

# Refugee Aid Portal

Built on Lens Protocol ❤️



*Lens Holiday Hackathon*



# Problem Statement

Millions of refugees worldwide face critical barriers accessing humanitarian aid through traditional centralized systems, including lack of documentation, limited (banking) access, bureaucracy and other delays. Refugee Aid proposes a transparent and accessible portal to enable connection between those who need or can provide aid.

With this solution, we are eliminating intermediaries, reducing costs, and ensuring resources reach those most in need.

# Solution

We crafted a decentralized **web portal** connecting refugees directly with kind-hearted people worldwide. Here users can **browse, post, and respond to aid listings** through an intuitive interface, fostering direct community involvement. This proof-of-concept (PoC) focuses on validating core user interactions and establishing trust mechanisms before implementing further system enhancements.

Code repository: <https://github.com/pauliax/refugees-aid>

# Motivation

- **Global Crisis Response:** Address unprecedented refugee numbers from conflicts in Ukraine, Middle East, and other regions requiring immediate humanitarian aid.
- **Human Connection:** Foster direct empathy by enabling the understanding of individual refugee stories and needs through personal interactions.
- **Lens Integration:** Leverage and expand Lens Protocol's social network capabilities for community connection, showcasing blockchain's real-world impact.
- **Autonomous Community:** Create self-sustaining collaboration between refugees and sponsors worldwide.




# DEMO!

## Web Portal:

<https://refugees-aid.vercel.app/>

Refugee Aid Platform

0x6aE2.....103D

 Built on Lens ❤️

Welcome to the Refugee Aid Portal

A portal for refugees to seek and receive assistance

🕒 Asks0

👤 Offers0

✅ Completed0

💰 Earnings0 GRASS

🕒 StatusUnverified

Create New Assistance Listing

Please provide details about the assistance you need

Type of Assistance

☒ Ask for Help ☐ Offer Help

Description

Please describe your assistance in detail

Amount Needed

in GRASS, leave 0 if not needed

Duration (hours)

in hours, leave 0 for instant

Maximum duration: 365 days.  
Requests expire after: 7 days.

Submit Listing

Aid Listings (4)

OfferActive

dddd

👤 5 GRASS ⌚ 3 hours

👤 Created by: 0x669b...Db7f

📅 Created: Jan 6, 2025 18:42

🚫 Cancel

👤 Match

📅 Deliver

AskActive

ccc

👤 0 GRASS ⌚ 0 hours

👤 Created by: 0x669b...Db7f

📅 Created: Jan 6, 2025 18:11

🚫 Cancel

👤 Match

📅 Deliver

OfferActive

bbb

👤 0 GRASS ⌚ 0 hours

👤 Created by: 0x669b...Db7f

📅 Created: Jan 6, 2025 16:41

🚫 Cancel

👤 Match

📅 Deliver

OfferActive

bbb

👤 0 GRASS ⌚ 0 hours

👤 Created by: 0x669b...Db7f

📅 Created: Jan 6, 2025 16:39

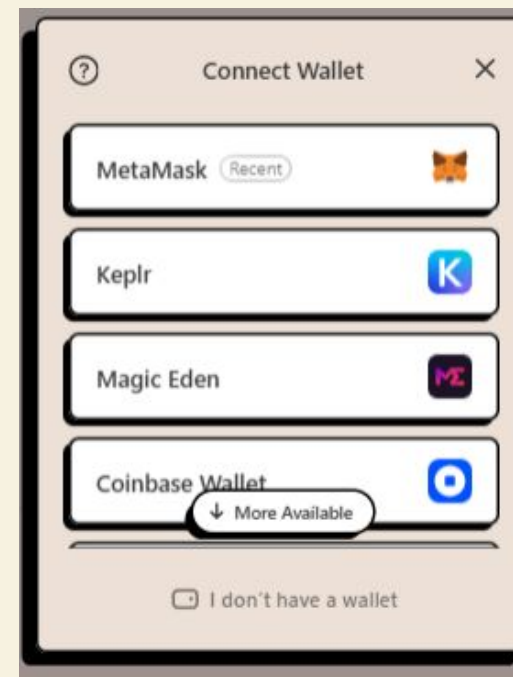
🚫 Cancel

👤 Match

📅 Deliver

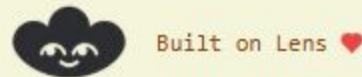
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- **ConnectKit** integration
- Choose **Lens** Testnet network
- Make sure to have some **GRASS** to cover transaction fees



Refugee Aid Platform

Connect Wallet



## Welcome to the Refugee Aid Portal

A portal for refugees to seek and receive assistance

Please connect the wallet to submit a new listing

Aid Listings (7)



## Create a new aid listing:

- Select whether you want to ask or offer help
- Enter a detailed description
- Enter GRASS amount needed and aid duration in hours
- Press the Submit button

### Create New Assistance Listing

Please provide details about the assistance you need

Type of Assistance

☒ Ask for Help ☐ Offer Help

Description

Please describe your assistance in detail

Amount Needed

in GRASS, leave 0 if not needed

Duration (hours)

in hours, leave 0 for instant

Maximum duration: 365 days.  
Requests expire after: 7 days.

Submit Listing

### Create New Assistance Listing

Please provide details about the assistance you need

Type of Assistance

☐ Ask for Help ☒ Offer Help

Description

Demo offer

Amount Needed

in GRASS, leave 0 if not needed

Duration (hours)

72

Maximum duration: 365 days.  
Requests expire after: 7 days.

Submit Listing

- Confirm the transaction in wallet provider pop-up
- Wait for the transaction to be executed

The screenshot displays a web application interface with a MetaMask transaction confirmation pop-up overlaid on the left. The background shows a 'New Assistance Listing' form and a 'Listing Created' confirmation message. Below this is a summary bar with statistics: 0 Asks, 1 Offers, 0 Completed, 0 Earnings, and an Unverified status. The main section, titled 'Aid Listings (8)', contains three listing cards: an 'Offer' for a demo, an 'Ask' for food aid, and an 'Offer' for medical assistance. Each card shows the offer details, price (0 GRASS), duration, creator, and creation time, along with a 'Match' button.

**MetaMask Transaction Request**

Request from **refugees-aid.vercel.app**  
Interacting with **0xefEe6...67421**

Network fee: 0.0021 GRASS \$0.01

Speed

Max fee: 0.0021 GRASS \$0.01

Nonce: 1

Data

**Listing Created**  
Your listing has been published.

**Aid Listings (8)**

Type	Description	Price	Duration	Created by	Created	Action
Offer	Demo offer	0 GRASS	72 hours	0x6aE2...103D	Jan 6, 2025 22:28	Cancel
Ask	Food Aid. Monthly food supplies needed for two adults. We are starving :(	0 GRASS	0 hours	0x5778...4AE3	Jan 6, 2025 21:44	Match
Offer	I can provide medical assistance and essential medical supplies	0 GRASS	0 hours	0x5778...4AE3	Jan 6, 2025 21:44	Match



- Switch to another account
- Select one of the listings and press the available action button (cancel, match, deliver)
- Creator can cancel the listing until matched
- Other users can match the listing
- Finally, aid recipient can confirm the delivery of service

Aid Listings (9)

Offer

Demo offer

0 GRASS

Created by: 0x6aE2...103D

Created: Jan 6, 2025 22:32

Match

Offer

I can provide medical assistance and essential medical supplies

0 GRASS

Created by: 0x5778...4AE3

Created: Jan 6, 2025 21:44

Match

Ask

ccc

MetaMask

Lens Default

Lens Network Sepolia

Testnet

Transaction request

Request from

refugees-aid.vercel.app

Interacting with

0xefEe6...67421

Network fee

0.0016 GRASS < \$0.01

Speed

Max fee

0.0016 GRASS < \$0.01

Nonce

0

Cancel

Confirm

Offer

Delivered

Demo offer

0 GRASS

72 hours

Created by: 0x6aE2...103D

Matched with: 0xAbe7...53C8

Created: Jan 6, 2025 22:32

Offer

Matched

Demo offer

0 GRASS

72 hours

Created by: 0x6aE2...103D

Matched with: 0xAbe7...53C8

Created: Jan 6, 2025 22:32

Deliver

Offer

Cancelled

Demo offer

0 GRASS

72 hours

Created by: 0x6aE2...103D

Created: Jan 6, 2025 22:28

Asks

0

Offers

2

Completed

1

Earnings

0 GRASS

Status

Unverified

# Possible Future Enhancements

- **Identity & Profiles:** Lens social network integrations.
- **Engagement Tracking:** Display contribution statistics, rankings, and achievements.
- **Rewards System:** Implement NFT badges, user reviews, thank you notes, and incentives for active participants.
- **Social Growth:** Improve collaboration features and communication options among participants.
- **Platform Expansion:** Create focused groups and specialized aid categories, include support for diverse groups of interests (age, region, religion, disabilities, animals).