Project Title:

DINO Game

Team Members:

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Project Description:

- Users register on the DINO platform and link their cryptocurrency wallets.
- Users deposit crypto into the platform to fund their accounts for betting.
- Users bet on the Upcoming game's character.
- If the user chosen character wins, the smart contract calculates and automatically transfers the winnings to the user's wallet.
- All transactions, including bets and payouts, are recorded on the Ethereum blockchain for transparency.

User roles:

Players

- Players link their cryptocurrency wallets.
- Players place bets using their crypto.
- Players engage with the games, relying on the platform's interface for a seamless experience.
- Players automatically receive winnings into their wallets if they win.
- Players can verify all transactions and game outcomes on the Ethereum blockchain for transparency.

Why are you using Blockchain?

1. Every transaction, bet, and game outcome is recorded on the blockchain, creating a transparent ledger.
2. These self-executing contracts automate game rules and payouts without human intervention, ensuring fair play.
3. Once recorded, transactions on the blockchain cannot be tampered with, protecting against fraud and manipulation.
4. Smart contracts automate many processes, such as bet execution and payouts, reducing the need for intermediaries and lowering operational costs.
5. Users transact with cryptocurrency, maintaining control over their funds without relying on traditional banking systems.
6. Blockchain creates a trustless environment where users do not need to trust the platform operators or other players; they can trust the code and the blockchain itself.

Basic Wireframes and UI:

**Excalidraw Link (if image isnt clear): Link**
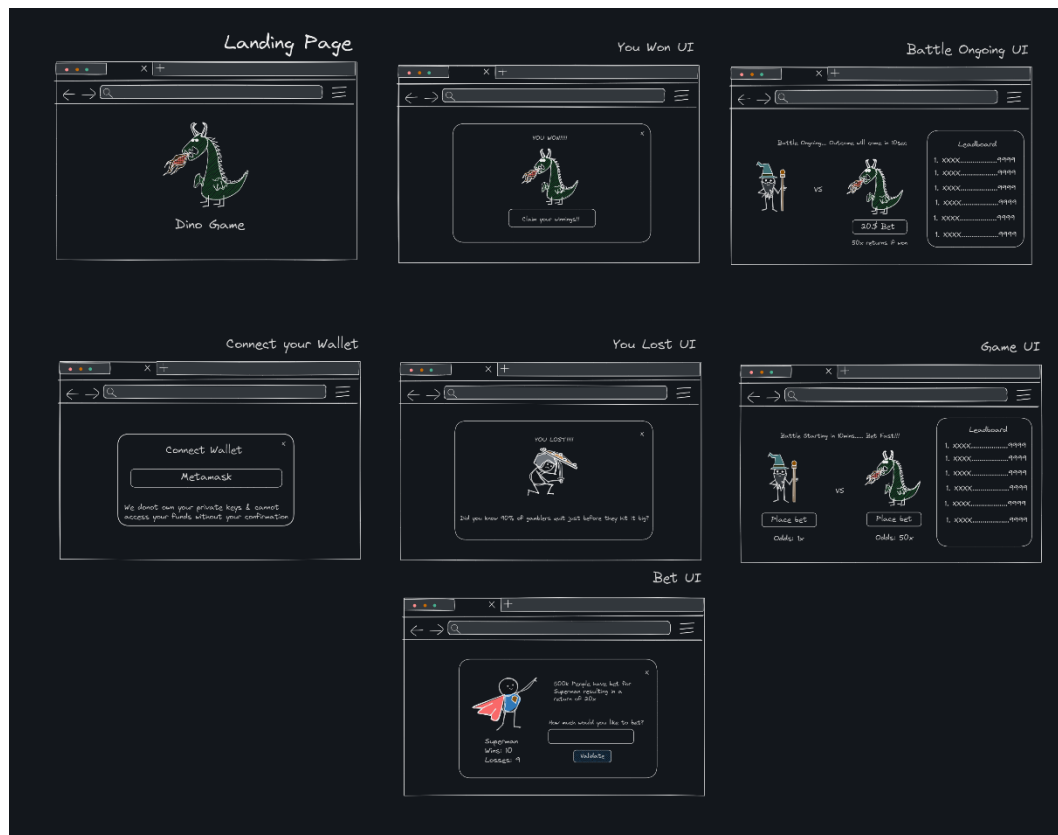
Project Link: Here

Project Overview:
Making the UI of Dino Game was quite fun and messing around with certain UI elements were quite enjoyable. Ensuring the self executing nature of the contract was exact and work properly was challenging however I was able to make it successfully. Being able to use relatively new technologies such as TanStack Router, View Transitions API and web3 was quite fun and integrating with the blockchain was a wonderful learning experience.

Deployed Project Link: Here

Project Screenshots:
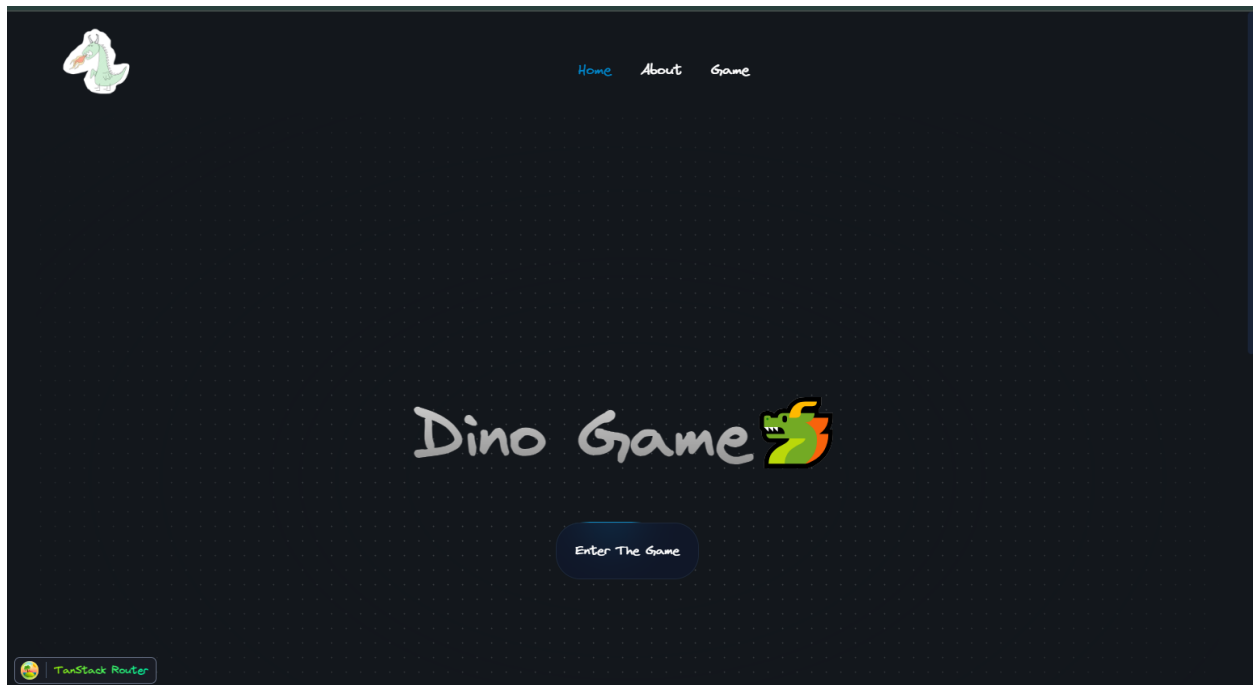
$ $ Bet on a Cast of Colorful characters in Simulated Battles and Win Moneyyy 🧩 🧩

Construction Worker

Diver

Evil Guy

Connect Your Wallet

Metamask Wallet

NOTE: We do not own your private keys & cannot
access your funds without your confirmation

Game Ongoing...

VS

Place Bet

Odds: 1x Times

Place Bet

Odds: 1x Times

Leaderboard

1. Player1	1000
2. Player2	950
3. Player3	900
4. Player4	850
5. Player5	800

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TanStack Router

My Account ^

Wallet Address
0x141b3af9ef56c4f..

Sign out

Game Ongoing...

Leaderboard

1. Player1	1000
2. Player2	950
3. Player3	900

Attack

Speed

Defense

Special Defense

Special Attack

Wins: 10
Losses: 1

How much would you like to bet? (in ETH)

Submit

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My Account

Wallet Address
0x141b3af9ef5

Sign out

Attack

Speed

Defense

Special Defense

Special Attack

Wins: 10
Losses: 1

How much would you like to bet? (in ETH)

Submit

1000
950
900
850
800

Place B

Odds: 1x
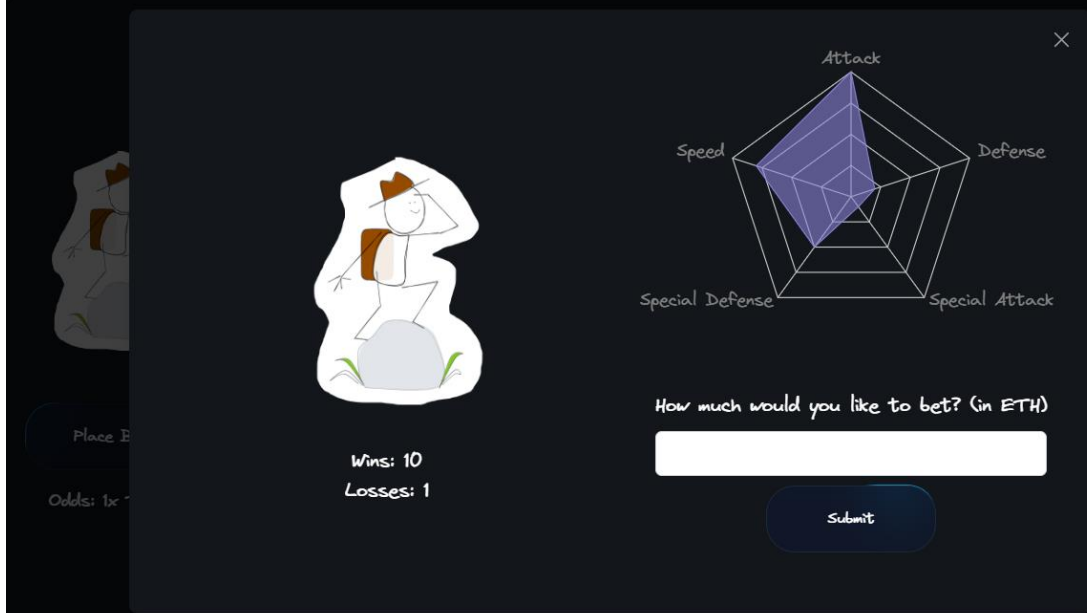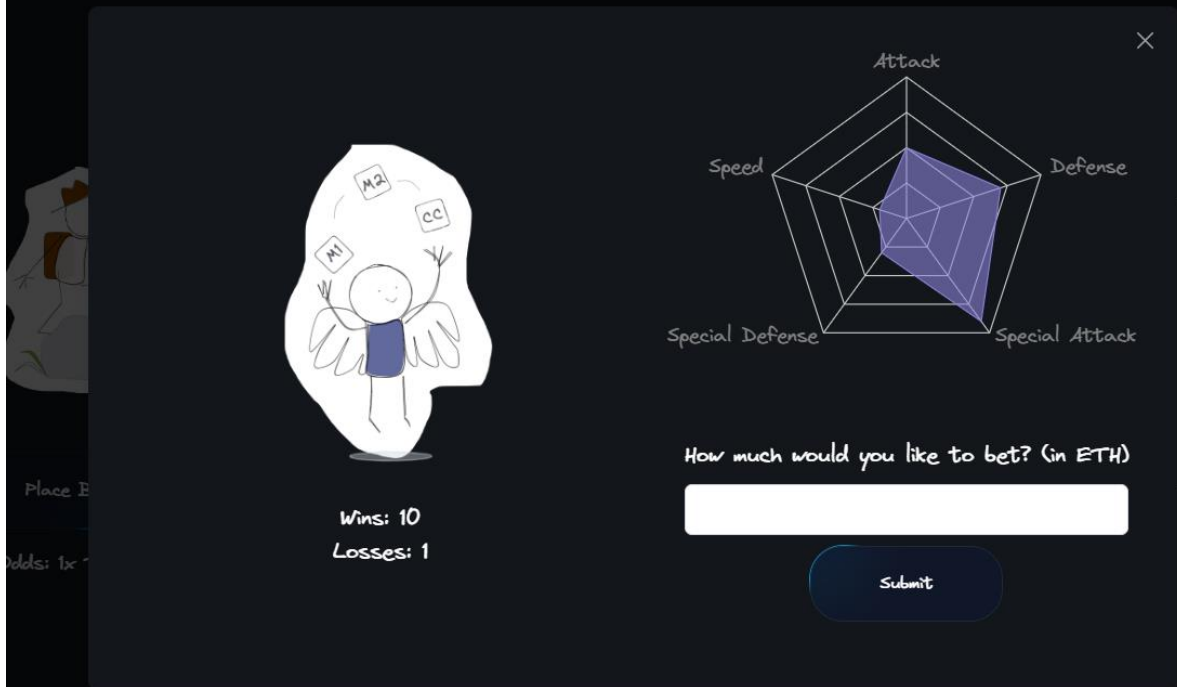
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YOU LOST!!!

Did you know 90% of players quit before they hit it big!!

YOU WON!!

Claim your winnings!!