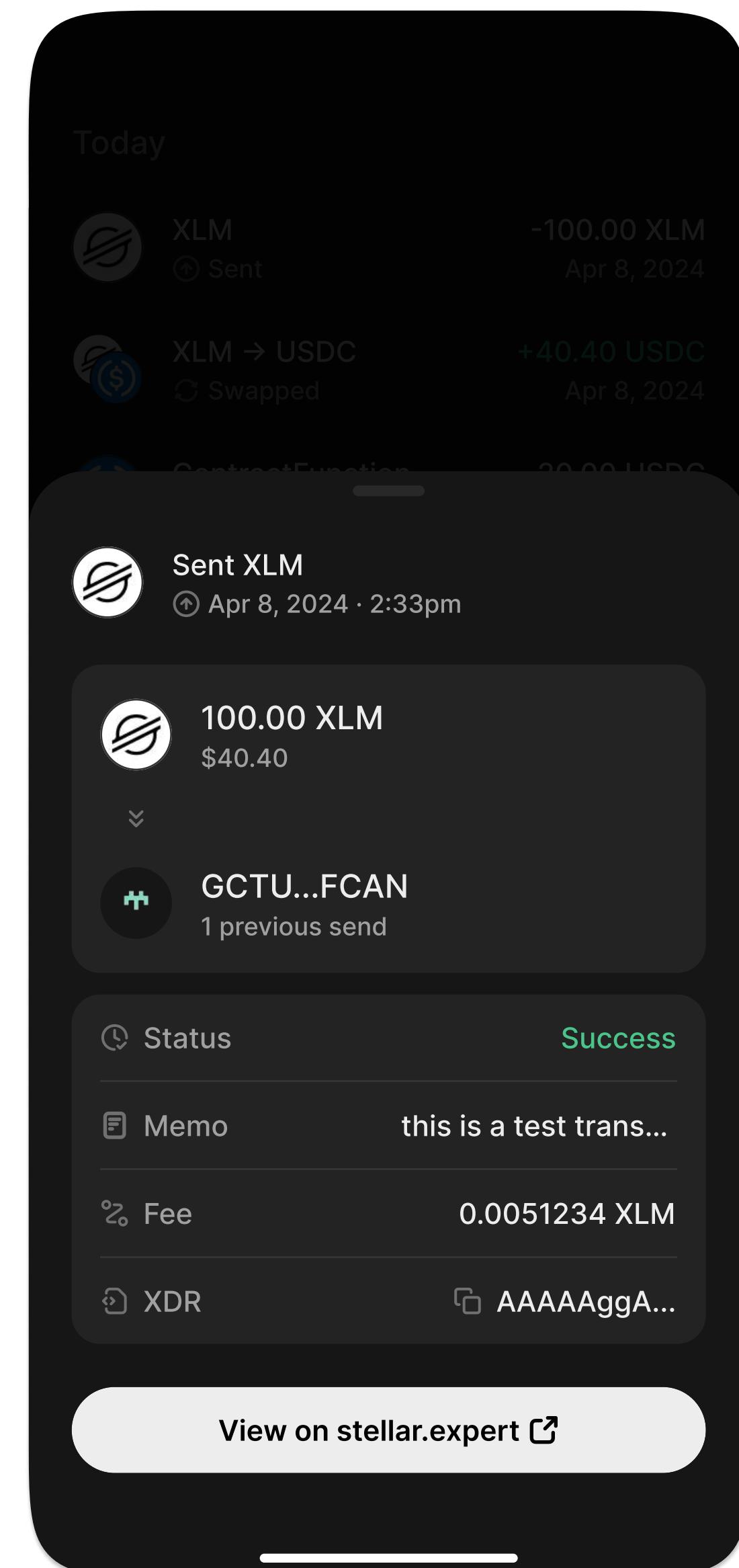
Collectibles



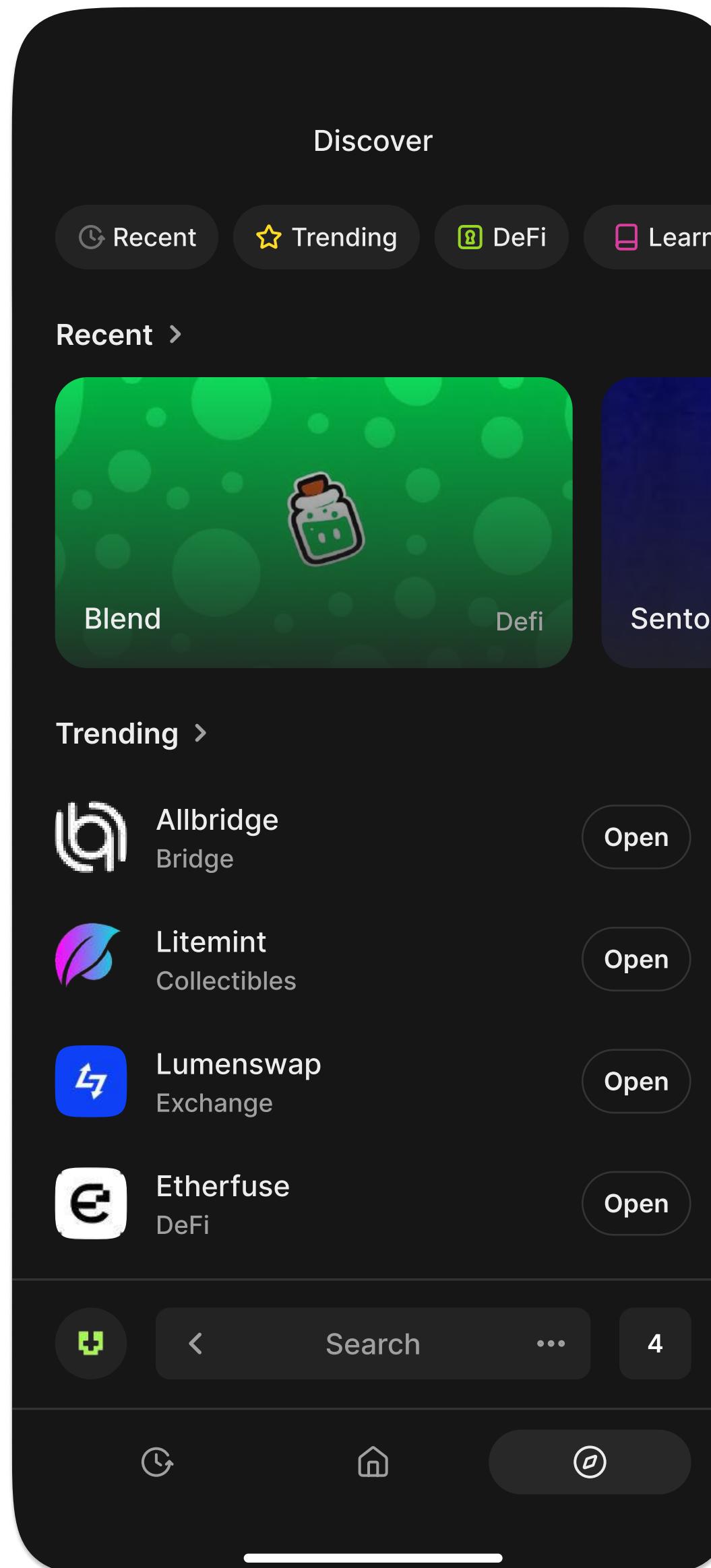
Wallets



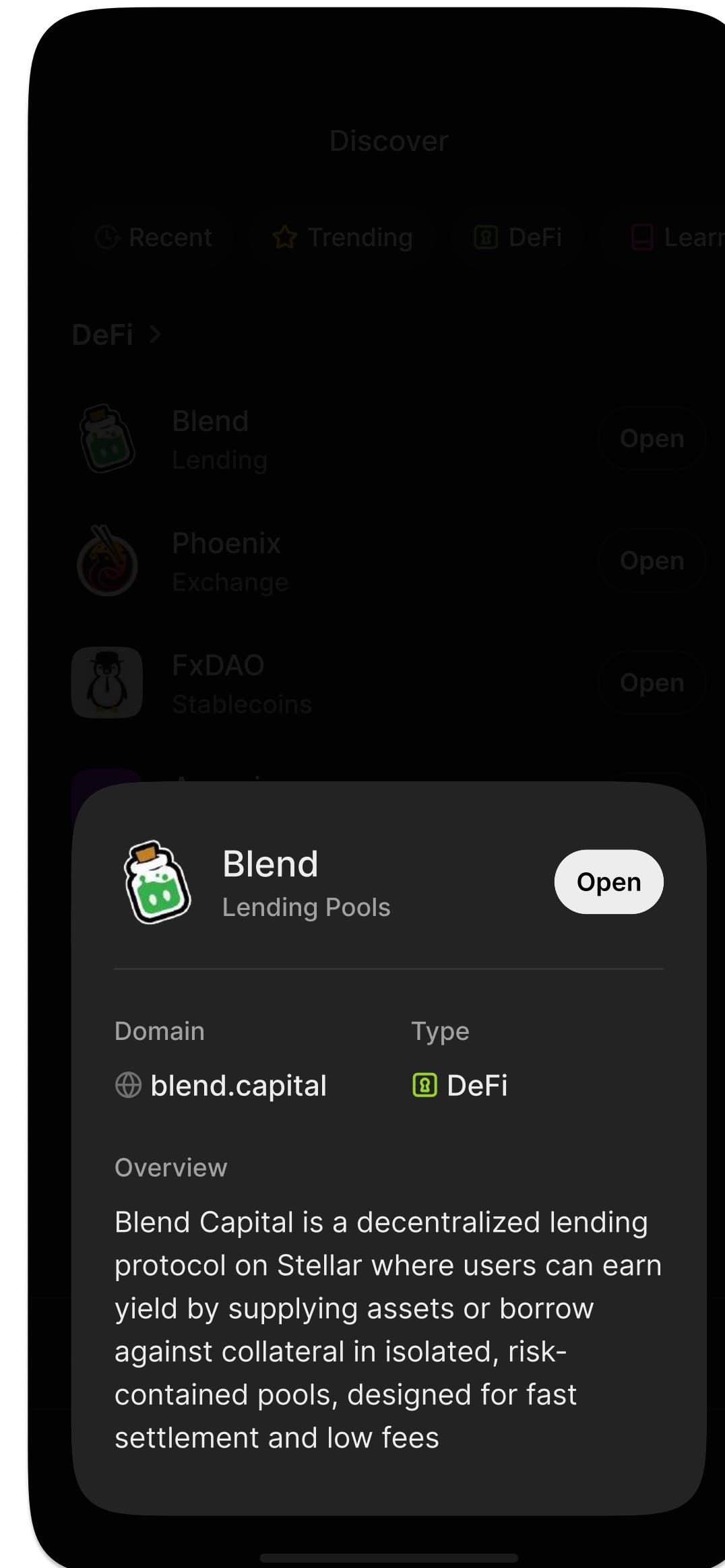
Past Transactions



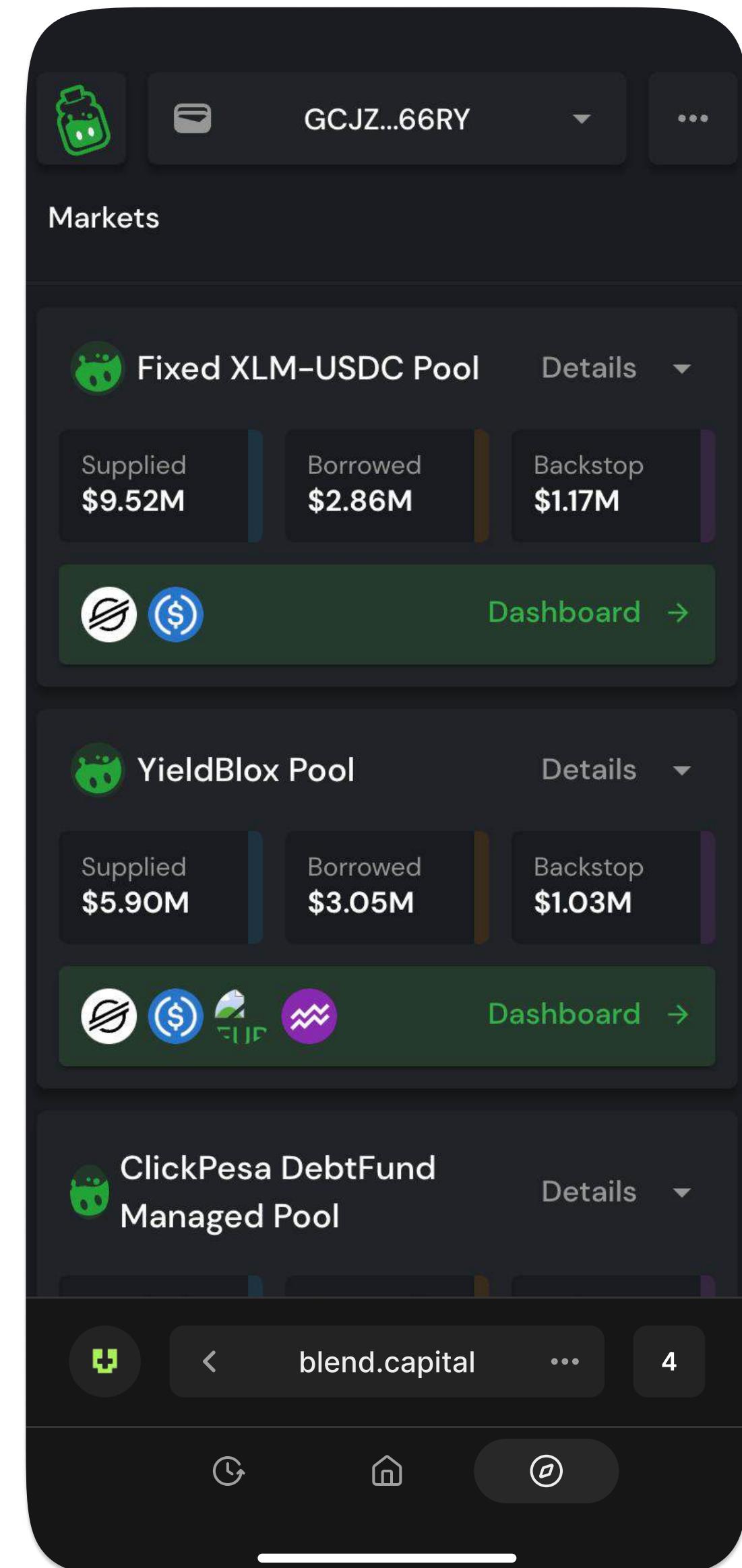
Transaction Details



Gateway to Stellar



Ecosystem Apps

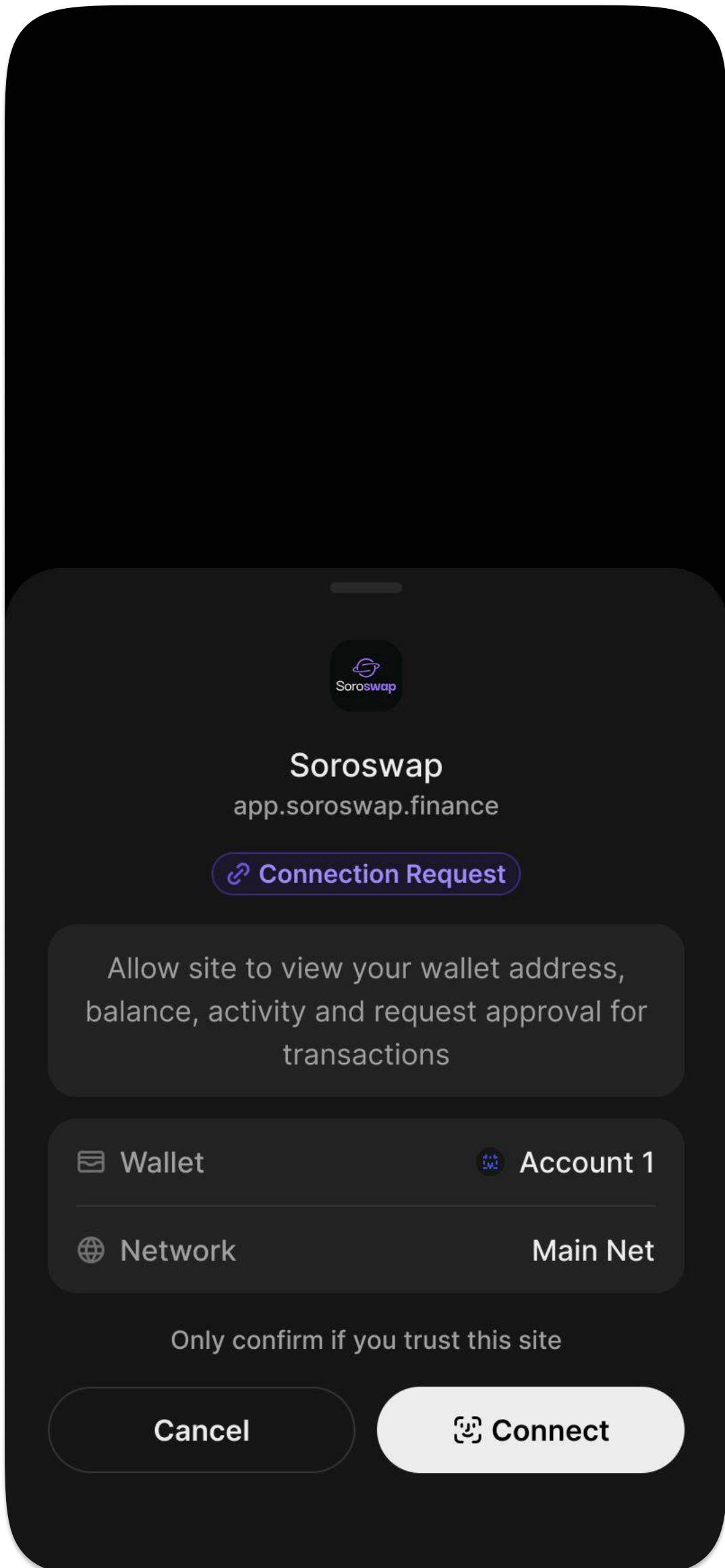


In-app Browser

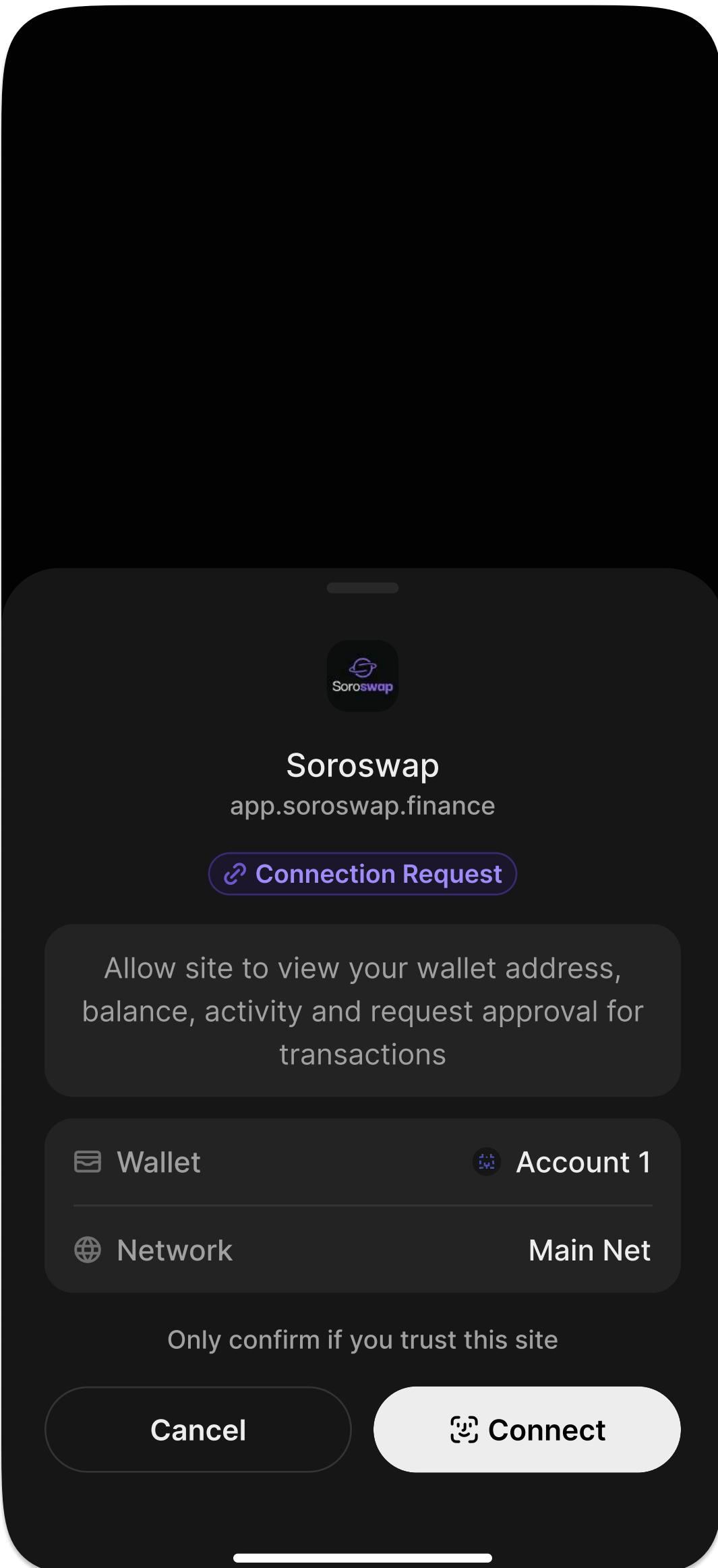
```
// src/features/wallet-connect/sheets.ts
export const SheetId = {

  CONNECTION_REQUEST: "SEND", SWAP: "SWAP",
  ADD_TRUSTLINE: "SIGN_TRANSACTION", SIGN_MESSAGE: "SIGN_MESSAGE",
  UNABLE_TO_SIMULATE: "UNABLE_TO_SIMULATE"

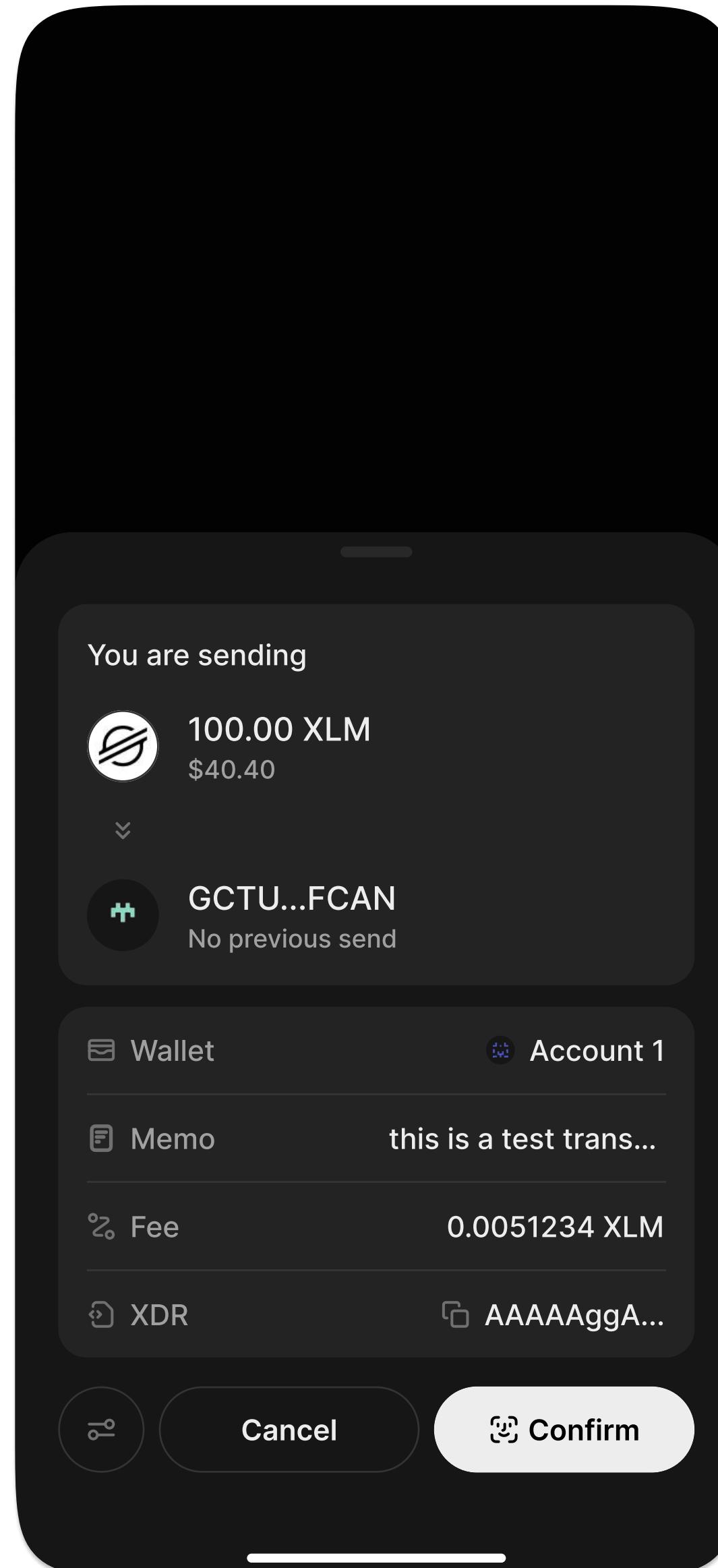
} as const;
```



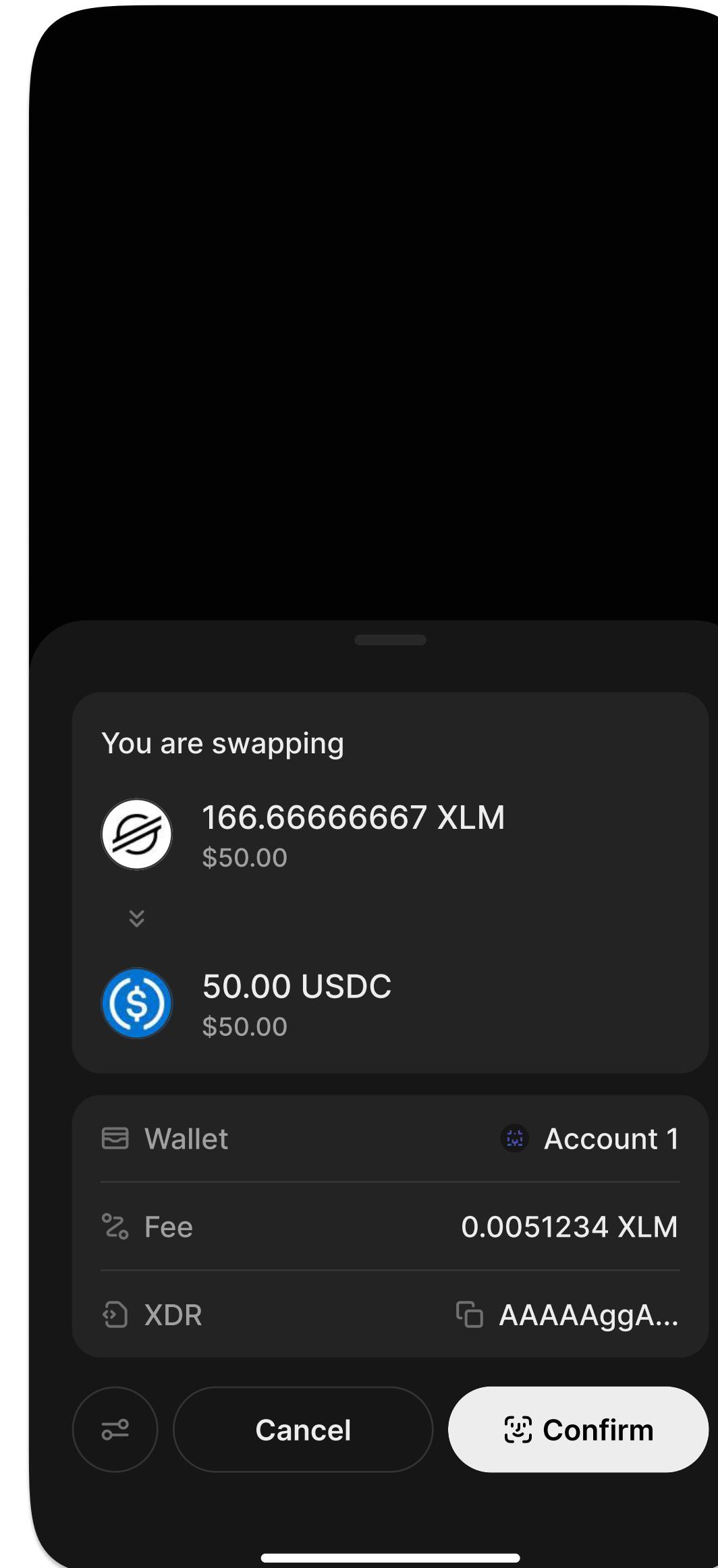
Review Transaction



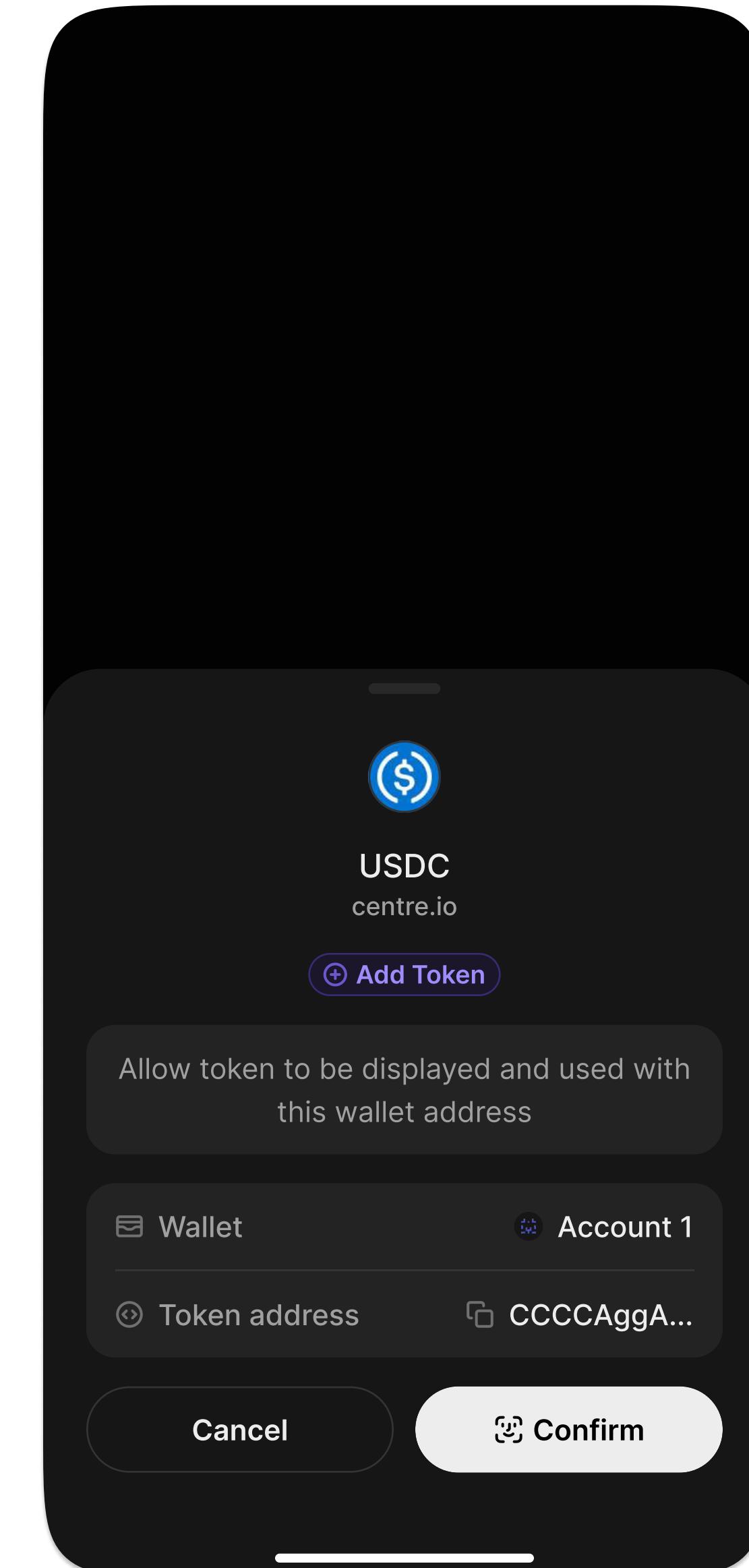
Connection Request



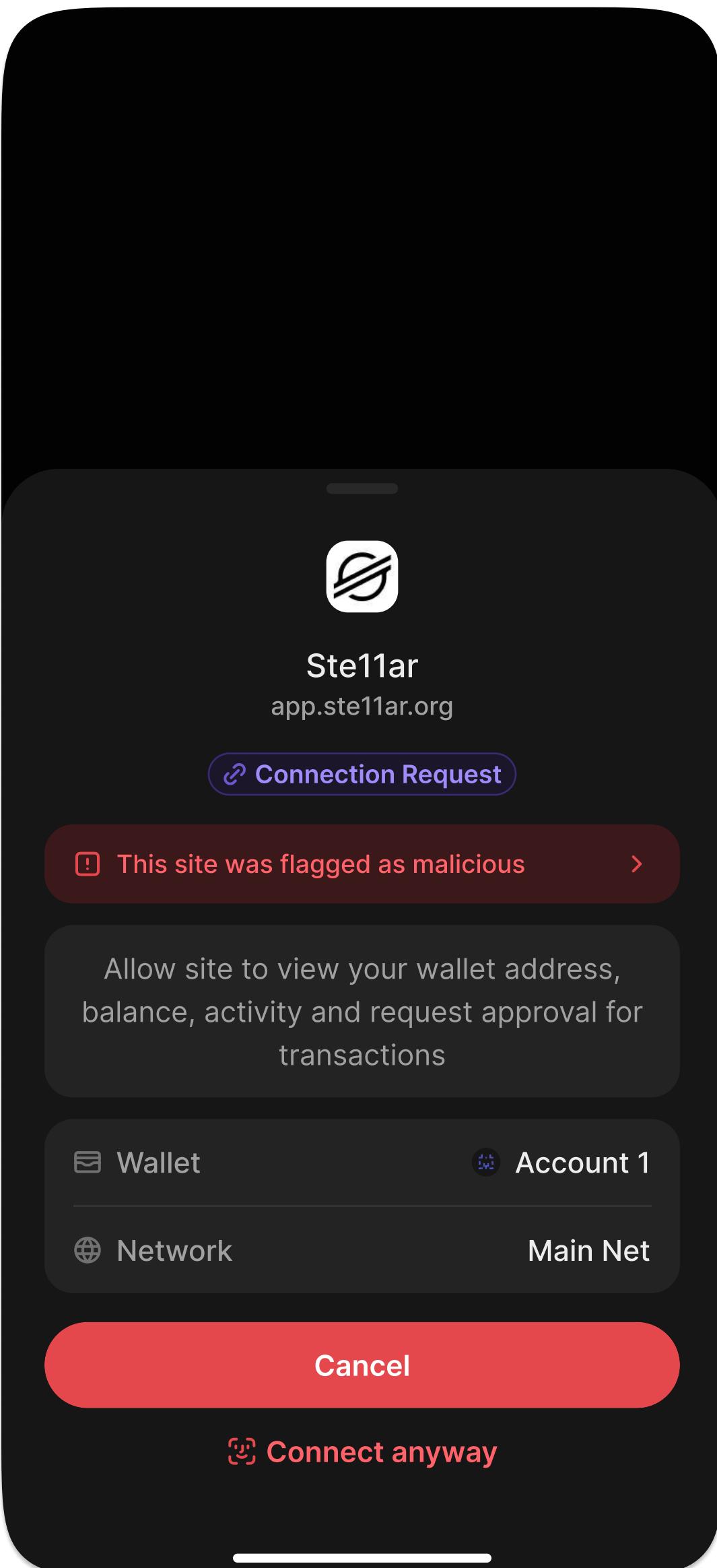
Send



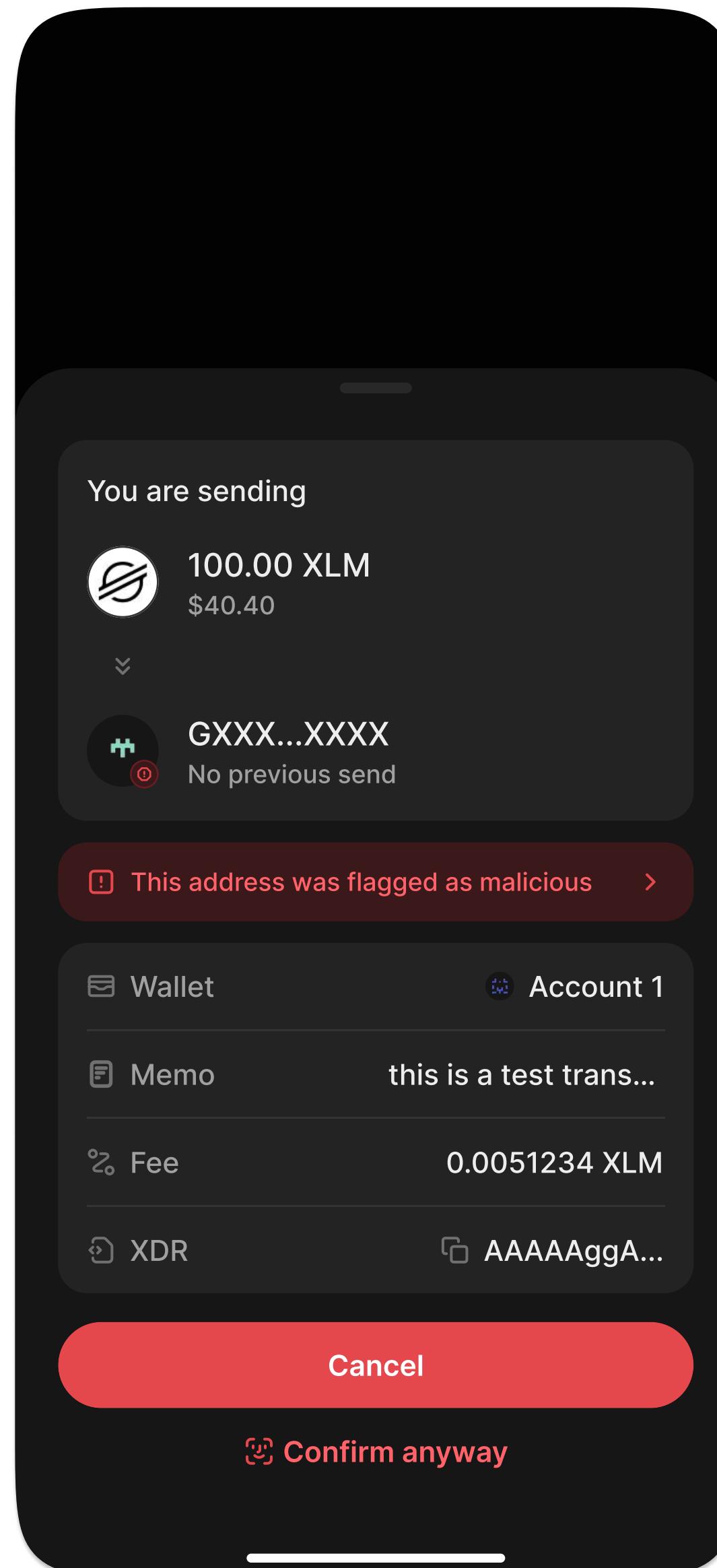
Swap



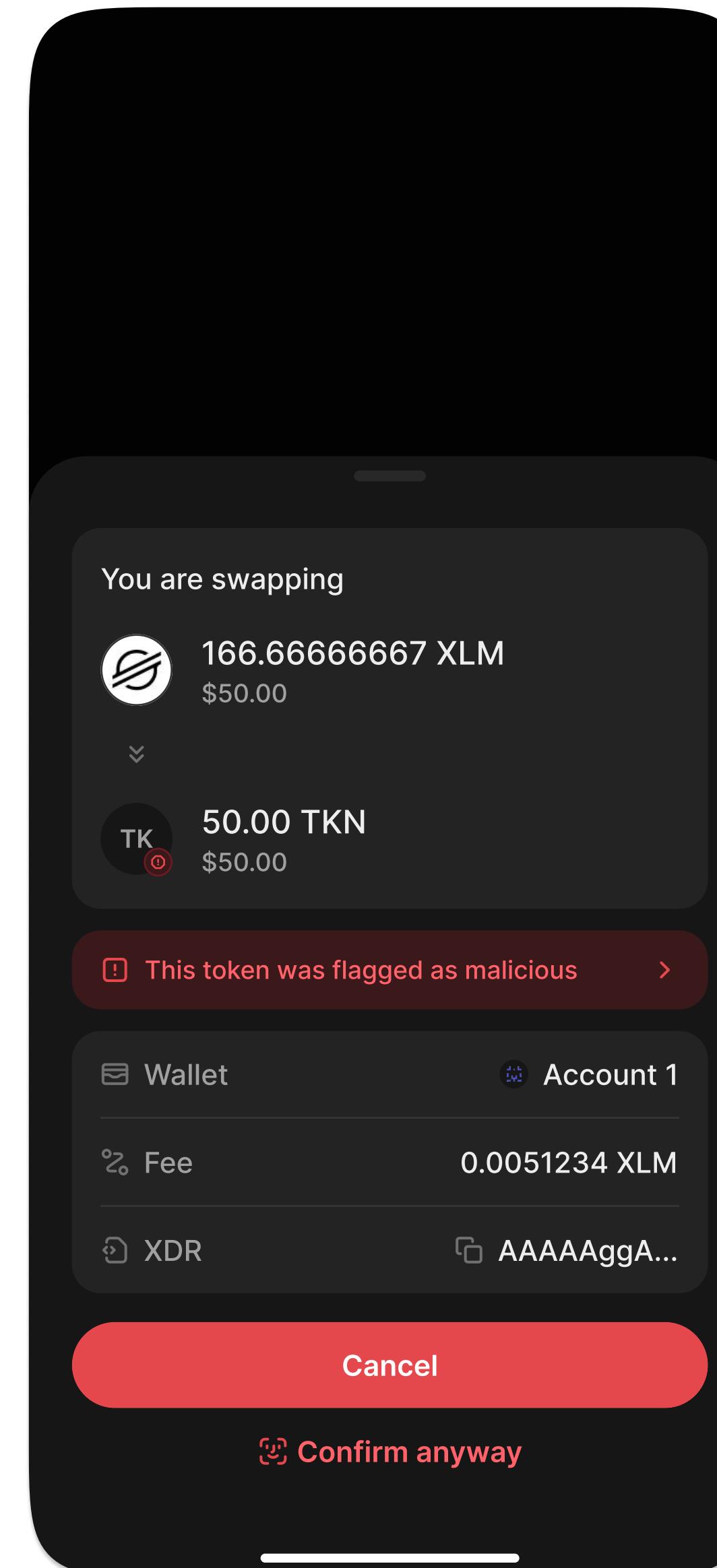
Add a Trustline



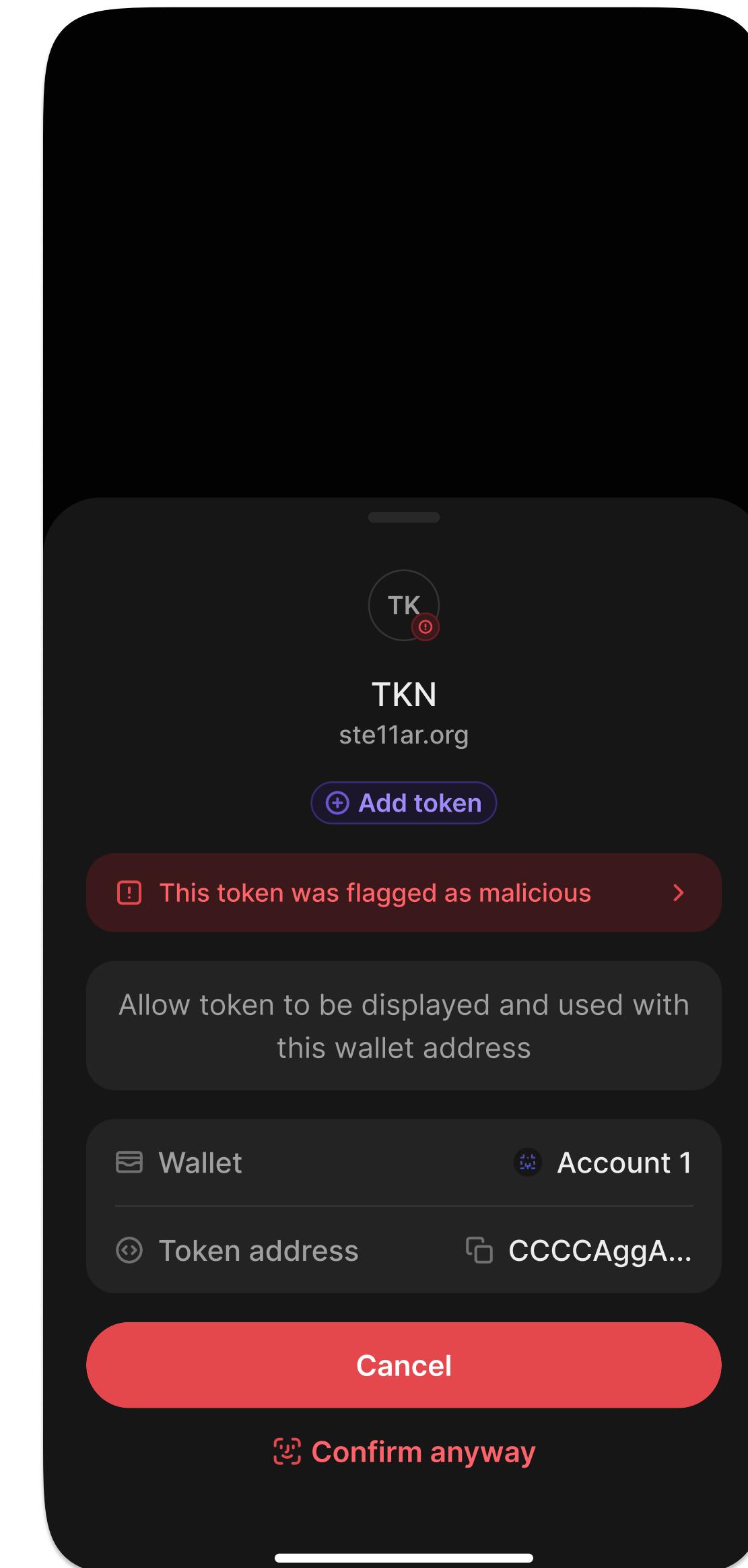
Connection Request



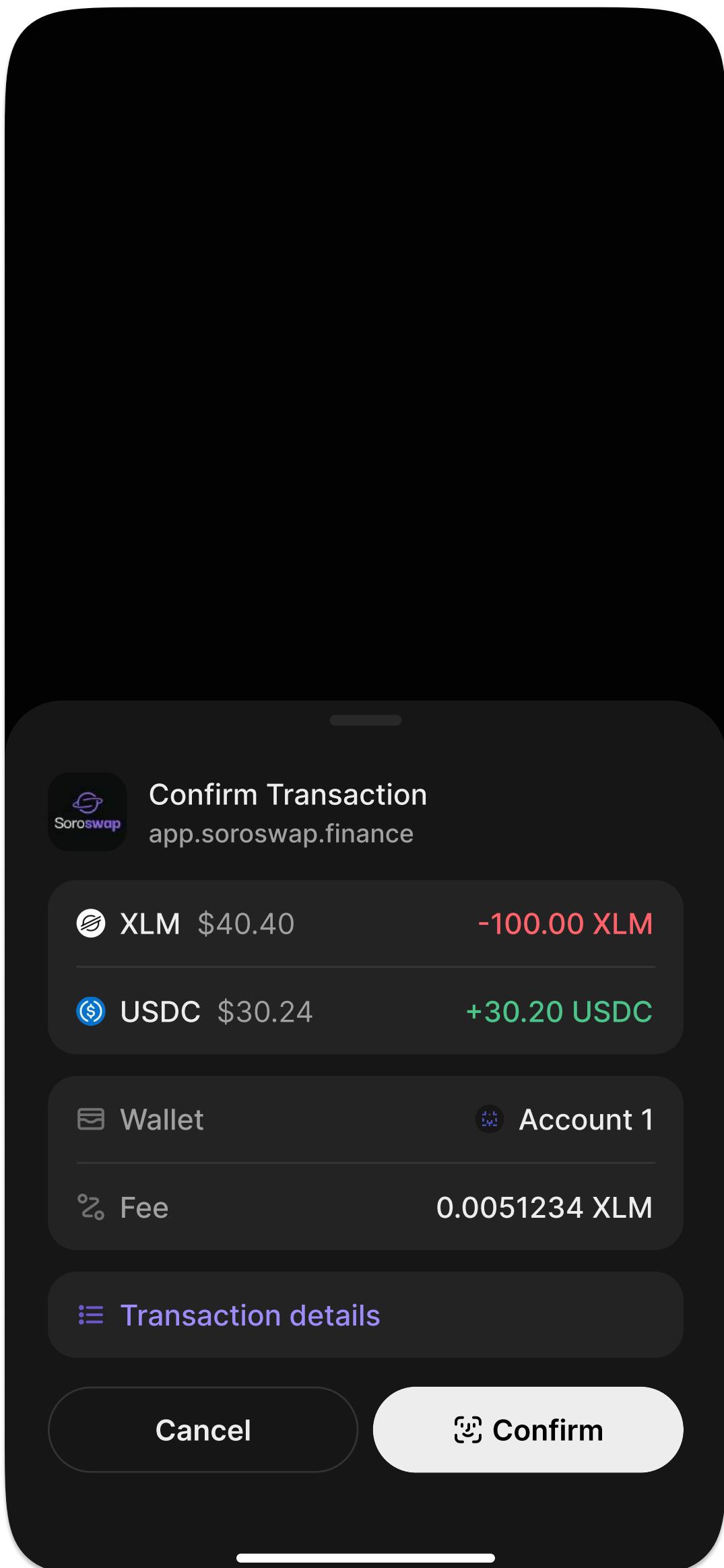
Send



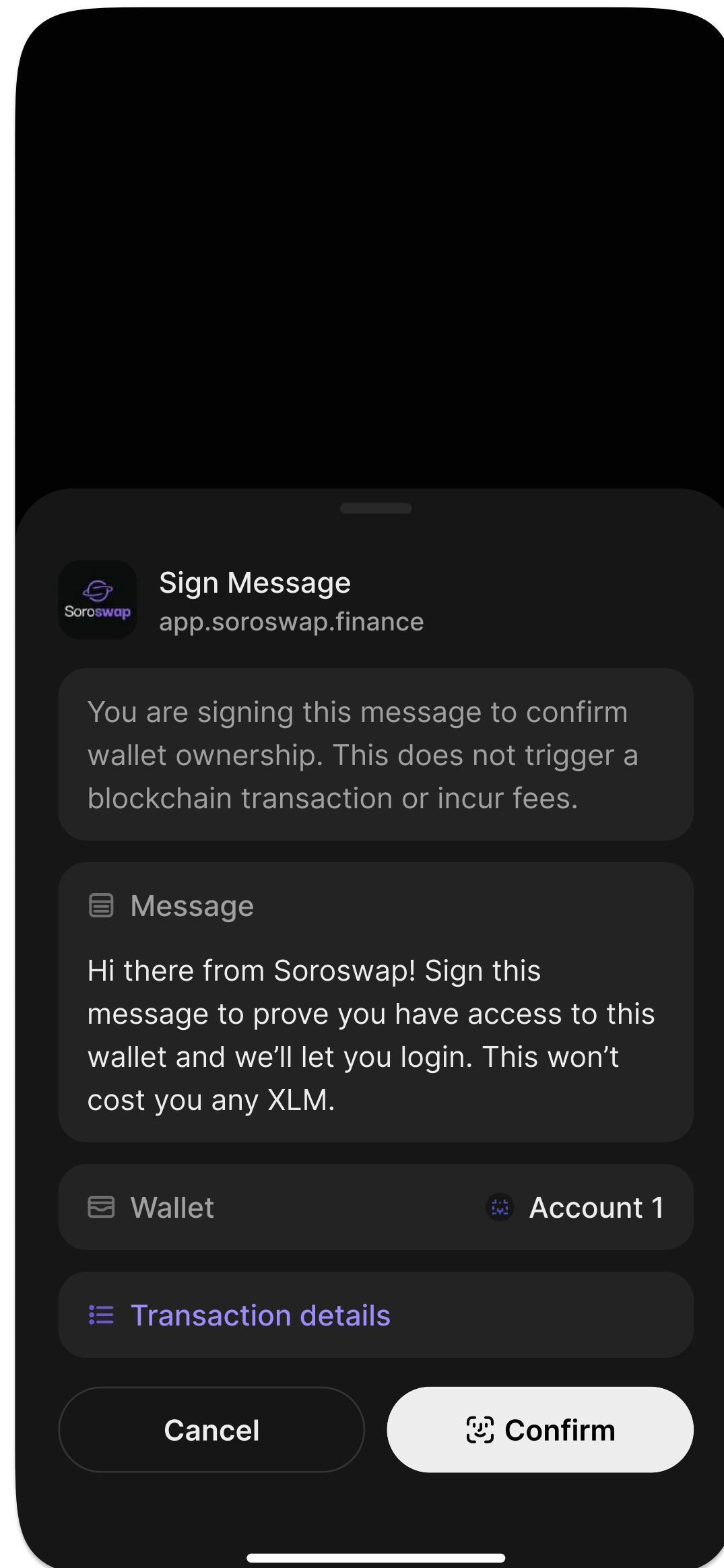
Swap



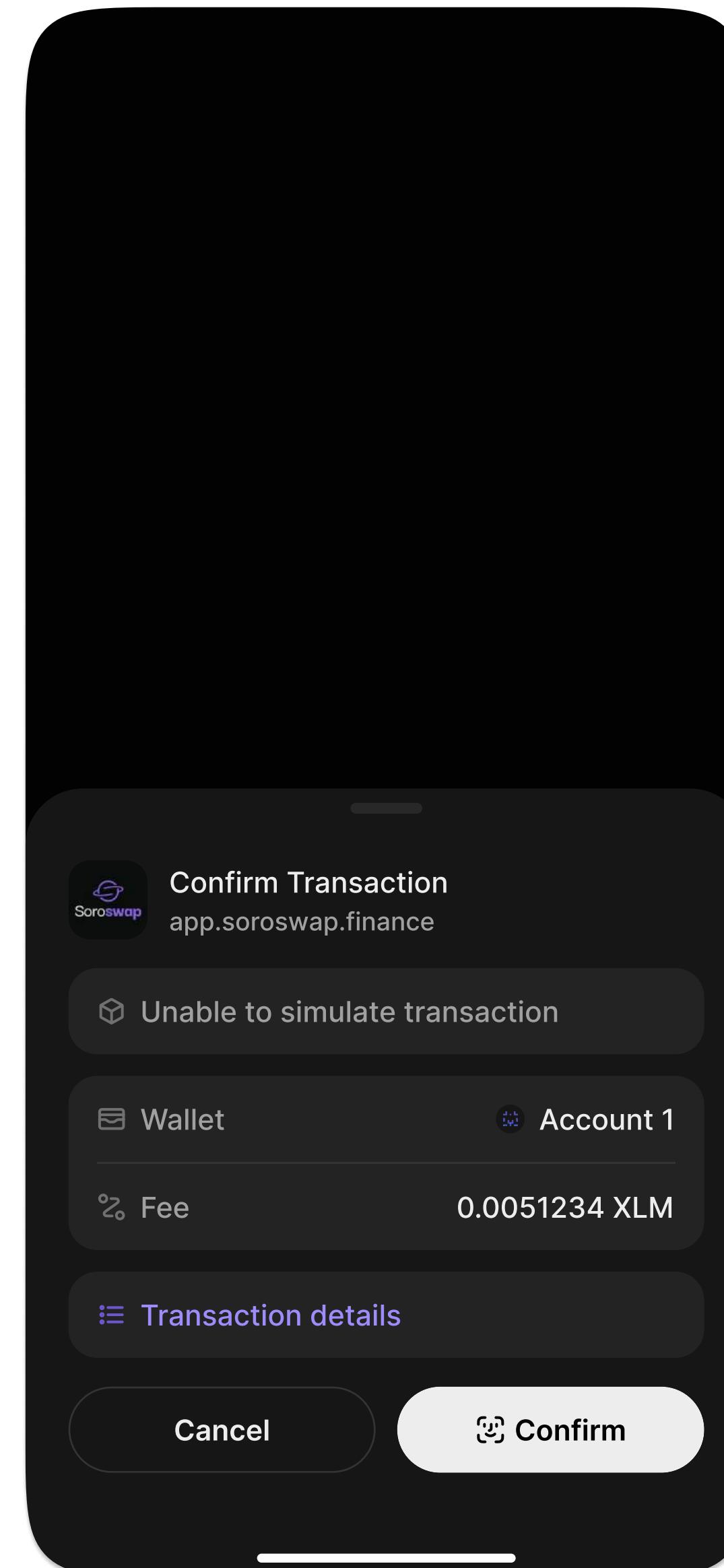
Add a Trustline



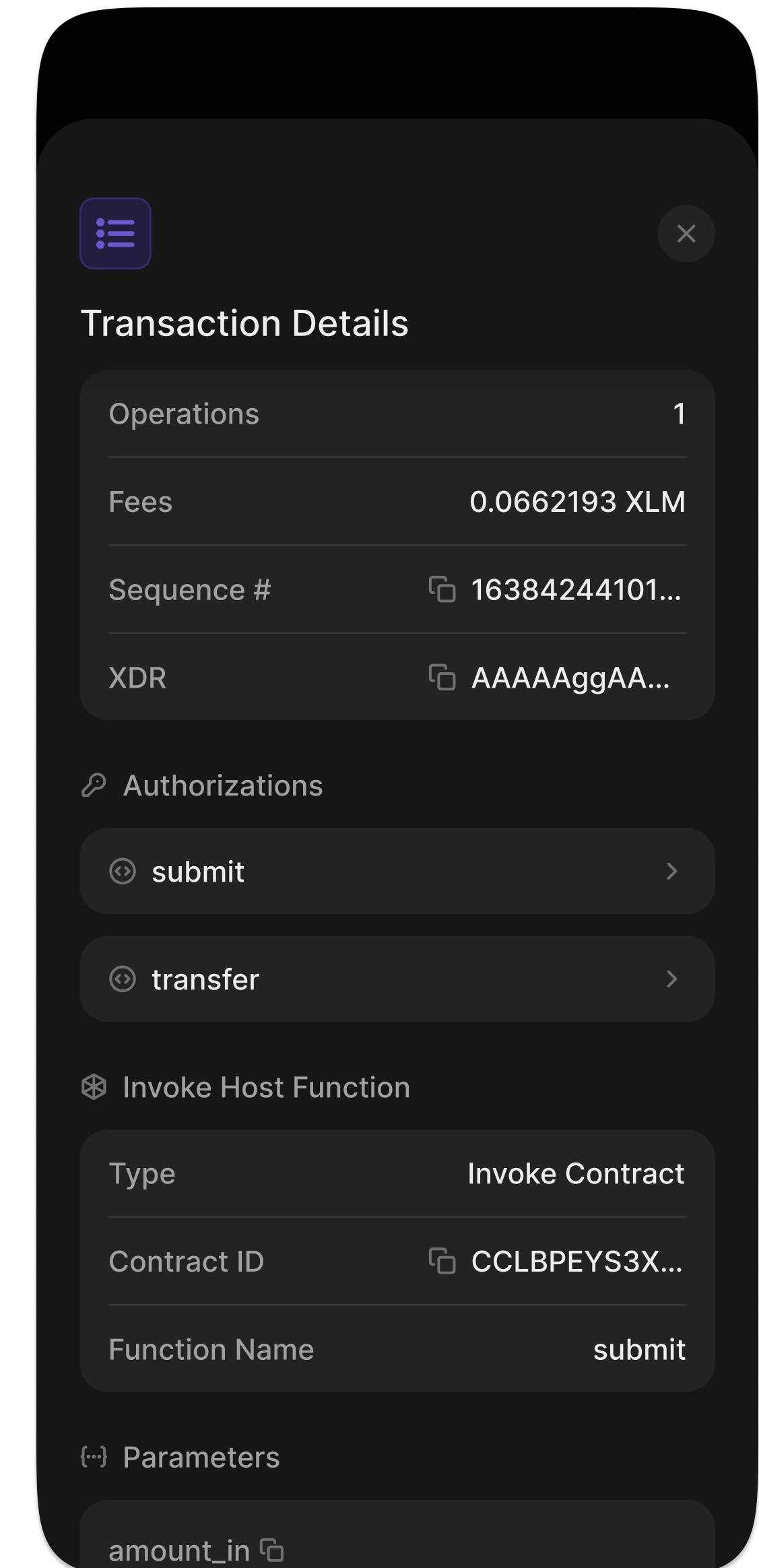
Sign Transaction



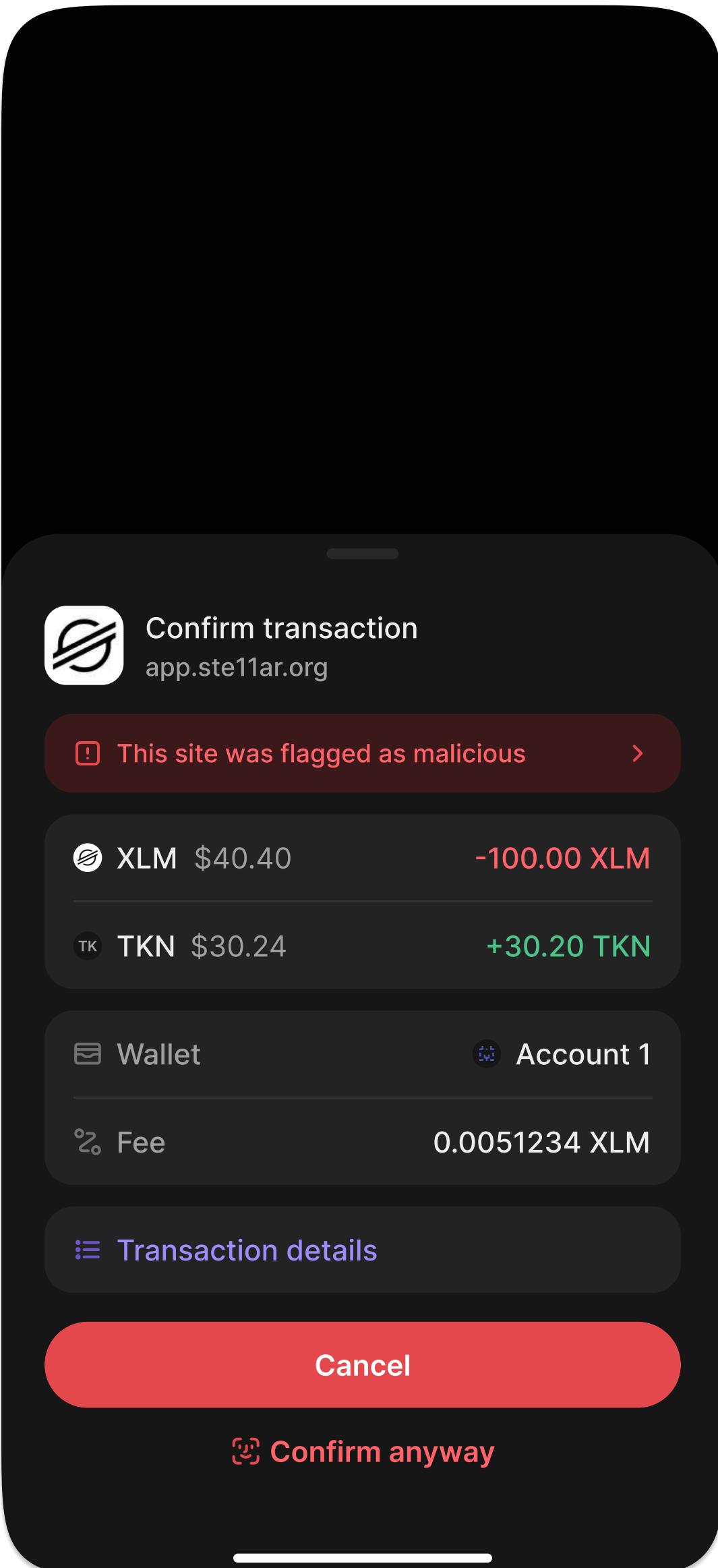
Sign Message



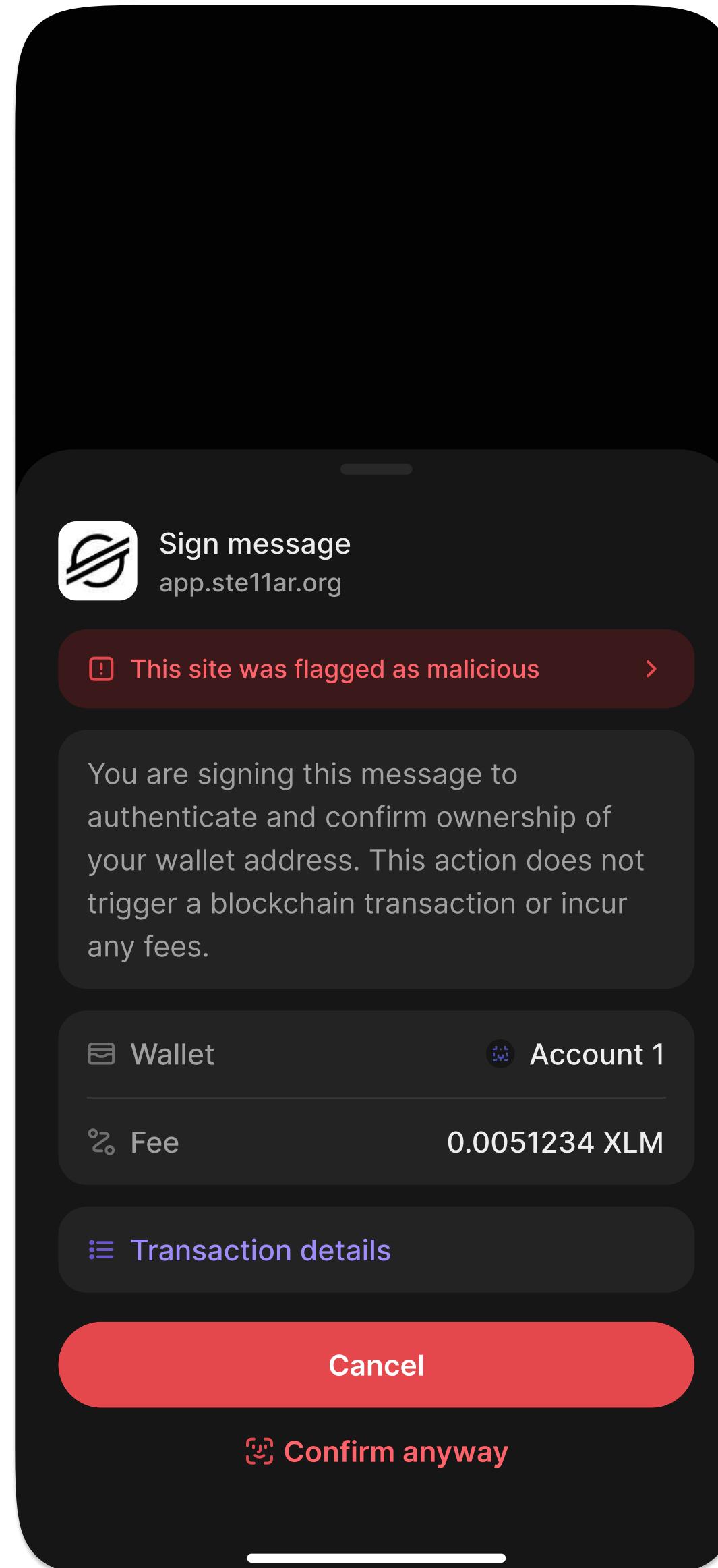
Unable to Simulate



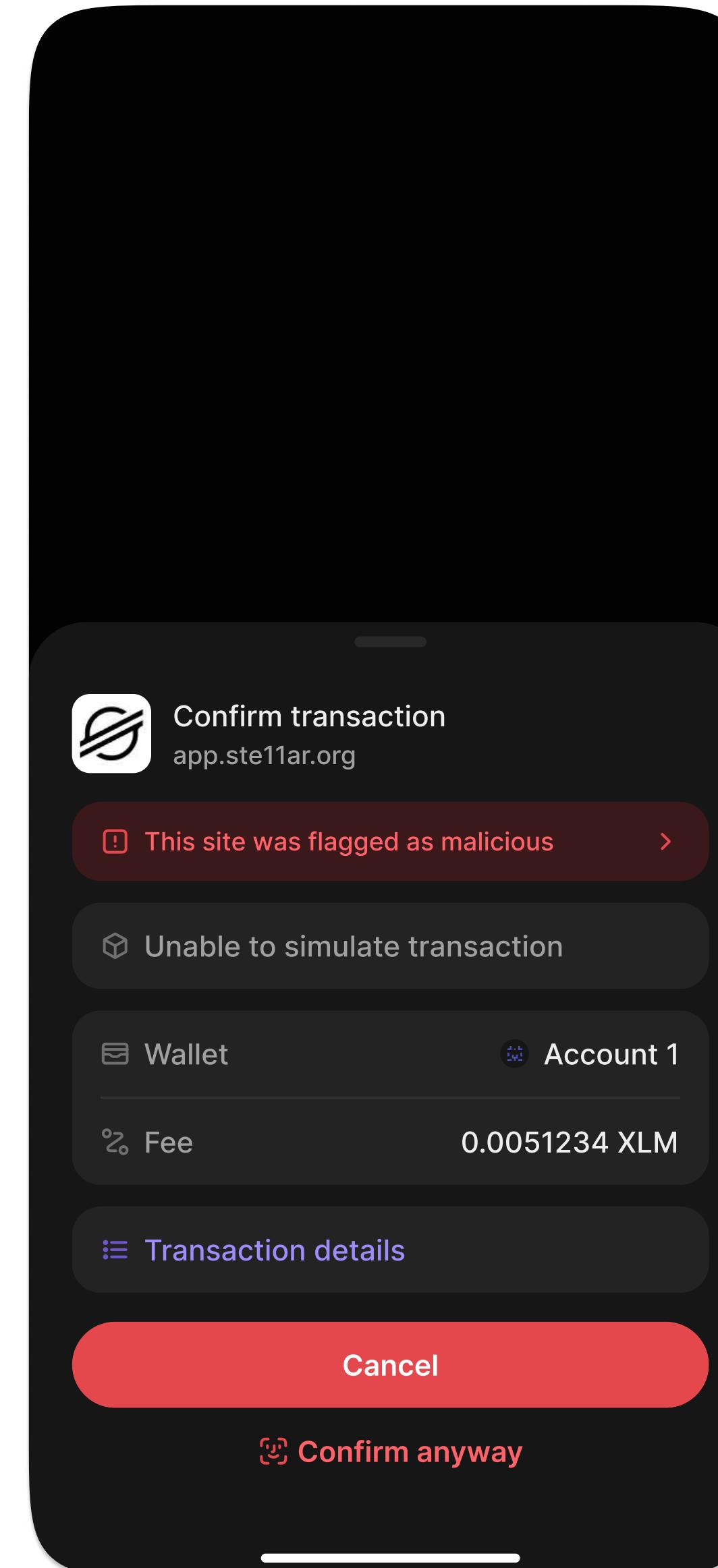
Transaction Details



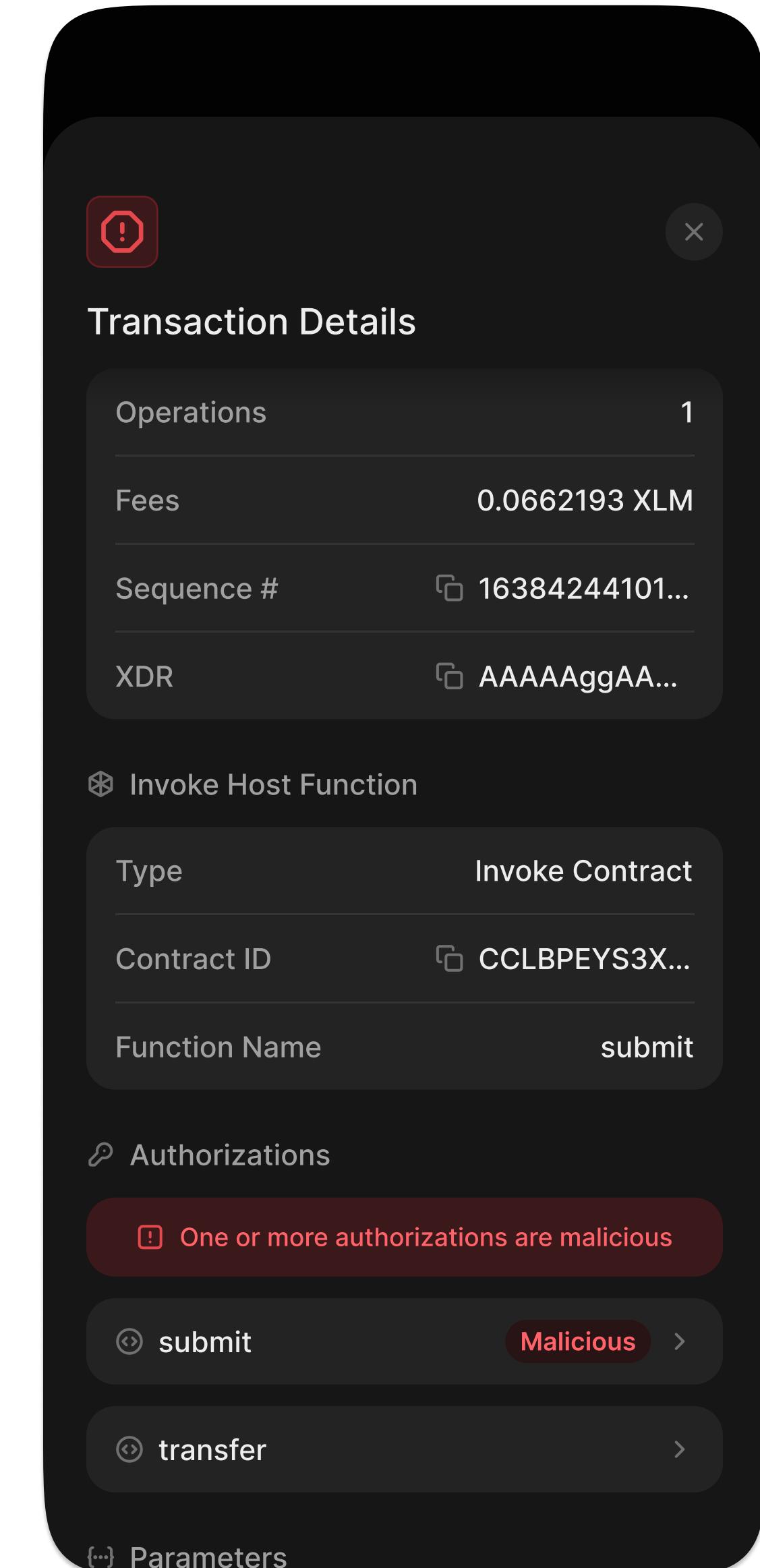
Sign Transaction



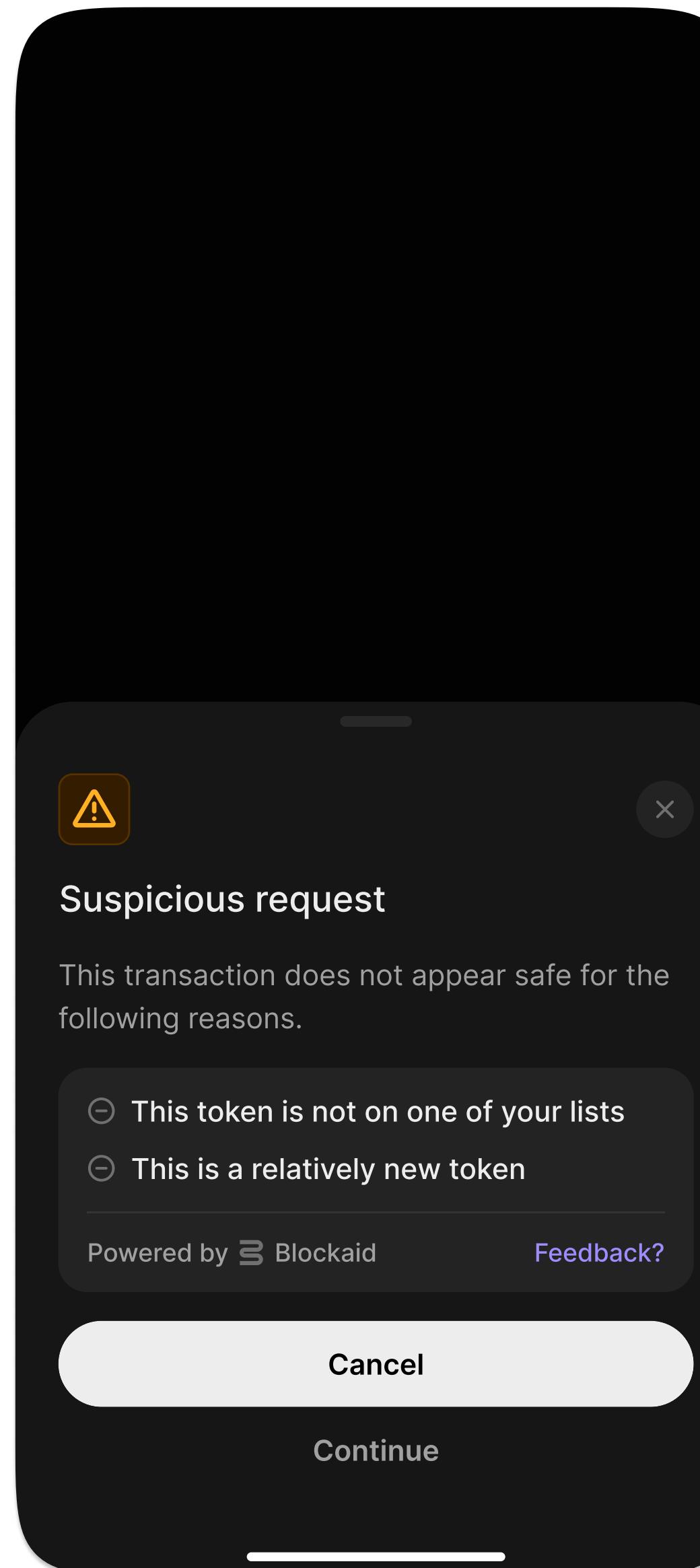
Sign Message



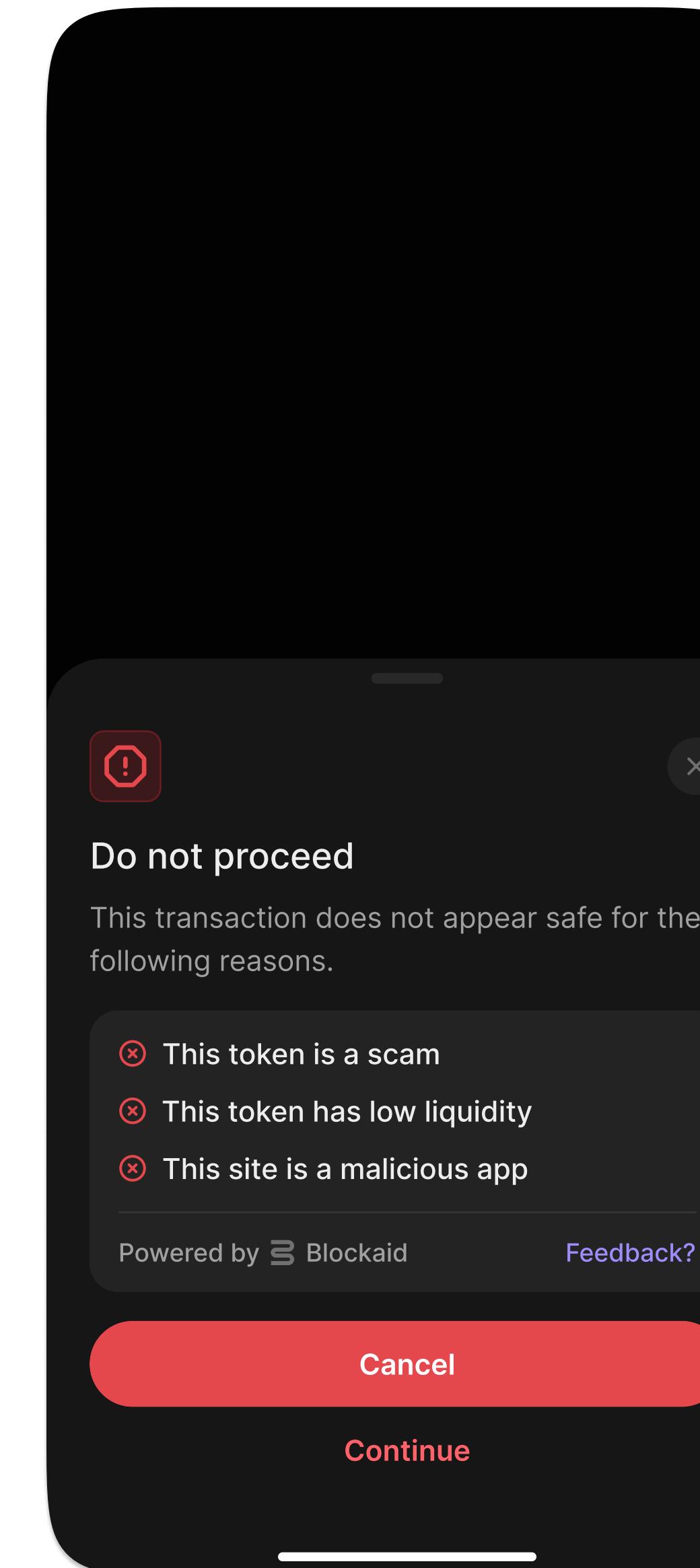
Unable to Simulate



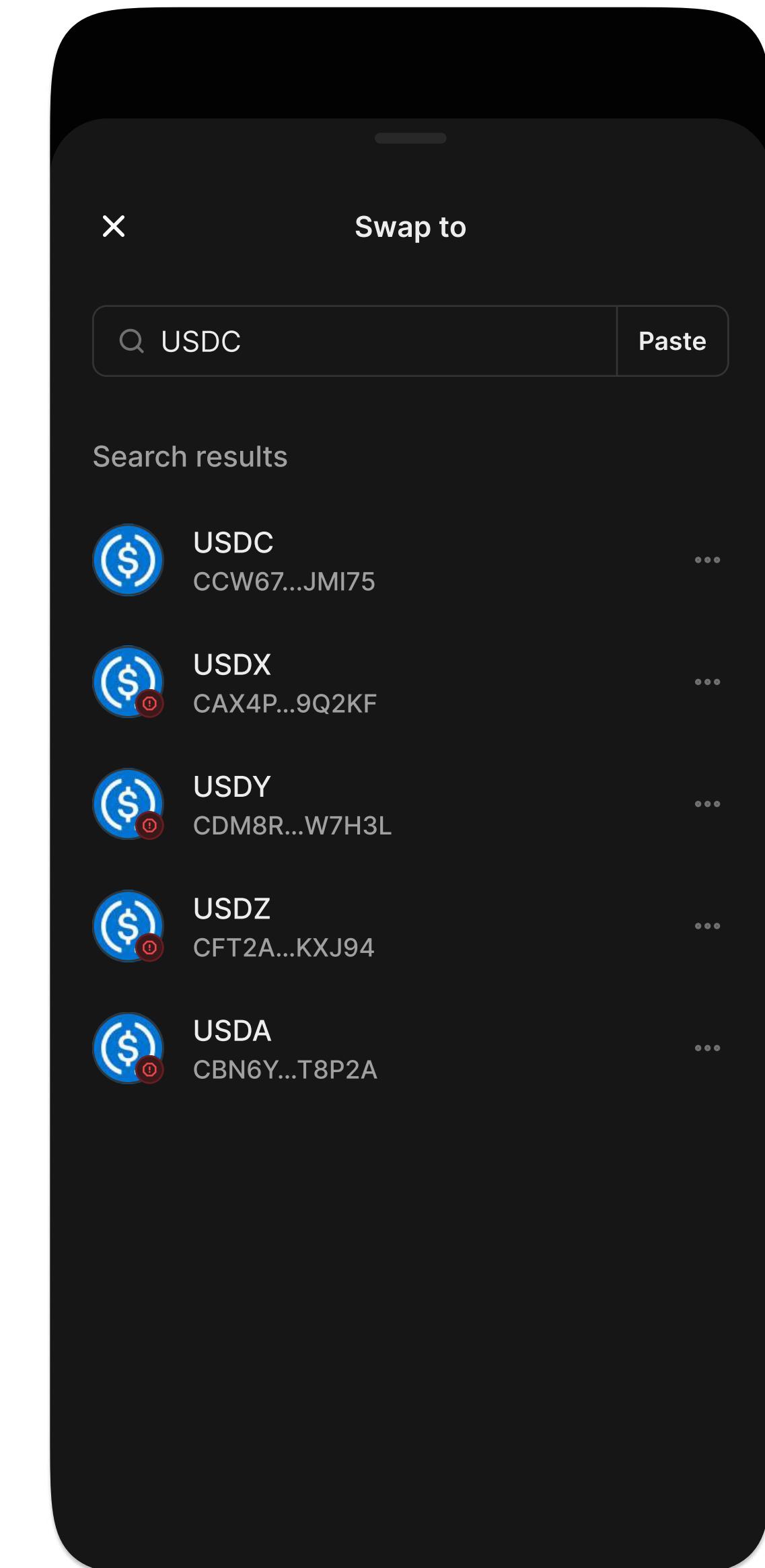
Transaction Details



Blockaid (Suspicious)



Blockaid (Malicious)



Unable to Simulate

Takeaways

Freighter Mobile launched at Meridian in September 2025. It's grown to 3K monthly active users. No traditional marketing, so we're getting creative with distribution.

Building in phases felt safe, but a lot of that work only served the team. Prioritize what benefits users, not the process. Ship to real hands sooner.

ERROR STATES ARE FIRST IMPRESSIONS

Crypto is already unfamiliar. Don't add friction to anxiety. Lean into patterns people trust. Familiar interactions make unfamiliar actions feel safe.

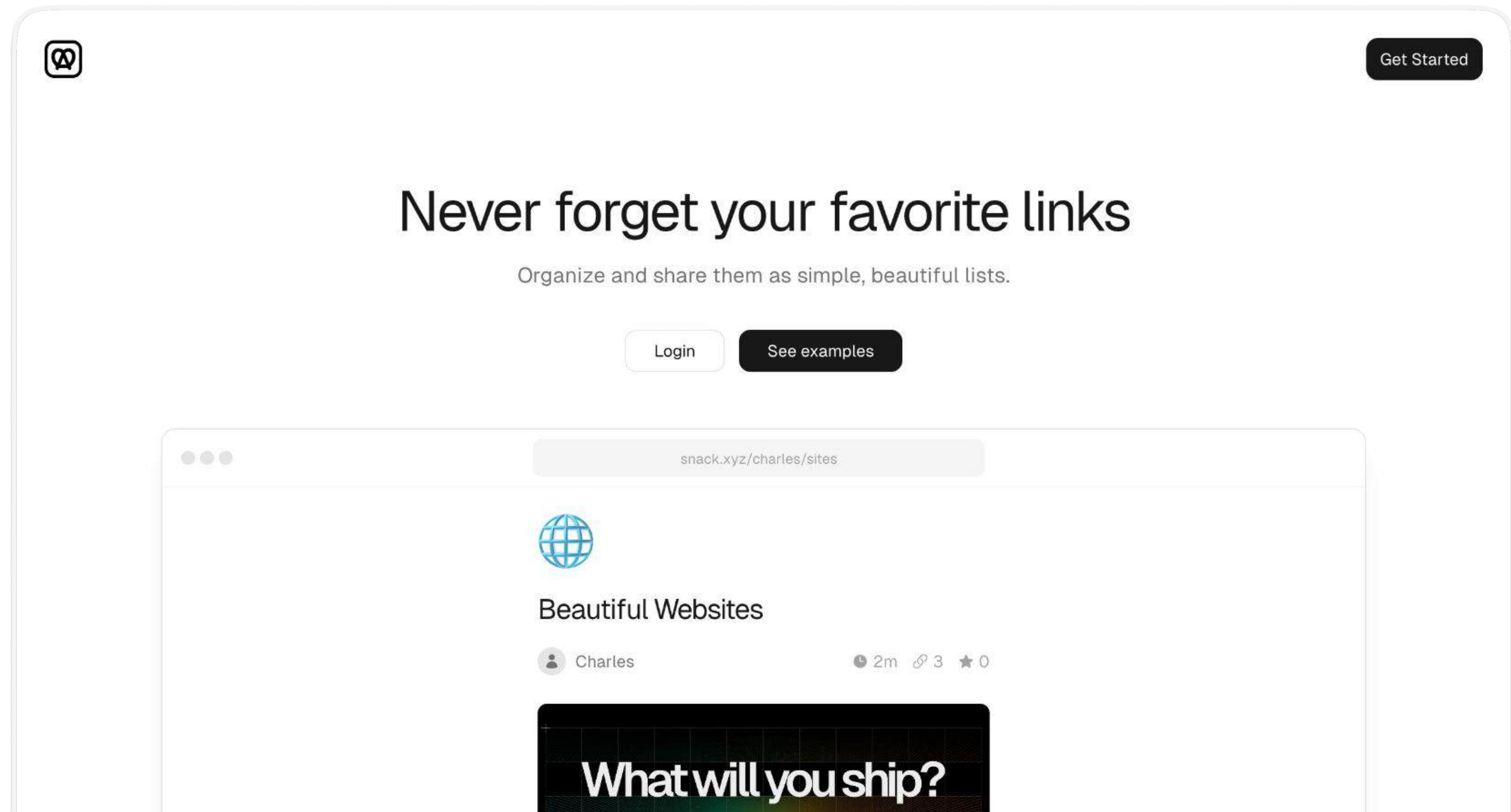


Snack

Snack

the simplest way to save
and share links

Snack started when I tried to build a directory of the best crypto websites. Every directory was custom-built, and there was no simple tool to create and manage one.



The image shows the Snack website. At the top left is the Snack logo, and at the top right is a "Get Started" button. Below the header is a large call-to-action button with the text "Never forget your favorite links". Underneath it, a subtext reads "Organize and share them as simple, beautiful lists.". At the bottom of the main section are two buttons: "Login" and "See examples". Below this is a screenshot of a browser window displaying a link preview for "snack.xyz/charles/sites". The preview includes a globe icon, the title "Beautiful Websites", the author "Charles", a timestamp "2m", a rating "3", and a star count "0". A large, bold, semi-transparent overlay at the bottom of the screenshot contains the text "What will you ship?".

● Context

Last year I spent \$30,000 out of pocket on an agency MVP, and it became too costly to continue. Then Claude Code came out and I rebuilt everything and more from scratch within a month.

● Principles

- Clean, unopinionated design
- Minimum expandable product
- Create a list in less than 30s

● Audience

- Terminally online
- Tab hoarders
- Creators and curators

The screenshot shows the Snack app's interface. At the top, there's a header with a profile icon, a search bar, and some navigation icons. Below that, the main area is titled "charles / Your Lists". It displays a list of five items, each represented by a small icon and a title. To the right of each item is the number of links it contains. At the bottom of the list, there's a footer with a "93 links" badge.

List Title	Links
Design Skills for Claude Code	4 links
Beautiful Websites	5 links
TUI	3 links
Framer Websites	1 links
Brian Lovin's Good Sites	93 links

The screenshot shows the Snack application interface. At the top left is the Snack logo. On the right are icons for search, star, signal, and settings. Below the header, the title "charles / Your Lists" is displayed. To the left of the lists is a sidebar icon. In the center, there's a "Recent" dropdown and a "Create list +". A list of 18 lists is shown, each with an icon, name, and link count:

- Beautiful Websites (5 links)
- TUI (3 links)
- Framer Websites (1 links)
- Brian Lovin's Good Sites (93 links)
- Design Courses (6 links)
- Best Coffee Table Books (1 links)
- Design Libraries (2 links)
- Cool Websites (11 links)
- Directories (4 links)
- Must-Read Articles (13 links)
- Must-Listen Mixes (4 links)

Creating a list

The screenshot shows a list item in the Snack interface. The title is "Design Skills for Claude Code". Below the title is a preview image consisting of a solid black rectangle with the word "/rams" in white. To the left of the preview is a small orange circular icon. To the right of the preview is a "Paste links" button. Below the preview is a link card for "rams - AI Design Engineer & Design Reviews" with the URL "ramsa.ai". At the bottom of the list item is a snippet of the page content, which includes sections for "Skills" and "Snack".

Design Skills for Claude Code

4 links

Paste links

/rams

rama - AI Design Engineer & Design Reviews rams.ai

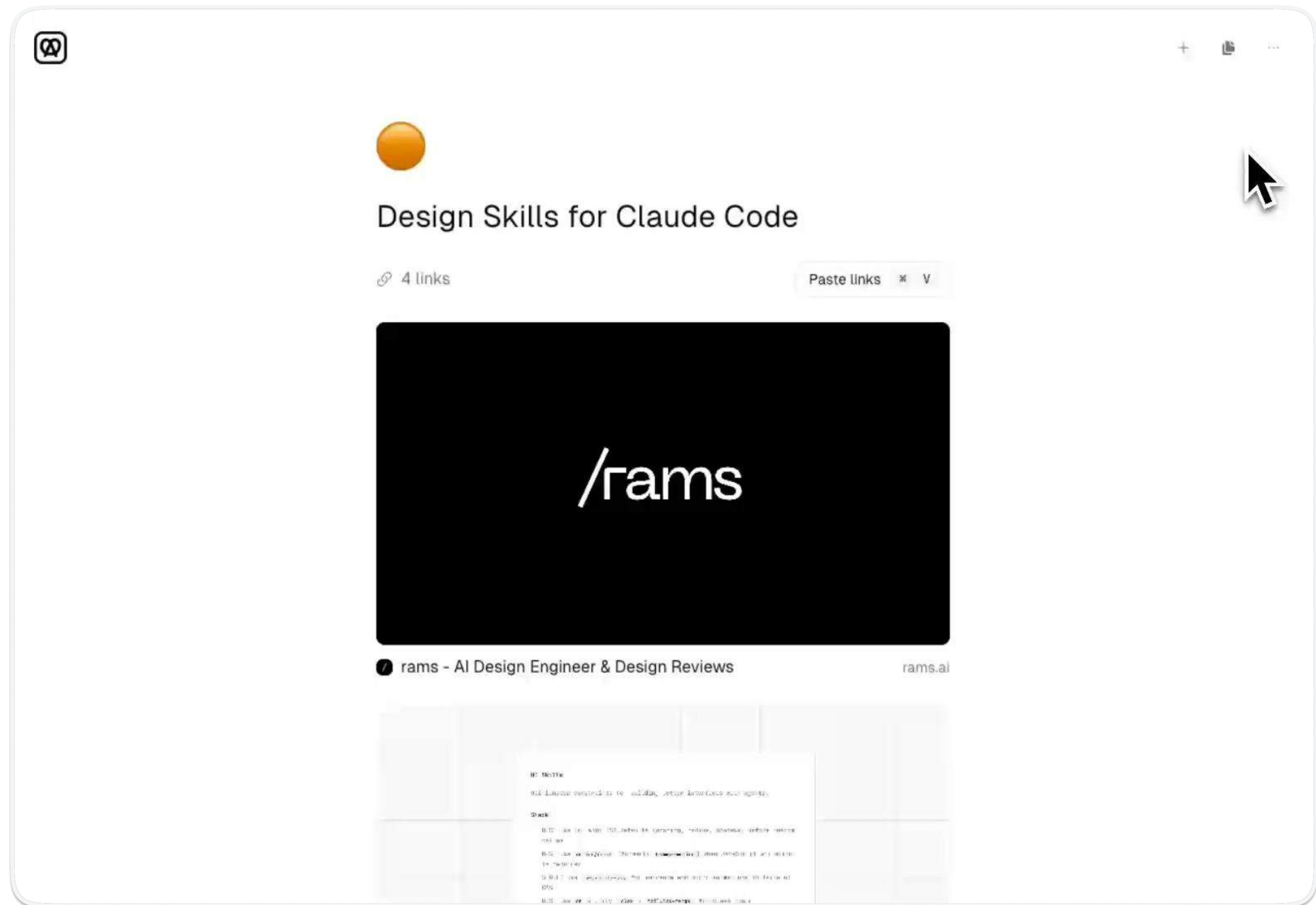
Skills

Skills

Snack

- BIG - Go from 0 to 100% faster by drawing, talking, writing, reading, listening, and more.
- BIG - Go from 0 to 100% faster by drawing, talking, writing, reading, listening, and more.
- BIG - Go from 0 to 100% faster by drawing, talking, writing, reading, listening, and more.
- BIG - Go from 0 to 100% faster by drawing, talking, writing, reading, listening, and more.

Editing a list



Managing a list

Takeaways

THE INDIVIDUAL IS NOW ONE TO THE NTH POWER

An agency took 6 months and \$30K. I rebuilt it in a month, solo. This is the new math. The leverage is real, and it's only getting wider.

Distribution is still king. Doesn't matter how good the design is if no one sees it. Getting it into hands is the real work, and I'm still figuring that out.

A browser extension and mobile app are both in progress. Same approach: solo build, fast iteration. Shipping soon.

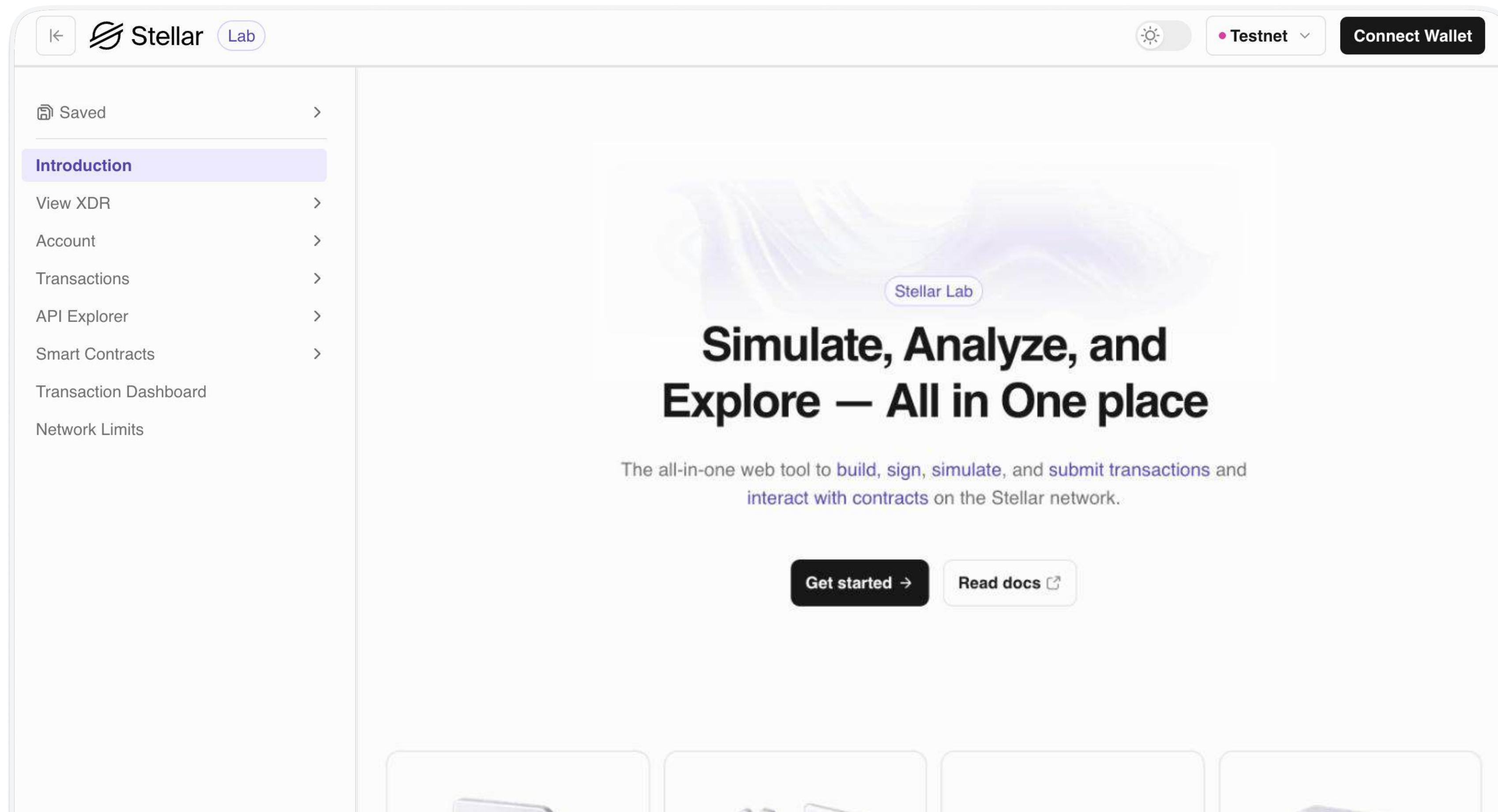


Laboratory

Laboratory

the preferred developer
sandbox for Stellar

Laboratory is Stellar's web-based developer tool. Build transactions, test network endpoints, explore the ledger. It's the first place devs go when working with Stellar.



The screenshot shows the Stellar Laboratory interface. At the top, there is a navigation bar with the Stellar logo, a "Lab" tab, a light/dark mode switch, a "Testnet" dropdown set to "Testnet", and a "Connect Wallet" button. Below the navigation bar is a sidebar menu with a "Saved" section and a list of links: "Introduction" (which is highlighted in purple), "View XDR", "Account", "Transactions", "API Explorer", "Smart Contracts", "Transaction Dashboard", and "Network Limits". The main content area features a large, faint background image of a brain with the text "Stellar Lab" overlaid. Below the image, the text "Simulate, Analyze, and Explore – All in One place" is displayed in large, bold, black font. A subtitle explains: "The all-in-one web tool to build, sign, simulate, and submit transactions and interact with contracts on the Stellar network." At the bottom of the main content area are two buttons: "Get started →" and "Read docs ↗".

● Context

The original Lab was functional but dated. With Soroban and new network features shipping, developers needed a tool that could keep up. We rebuilt it from the ground up.

● Principles

First stress test of SDS v3

Familiar flows, new foundation

Support every network feature

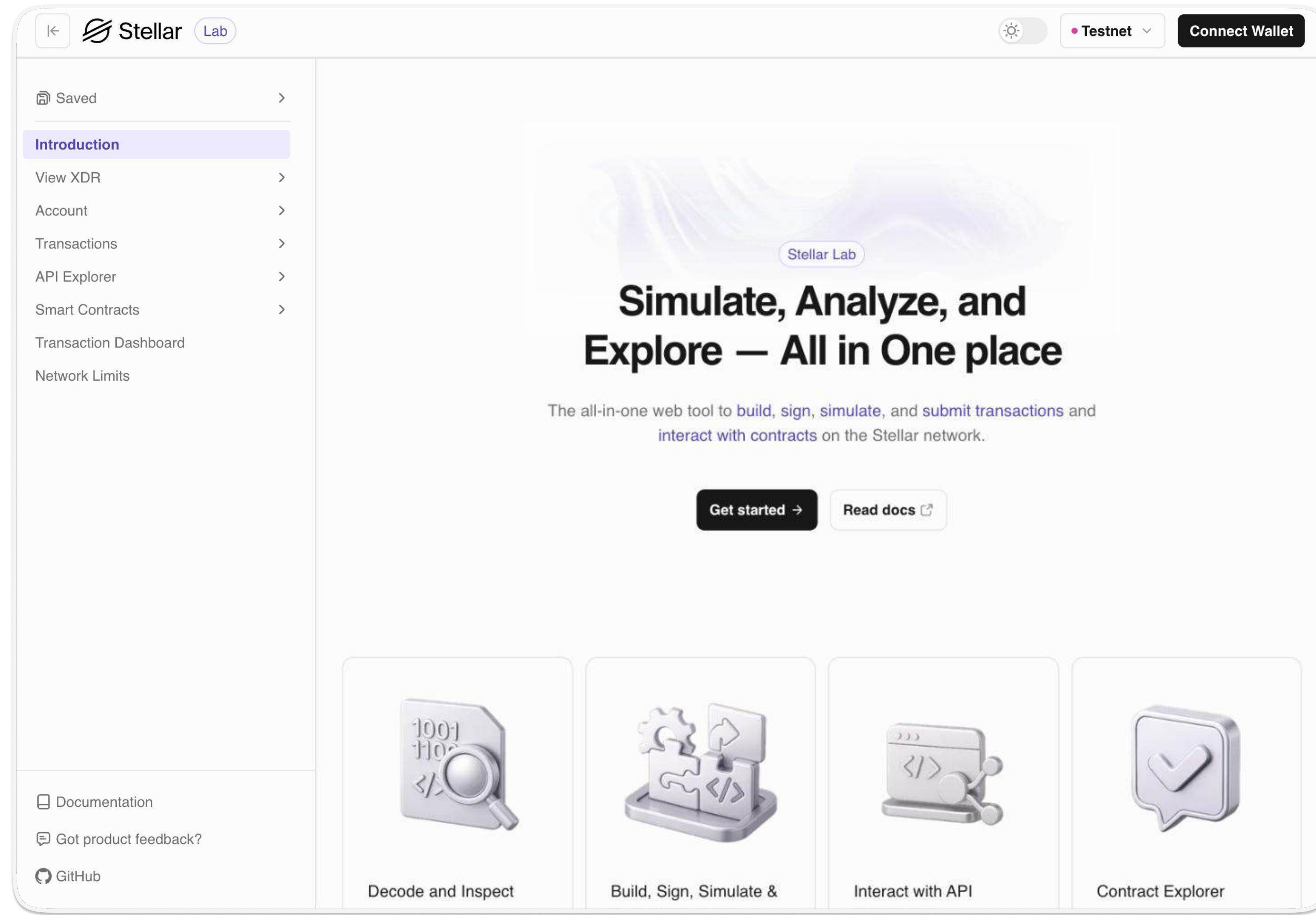
● Audience

Stellar developers

Protocol curious

Hackathon builders

The screenshot shows the Stellar Lab interface in a web browser. The top navigation bar includes the Stellar logo, a 'Lab' button, a light/dark mode switch, a 'Testnet' dropdown set to 'Testnet', and a 'Connect Wallet' button. The left sidebar has a 'Saved' section and a list of links: Introduction, View XDR, Account, Transactions (with 'Build Transaction' selected), Sign Transaction, Simulate Transaction, Submit Transaction, Fee Bump, API Explorer, Smart Contracts, and Transaction Dashboard. The main content area is titled 'Build Transaction'. It contains fields for 'Source Account' (with placeholder 'Ex: GCEEXAMPLE5HWNK4AYSTEQ4UWDKHTCKADVS2AHF3UI2ZMO3DPUSM6Q4UG' and a 'Get address' button), 'Transaction Sequence Number' (with placeholder 'Ex: 559234806710273' and a 'Fetch next sequence' button), 'Base Fee' (set to 100), and a 'Memo (optional)' field. A note at the bottom states: 'The base inclusion fee is currently set to 100 stroops (0.00001 lumens). For more real time inclusion fee, please see getFeeStats from the RPC. To learn more about fees, please see Fees & Metering.'



The screenshot shows the Stellar Lab interface. At the top, there's a navigation bar with a back arrow, the Stellar logo, and a "Lab" tab. To the right are buttons for "Testnet" (with a dropdown arrow) and "Connect Wallet". The sidebar on the left has a "Saved" section and a "Introduction" section which is currently selected. The introduction section contains links: "View XDR", "Account", "Transactions", "API Explorer", "Smart Contracts", "Transaction Dashboard", and "Network Limits". Below the sidebar is a "Stellar Lab" section with the text "Simulate, Analyze, and Explore — All in One place". It describes the tool as an all-in-one web tool for building, signing, simulating, and submitting transactions, and interacting with contracts on the Stellar network. There are two buttons: "Get started →" and "Read docs". At the bottom, there are four cards: "Decode and Inspect" (with a magnifying glass icon), "Build, Sign, Simulate &" (with a gear and puzzle piece icon), "Interact with API" (with a code editor icon), and "Contract Explorer" (with a checkmark icon). The footer also includes links for "Documentation", "Got product feedback?", and "GitHub".

Stellar Lab

Simulate, Analyze, and Explore — All in One place

The all-in-one web tool to build, sign, simulate, and submit transactions and interact with contracts on the Stellar network.

Get started → Read docs

Decode and Inspect Build, Sign, Simulate & Interact with API Contract Explorer

Documentation Got product feedback? GitHub

Stellar Lab

Saved

- Introduction
- View XDR
 - XDR to JSON
 - JSON to XDR
 - Diff XDRs
- Account
- Transactions
 - Build Transaction
 - Sign Transaction**
 - Simulate Transaction
 - Submit Transaction
 - Fee Bump
- API Explorer
- Smart Contracts
- Transaction Dashboard
- Network Limits

Documentation

Got product feedback?

GitHub

Transaction Overview

Signing for
Test SDF Network ; September 2015

Transaction Envelope XDR

```
AAAAAgAAAAAMYXuxg4ZtfopiOfmKKjOddsReJ9UFZVkyXqJjR!
AAAAAAAEEAAAAAAAAAAQAAAAAE3rSADFqtp4z4bCuHbXUM
```

Transaction Hash
476d9726ae4ee859a39af785439730aed1d5d967574e65f62baa!

Source account
GAGGC65RQODG27UKMI47TCRKGOOXNRC6E7KQKZKGJI

Sequence number
3223312826105859

Number of operations
1

Signatures

Sign with secret key

Secret key (starting with S) or hash preimage (in hex)

Use secret key

Selected

- Testnet
- Mainnet
- Futurenet
- Custom

Import new

RPC URL
https://soroban-testnet.stellar.org

RPC Header Name (optional)

RPC Header Value (optional)

Horizon URL
https://horizon-testnet.stellar.org

Horizon Header Name (optional)

Horizon Header Value (optional)

Network Passphrase
Test SDF Network ; September 2015

Switch to Testnet

AABpfDvyAAA
AAAAAAA

Choose a network on the Stellar blockchain

Learn more

What is a Wallet?
Wallets are used to send, receive, and store the keys you use to sign blockchain transactions.

What is Stellar?
Stellar is a decentralized, public blockchain that gives developers the tools to create experiences that are more like cash than crypto.

Connect a Wallet

Albedo

xBull

Ledger

Freighter Not available

LOBSTR Not available

Rabet Not available

Hana Wallet Not available

Clear and import new

Saved

- Introduction
- View XDR
 - XDR to JSON
 - JSON to XDR
 - Diff XDRs
- Account
- Transactions
 - Build Transaction
 - Sign Transaction**
 - Simulate Transaction
 - Submit Transaction
 - Fee Bump
- API Explorer
- Smart Contracts
- Transaction Dashboard
- Network Limits

Documentation

Got product feedback?

GitHub

Number of operations

1

Number of existing signatures

Signatures ⓘ

Sign with secret key

Secret key (starting with S) or hash preimage (in hex)

Add additional signatures

Use secret key

Connect a wallet

◀ Stellar Lab

Saved >

Introduction

View XDR

XDR to JSON

JSON to XDR

Diff XDRs

Account >

Transactions >

API Explorer >

Smart Contracts >

Transaction Dashboard

Network Limits

Documentation

Got product feedback?

GitHub

View XDR

Base-64 encoded XDR

```
AAAAAAgAAAAAZLKbtLlyCxrUtLiZFVa7z2CIAICM5Xco+CF67xOcf3gAAAGQAAAG0AAAUqAAAAAAAAADN9Se2jycWUl sy0k0+ZoZzwt/dRfiPRwnn91uajEN4ScAAAABAAAAAAAAGSym7SyMgsa1LS4mRVWu89giAJQjOV3KPgheu8TnH94AAAAAAAAAAAAA EAAAAAAAAAcTnH94AAABAX4guJwJ+7//x3FtyPHyBHGLcpihfljSyUTQoiRXhyBDFYovV6fkttWarDmPNddwNGwXLczM4At29eI RY Gh6DQ==
```

Input a base-64 encoded XDR blob, or fetch the latest transaction to try it out.

Transaction hash

```
89404d7f4931250d08db9eb9cf30b234139e7755f29c28099f09652d6b19b6f1
```

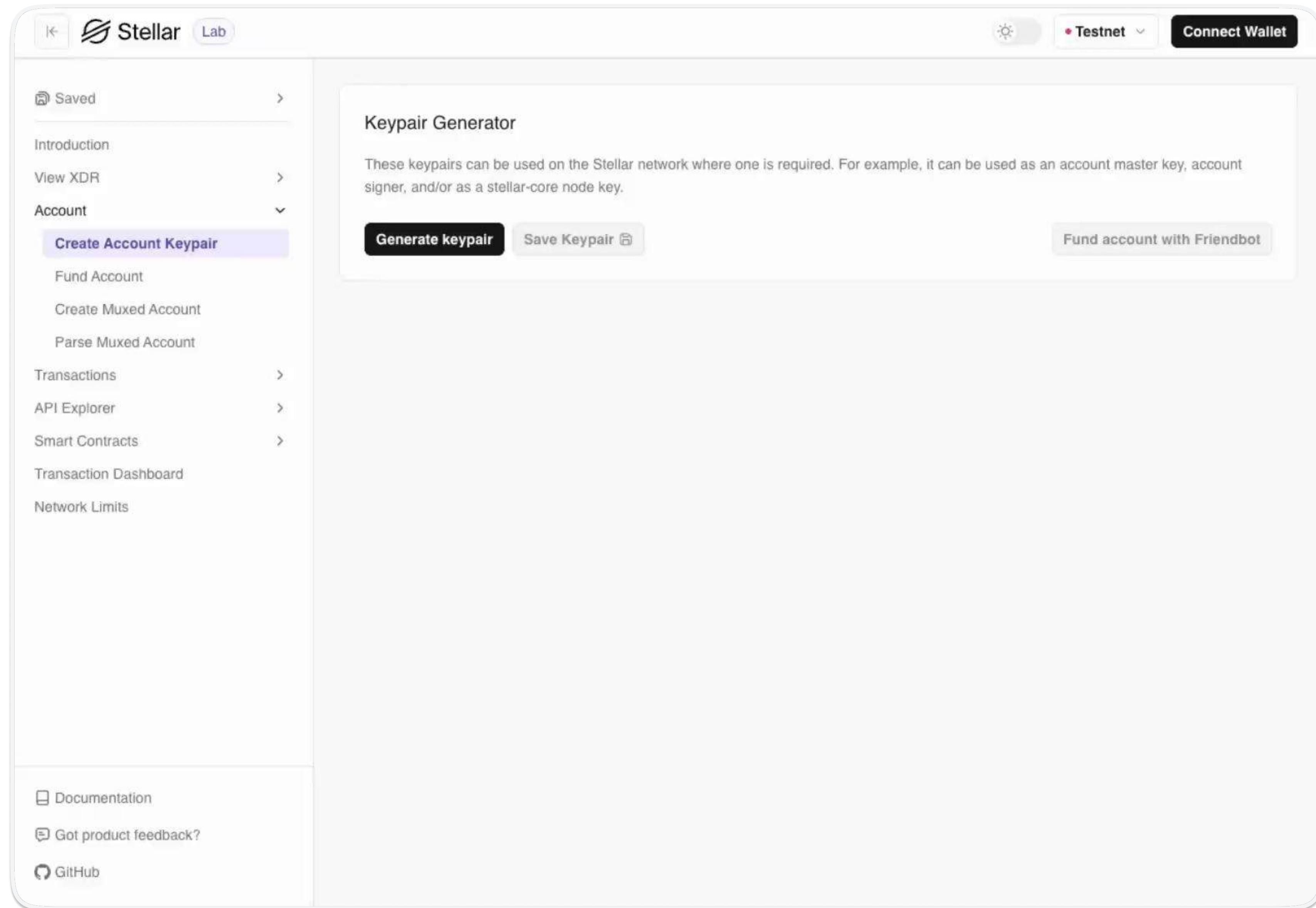
XDR type

TransactionEnvelope

Clear XDR

```
{  
  "tx": {  
    "tx": {  
      "source_account": "GAMSZJXNFSGIFRVVUXCMRKVV3Z5QIQASQRTSXOKHYEF506E44P55EAS",  
      "fee": 100,  
      "seq_num": "1872605746344",  
      "cond": "none",  
      "memo": {  
        "hash": "37d49eda3c9c59496ccb4934f99a19cf0b7f7517e23d1c279fdd6e6a310de127",  
      },  
      "operations": [ {  
        "body": {  
          "payment": {  
            "destination": "GAMSZJXNFSGIFRVVUXCMRKVV3Z5QIQASQRTSXOKHYEF506E44P55EAS",  
            "asset": "native",  
            "amount": "0.0000001 (raw: 1),  
          }  
        }  
      ]  
    }  
  }  
}
```

Convert XDR to JSON



The screenshot shows the Stellar Laboratory interface, specifically the Keypair Generator section. The left sidebar contains navigation links such as 'Saved', 'Introduction', 'View XDR', 'Account' (with 'Create Account Keypair' highlighted), 'Fund Account', 'Create Muxed Account', 'Parse Muxed Account', 'Transactions', 'API Explorer', 'Smart Contracts', 'Transaction Dashboard', and 'Network Limits'. The main content area is titled 'Keypair Generator' and includes a descriptive text about the purpose of keypairs. It features three buttons: 'Generate keypair' (highlighted in purple), 'Save Keypair' (with a clipboard icon), and 'Fund account with Friendbot'. A 'Documentation' link is also present at the bottom of the sidebar.

Create a wallet

Stellar Lab

Saved

- Introduction
- View XDR
- Account
- Transactions
 - Build Transaction
 - Sign Transaction
 - Simulate Transaction
 - Submit Transaction
 - Fee Bump
- API Explorer
- Smart Contracts
- Transaction Dashboard
- Network Limits

Documentation

Got product feedback?

GitHub

Build Transaction

Source Account [🔗](#)
Ex: GCEEXAMPLE5HWNK4AYSTEQ4UWDKHTCKADVS2AHF3UI2ZMO3DPUSM6Q4UG [Get address](#)

If you don't have an account yet, you can create and fund a test net account with the account creator.

Transaction Sequence Number [🔗](#)
Ex: 559234806710273 [Fetch next sequence](#)

The transaction sequence number is usually one higher than current account sequence number.

Base Fee [🔗](#)
100

The base inclusion fee is currently set to 100 stroops (0.00001 lumens). For more real time inclusion fee, please see [getFeeStats](#) from the RPC. To learn more about fees, please see [Fees & Metering](#).

Memo (optional) [🔗](#)

None	Text	ID	Hash	Return
------	------	----	------	--------

Note: Starting with Protocol 23, (CAP 0067) Soroban transactions no longer support memos. If you include a memo, it will be ignored. Be sure to update your transactions accordingly.

Time Bounds (optional) [🔗](#)

Lower time bound unix timestamp. Ex: 1479151713

Upper time bound unix timestamp. Ex: 1479151713 [Set to 5 min from now](#)

Enter unix timestamp values of time bounds when this transaction will be valid.
For regular transactions, it is highly recommended to set the upper time bound to get a final result of a transaction in a defined time.

[Clear Params](#) [🔗](#)

Operation 0 [🔗](#)

Build a transaction

The screenshot shows the Stellar Laboratory interface for testing RPC endpoints. The left sidebar lists various RPC methods, with **getEvents** selected. The main panel displays the configuration for the **getEvents** endpoint:

- Method:** POST <https://soroban-testnet.stellar.org>
- Start Ledger Sequence:** 751579 ([Fetch latest ledger sequence](#))
- End Ledger Sequence (optional):** Ex: 1714814
- Cursor (optional):** (empty input field)
- Limit (optional):** (empty input field)
- Filters Type:** Select filters type (dropdown menu)
- XDR Format:** Base64 (disabled) | JSON (selected)
- Payload:** A code editor containing the JSON-RPC payload for the getEvents method.

```
1 {  
2   "jsonrpc": "2.0",  
3   "id": 8675309,  
4   "method": "getEvents",  
5   "params": {  
6     "xdrFormat": "json",  
7     "startLedger": 751579,  
8     "endLedger": null,  
9     "filters": [  
10       {  
11         "type": "event_type",  
12         "value": "type_value"  
13       }  
14     ]  
15   }  
16 }
```

Endpoints for simulating network events

The screenshot shows the Stellar Laboratory interface with the 'Horizon Endpoints' section selected. The left sidebar lists various endpoints like Accounts, Assets, and Claimable Balances. Under 'Claimable Balances', the 'All Claimable Balances' option is highlighted. The main panel displays the 'All Claimable Balances' configuration form. It includes fields for 'Sponsor (optional)', 'Asset (optional)' (with tabs for Native and Issued), 'Claimant (optional)', 'Cursor (optional)', 'Limit (optional)', and 'Order (optional)' (with tabs for Asc and Desc). Below the form is a 'JSON Response' preview showing a snippet of the API response structure.

All Claimable Balances

View Docs ↗

GET https://horizon-testnet.stellar.org/claimable_balances Submit

Sponsor (optional)
Ex: GCEEXAMPLE5HWNK4AYSTEQ4UWDKHTCKADVS2AHF3UI2ZMO3DPUSM6Q4UG

Asset (optional)

Native	Issued
--------	--------

Claimant (optional)
Ex: GCEEXAMPLE5HWNK4AYSTEQ4UWDKHTCKADVS2AHF3UI2ZMO3DPUSM6Q4UG

Cursor (optional)

Limit (optional)

Order (optional)

Asc	Desc
-----	------

JSON Response

```
{  
  "_links": {  
    "self": {  
      "href": "https://horizon-testnet.stellar.org/claimable_balances?cursor=&limit=10&order=asc"  
    },  
    "next": {  
      "href": "https://horizon-testnet.stellar.org/claimable_balances?cursor=...&limit=10&order=asc"  
    }  
  }  
}
```

Endpoints for historical and current blockchain data

The screenshot shows the Stellar Laboratory / Contract Explorer interface. The left sidebar has a 'Smart Contracts' section with a 'Contract Explorer' tab selected. The main area displays a deployed smart contract with the following details:

Contract ID: CDZZ2OMLN6FXRMTOBAMYKA44AGASEEZD3KFB5R70FGHTSXNVL2JFZKDH

Contract Info:

- Created: Wed, Jan 28, 2026, 04:58:00 UTC
- Creator: GBYIPXYLGZHJ7LEFSLAPWPQVQLLLPC6F4JTVI53LBOOYERK2HSPS75MH ↗
- Wasm Hash: 76d2ba826c1b5a7b6cc0aaebe058cc3ffc373c2171f90d63ebb7481a28f577bd
- Source Code: Unavailable ⓘ
- Contract Storage: 5 entries

Contract: Build Unverified ⓘ

Contract Spec Contract & Env Meta Source Code Contract Storage Build Info Bindings Version History

Contract Spec ⓘ

```
1 // =====
2 // Functions
3 // =====
4
5 fn upgrade(0: BytesN<32>)
6
7 fn constructor(a: Vec<Signer>, 1: Vec<Address>)
```

INTERFACE ⓘ

Links in the sidebar:

- Saved
- Introduction
- View XDR
- Account
- Transactions
- API Explorer
- Smart Contracts
- Documentation
- Got product feedback?
- GitHub

Buttons in the top right:

- Light mode icon
- Testnet dropdown (selected)
- Connect Wallet

Learn about a smart contract

The screenshot shows the Stellar Laboratory Transaction Dashboard. The left sidebar has a 'Saved' section and links to 'Introduction', 'View XDR', 'Account', 'Transactions', 'API Explorer', 'Smart Contracts' (with 'Contract Explorer', 'Smart Contract List', and 'Upload and Deploy Contract' sub-links), 'Transaction Dashboard' (which is selected and highlighted in purple), and 'Network Limits'. The main area displays a transaction with the hash `de7a3022799021b69cdaa1701a0abf0732e6bc37227739dc117060553e7ed928`. It includes a 'Load transaction' button and a 'Clear' button. Below this, the 'Classic Transaction' section shows the following details:

Status	✖ Failed
Transaction Info	<code>de7a3022799021b69cdaa1701a0abf0732e6bc37227739dc117060553e7ed928</code> ↗
Source Account	<code>GCS6NBWTNMHAKOFEORDN6V2EL2UENB4Y5PU6SV46MWLELG33IJC23WH</code> ↗
Sequence Number	3226534051577857
Processed	Fri, Jan 30, 2026, 05:51:22 UTC
Operations	1
Memo	none
Max Fee	0.00001 XLM (100 stroops)
Transaction Fee	0.00001 XLM (100 stroops)

The 'Operations' section shows the following code:

```
change_trust
Line      "VNM" GAAL...WQXD asset
Limit    "9223372036854775807" string
```

Learn more about a transaction

Takeaways

Since relaunch: 21K monthly active users with sessions averaging nearly 8 minutes. No drop-off from the old Lab. Devs made the switch without friction.

You can't design developer tools without using them. I had to dogfood Lab constantly. If I didn't feel the friction myself, I'd have missed it entirely.

RESPECT USERS' MUSCLE MEMORY

The old Lab had rough edges but devs knew how it worked. We kept the patterns they relied on. Familiar doesn't mean outdated, it means trusted.

Thank you!

To view in web form, visit claude.ch.sh

For questions, email hi@ch.sh