



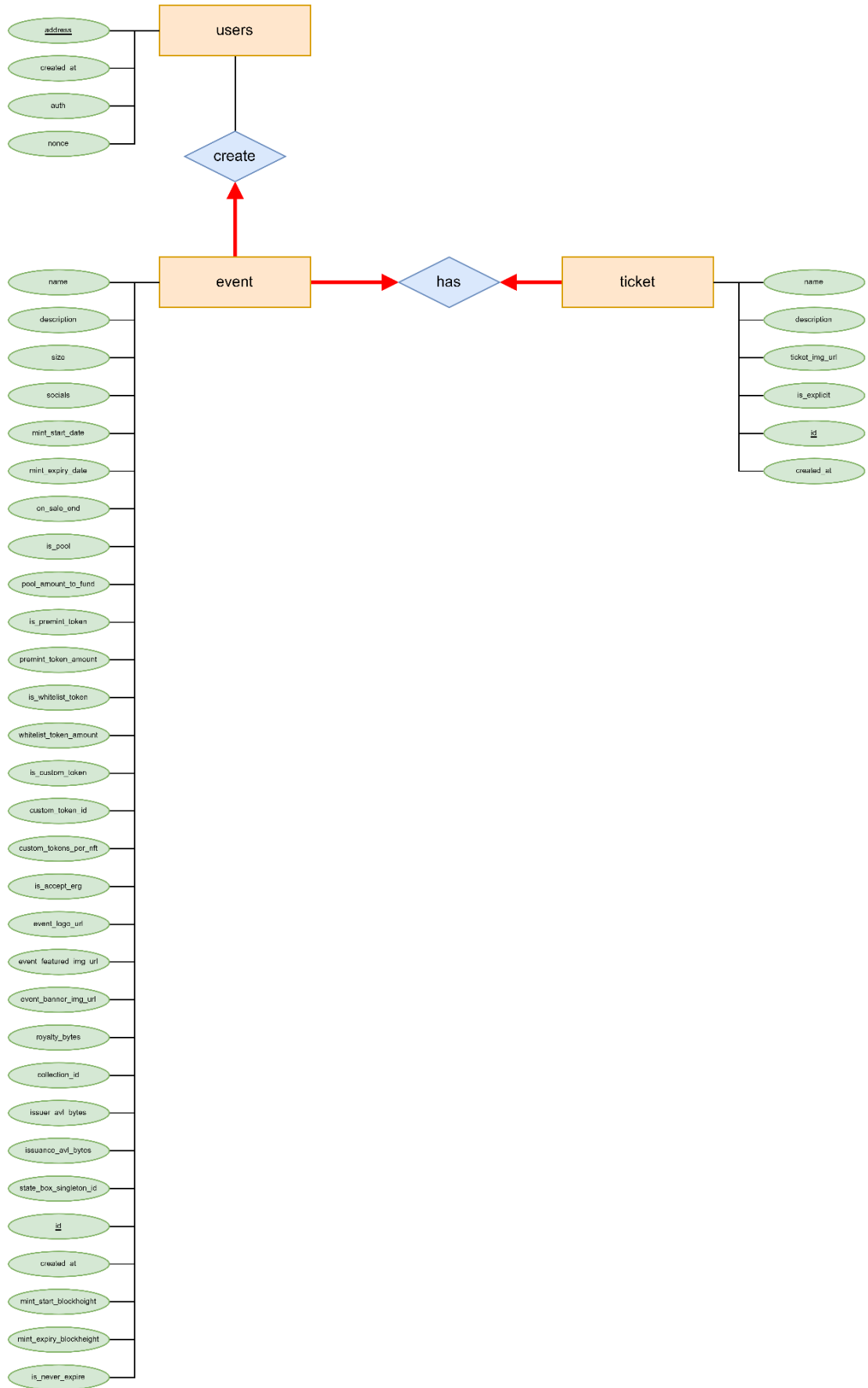
ErgoHack VII Final Report

UI

The frontend was redesigned with a new UI and improved layout when displayed on mobile device screens. We consolidated the NFT collection tabs into one menu and created a new menu for event creations. We also enabled user authentication which will be required to create NFT collection sales and events going forward.

Database

We use Supabase for all of our database needs. In order to implement the event ticketing feature and all of the updates we wanted to make, we redesigned our db schema. We now incorporate a users entity set wherein we identify a user based on their ergo wallet address. The verification of address is done using ergo auth. We then created an event entity set to include all of the event configuration available to the user when they fill out the form on the Liliium website. This table also includes relevant information required for the sale to occur, similar to our NFT collection sale. An event cannot be created unless it is associated with a user. Finally, we create a ticket entity set that contains information that all NFT tickets will have once minted during the sale. A ticket entry cannot be created unless it is related to a particular event.



Ergo Auth

We implemented ergo-auth on desktop and mobile as an alternative to regular login credentials. The user only needs to show proof of address ownership by signing a message.

Future Goals

Dashboard

We would like to have a dashboard for artists when they log in. This would show them some basic statistics about previous and ongoing sales. For buyers, it would show statistics about previous NFTs or tickets they have purchased. The support for this is in place with ergo auth and supabase.

Mobile Application

We would like to build a mobile application as an alternative to the site which would allow users to purchase NFTs from collections and tickets for events as well as trade tickets directly within the platform. The application would also be used by event creators to authenticate ticket holders. This authentication will be trustless and near instant as it will use ergo auth. Unnecessary transactions are avoided.

Ticket Marketplace

We would like to incorporate a ticket marketplace directly within the application, perhaps even in collaboration with Skyharbor and Auction House, such that event creators need not worry about secondary markets since we would enforce royalties directly within the platform. Ticket NFTs would be inside a contract owned by the user instead of directly within their wallet. The mobile application would also serve as a useful way of viewing tickets since the Ergo Mobile wallet does not support this feature.

Code

GitHub: <https://github.com/mgpai22/lilium-fe>

Website: <https://lilium-lgc0eglsj-ergo-hack.vercel.app/>

Contact

Discord:

ldgaetano

mgpai

anastasia_apolo

Linktree: <https://linktr.ee/liliumergo>

Email: liliumergo@protonmail.com

TEAM



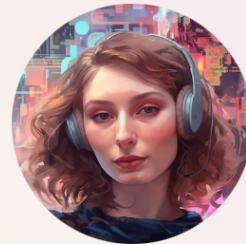
MGPAI

Founder and Backend



LGD

Founder and Backend



ANASTASIA

Frontend

