Night Owl

ErgoHack III

https://dev.nightowlcasino.io/#

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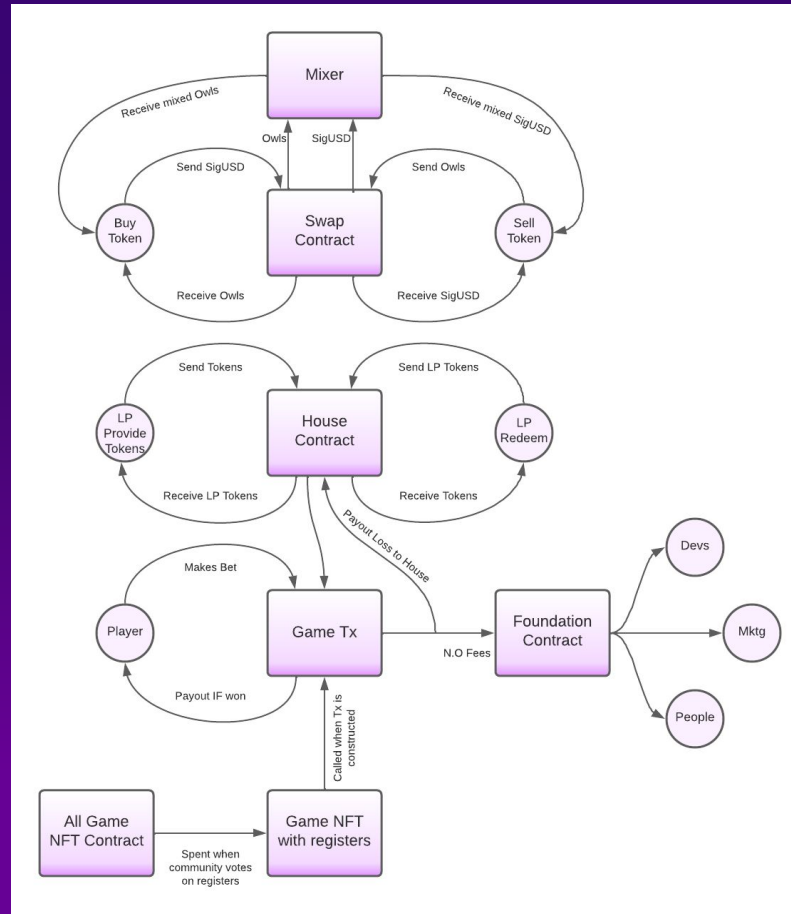
Night Owl ErgoHack III Summary

[Link to Summary](#)

Backend

ErgoHack III

SC Diagram Overview

Link to contract descriptions

LP Contract

Link to Slides

Customizable Game Engine

Link to Slides

ErgoMixer and Night Owl

Link to Slides

Link to Github

Live Swap Contract Address

Swap Contract

[Link to contract](#)

Code and Info - Backend

ErgoScript Code available in the following links:

- https://github.com/nightowlcasino/ERGOHACK-III-/blob/main/README.md

Backend Repo:

- https://github.com/nightowlcasino/NightOwl-Backend

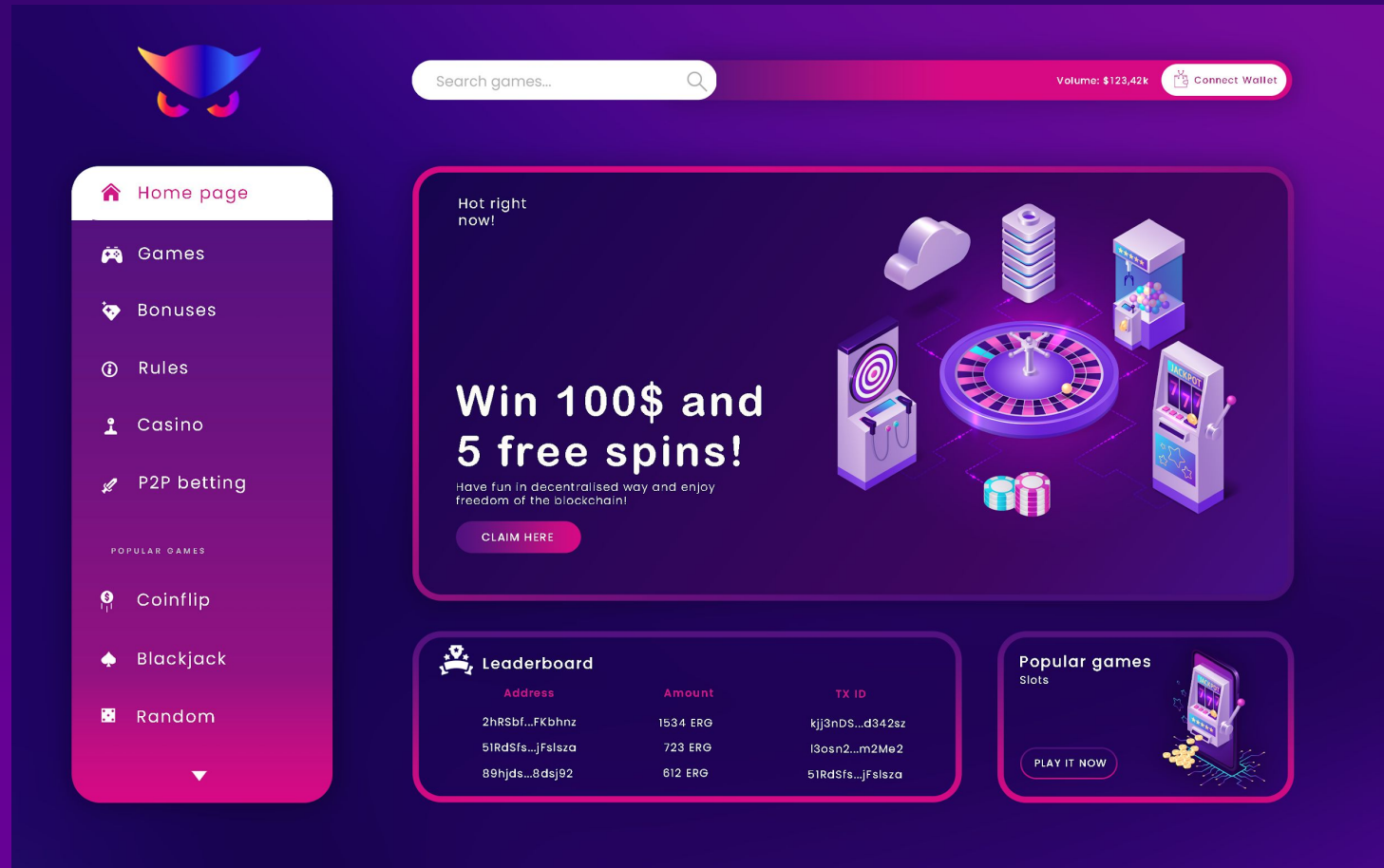Discord Bot with ErgoMixer Integration

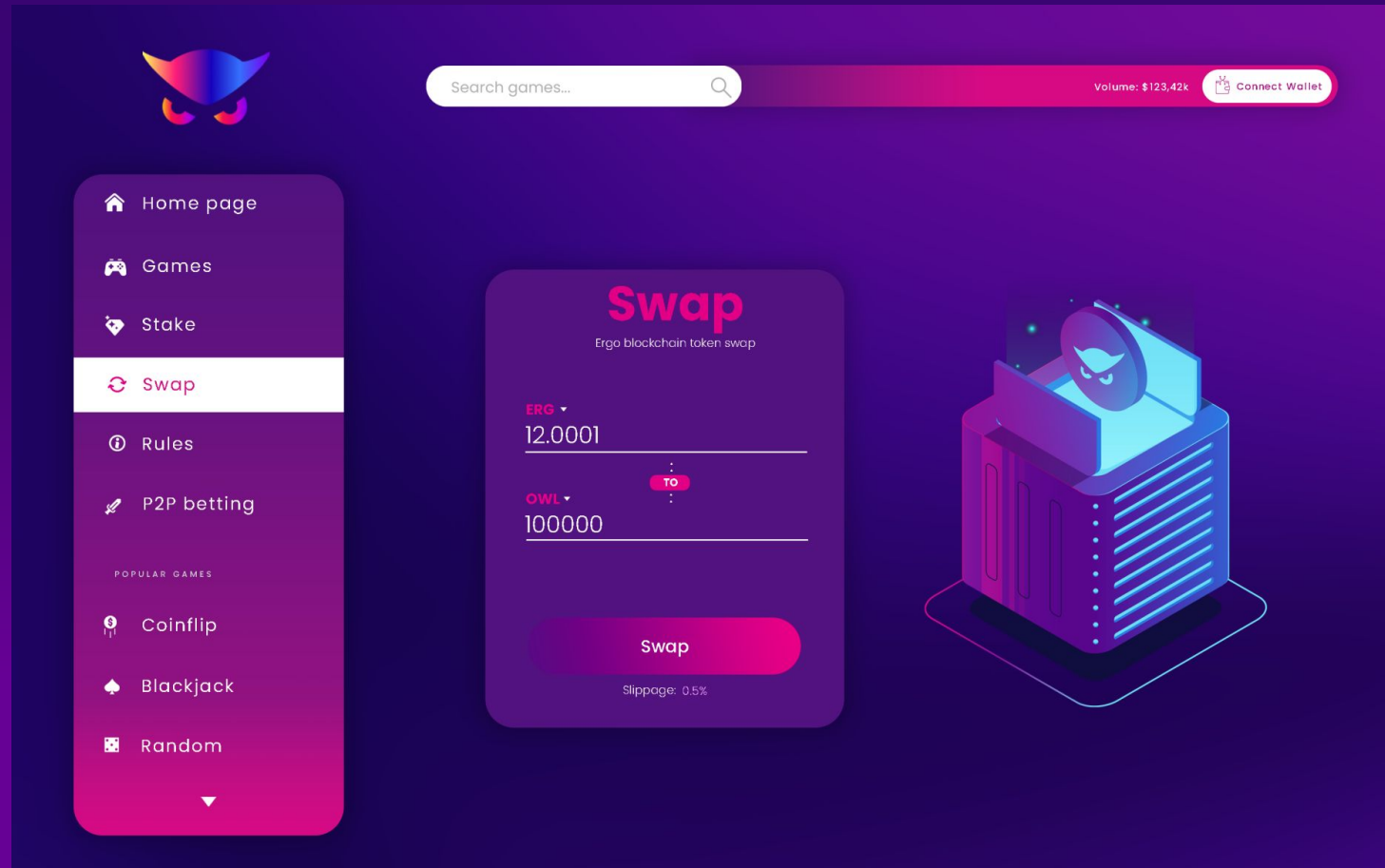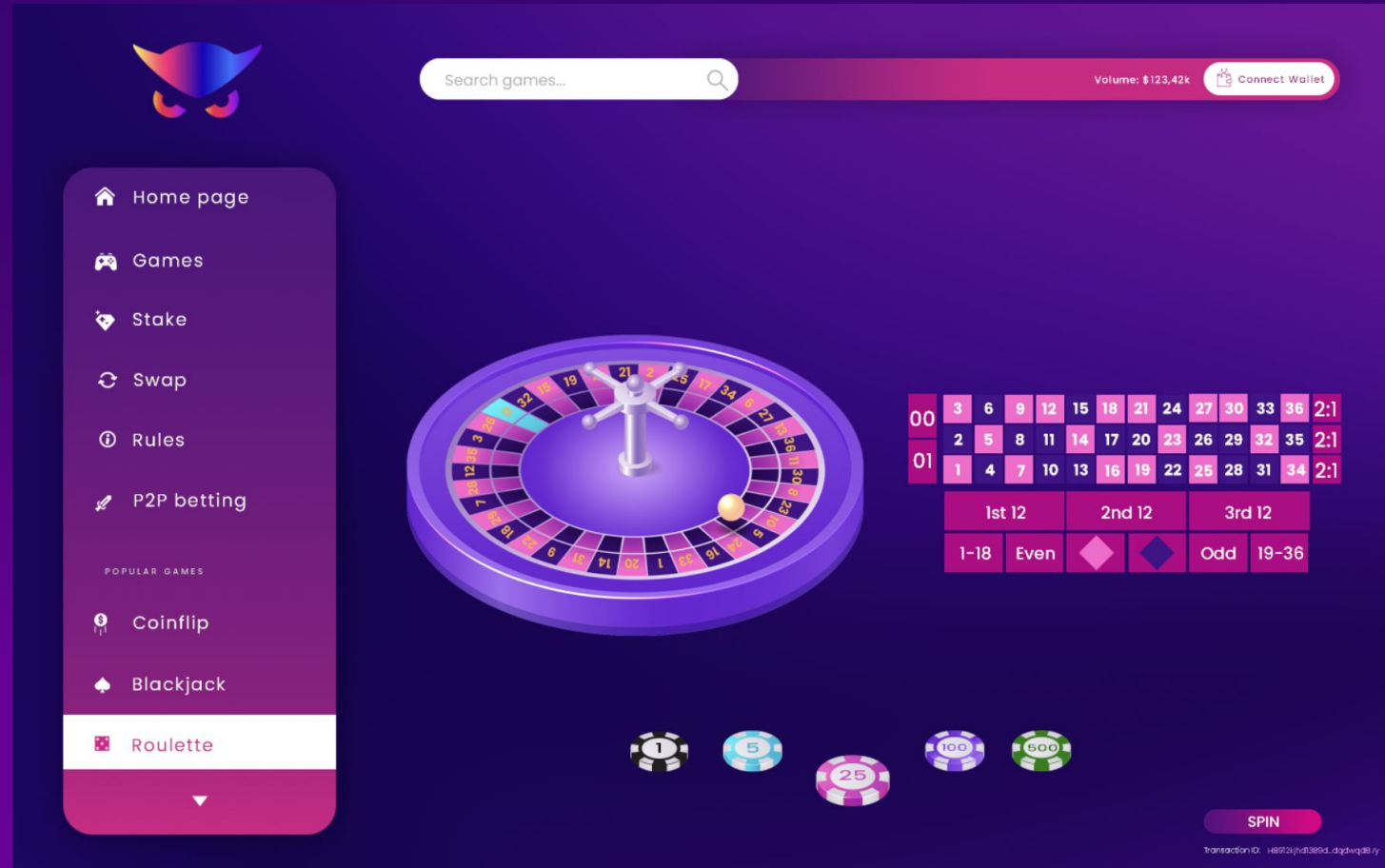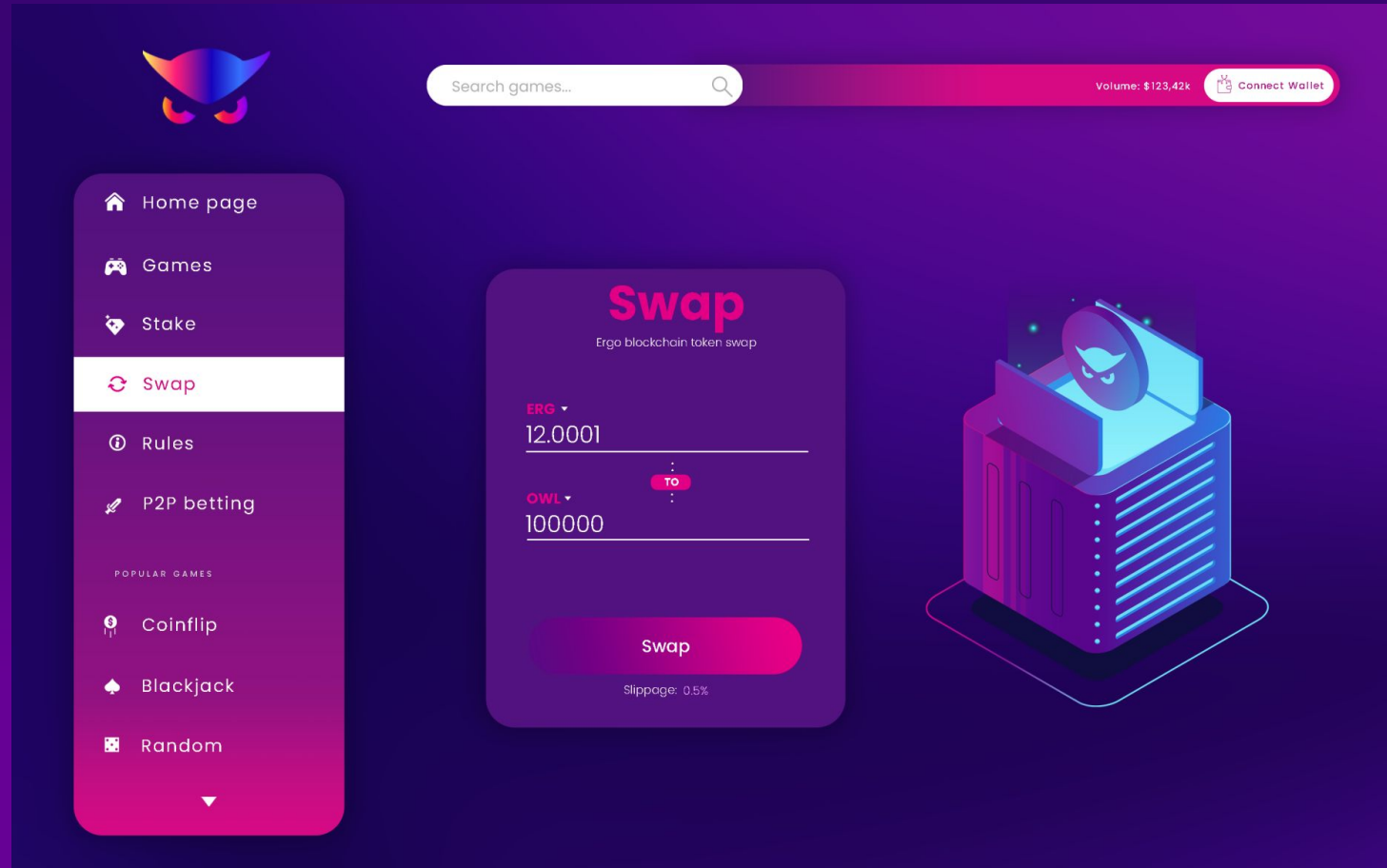- https://github.com/nightowlcasino/ergomixer-nightowl

Frontend

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Home Page

Swap

Liquidity
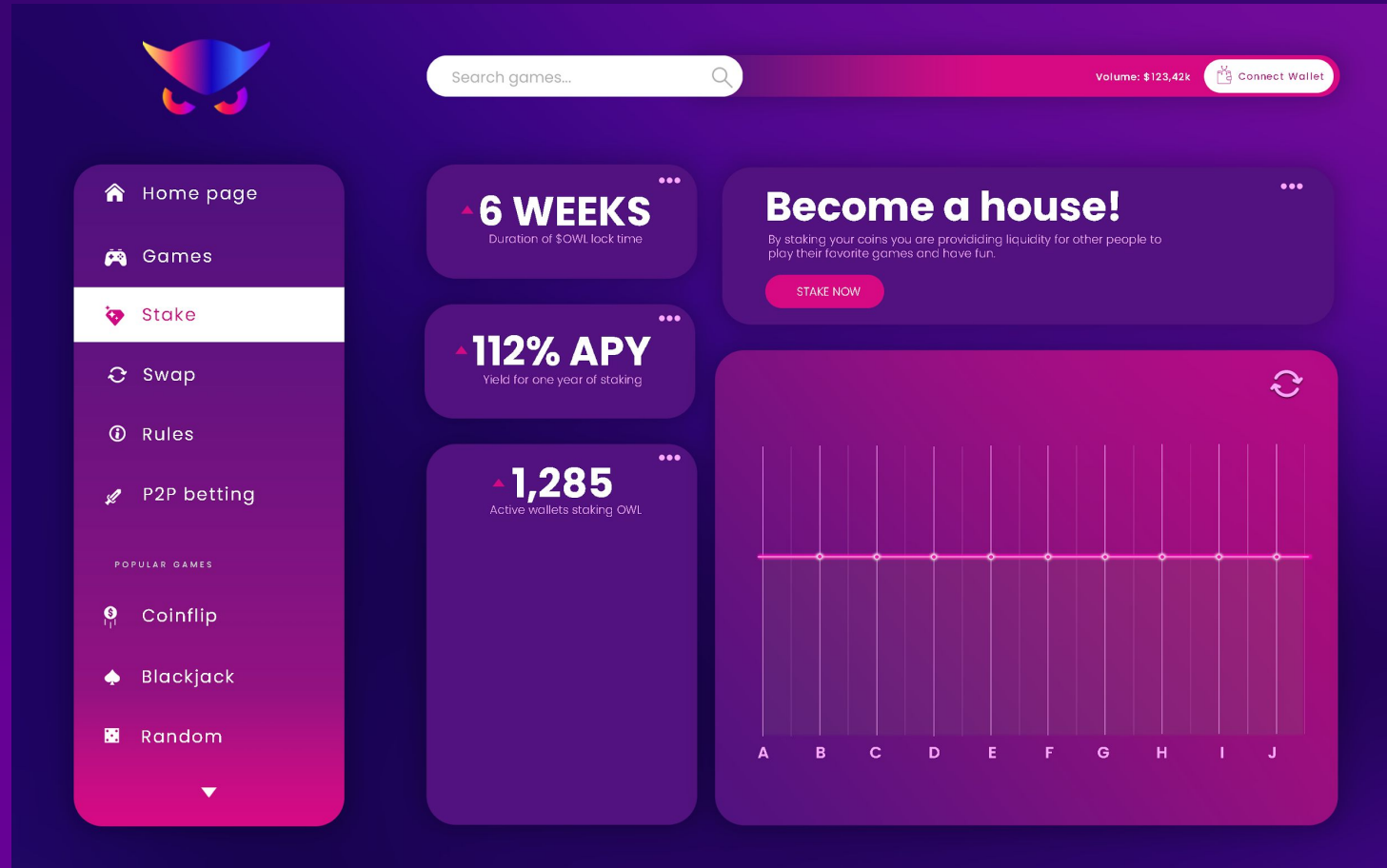
Roulette

Coin Flip

Code and Info - Frontend

Frontend Repo:

- https://github.com/nightowlcasino/NightOwl-Frontend

Latest branch:

- https://github.com/nightowlcasino/NightOwl-Frontend/tree/edge

Day 1-3 Agenda

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Day 1-3 Agenda

Day 1 - February 11

- Discuss deliverables and tasks (feedback, concerns, additions, etc)
- Review smart contract platform diagram
- Investigate 'pick a number bot' issues with Ergo team to finalize bot
- Work on Swap Contract, House Contract, Foundation Contract, Game NFT contract*
- Finalize coin flip app mockup
- Work on front page UI
- Research integration of ErgoMixer
- Discuss VPN tunnel
- Create blog and post describing ErgoHack plans and updates (privacy and security)
- Update diagrams to include ErgoMixer on swap level
- Research and discuss ErgoPay integration

Day 2 - February 12

- Discuss monitoring / alerting solutions
- Spin up servers on Njalla - lowest option until load increased
- Finalize work on Swap Contract, House Contract, Foundation Contract, Game NFT contract*
- Finalize swap and coinflip mockup
- Deploy backend stack to njalla servers
- Add vpn tunnel
- Finalize design and wallet integration (ErgoPay)
- Work on Ergoscript design for roulette, coinflip, blackjack, poker
- Finalize coinflip frontend
- Finalize front page frontend
- Design integration of ErgoMixer for privacy
- look into integration of zero knowledge proof
- review and finalize readme

Day 3 - February 13

- Bring https://dev.nightowlcasino.io/ to life
- ErgoScript design for Roulette complete
- Finalize ErgoPay integration
- Have working swap with ErgoMixer
- Create a blog and posts summarizing hackathon and progress
- Competitive analysis work
- Aim for roulette game integration
- Prepare documentation for ErgoHack

Competitive Analysis WIP

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Competitive Analysis WIP

	Night Owl	FLIP Token	Find 6	SportX	TT Guess	KenoTT	LuckyFlip	Dice Planet	Coin Flipping	Wink	Hunny Play	DexSport	Smile Coin
Blockchain	Ergo	BSC	BSC/ONE/POLY Thundercore	POLY	Thunder Core	Thunder Core	BSC/POLY/Thunder Core/ Avalanche	Thunder Core	BSC/ONE/POLY Fantom	TRON	BSC	BSC	ALGO
Total Supply		1B	NA	1B	NA	NA	NA	NA	NA	961B	NA	1B	10B
White Paper	Lite Paper	Lite Paper	NO										
Open Source	YES	NO	NO										
Products	Swap / Liquidity Providing / Coin Flip / Roulette and Growing	Coin Flip	Dice Game	Sports book / Prop bets / Staking			Coin Flip		Coin Flip	Sports book		Sport + Esport Books	Lotto + Slots + Staking
Strengths		2x Payouts + jackpot	Large possible payouts	Professional sport book UI + large product offering			Dapp Connected + easy to use		Low min bets + simple design + jackpot	Large social media following (207k)	Large social media following (26k)		
Weaknesses		15% Tx Fee + Single product offering	No Whitepaper + No transparency + No listed team	Georestricted/ Centralized				Low transparency			Georestricted		

Night Owl team after ErgoHack III

"Thank you so much or taking the time to read through and assisting us through this project!!!" - Night Owl Team