Design Mockup
Team-15 Astrum
Astrum Blockchain Lottery

Blockchain and Blockchain Lottery:

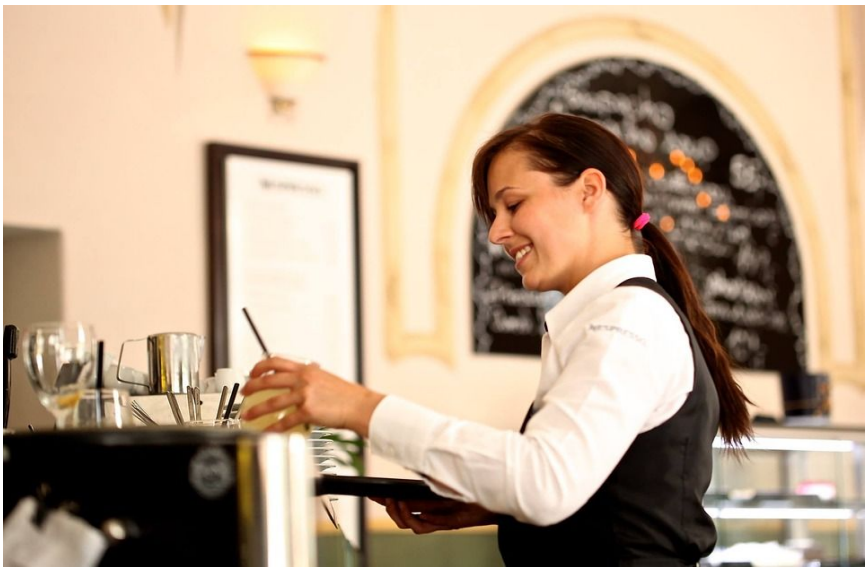
Blockchain is a public electronic ledger - similar to a relational database - that can be shared among users and that creates an unchangeable record of their transactions, each one time-stamped and linked to the previous one. Each digital record or transaction in the thread is called a block, and it allows set of users to participate in the electronic ledger.

We are developing a decentralized blockchain lottery application which will be using blockchain to implement a fair gaming system, all transactions and poll amount will be transparent for all users. **Astrum** Blockchain lottery will ensure that the 60-70% of the total ethers will contribute to the jackpot will The advantage of this blockchain lottery is its transparency, anonymity, and accessibility. All the participants have information about each other's actions. Information about payments and the lottery mechanisms is for public access on the Ethereum blockchain. Blockchain allows peer-to-peer transactions without the need for a third party. Everyone who wants to earn money and receive a prize can participate.

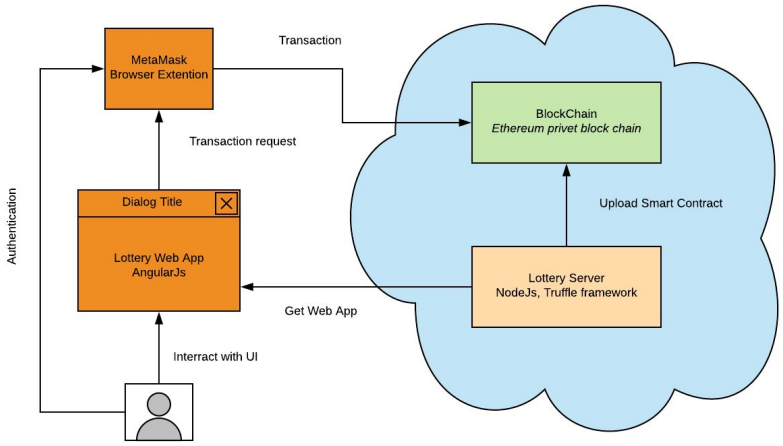
Use cases/Personas:

1. Nick : Nick is 32 years old and lives in California. He works for a Software Company and likes to play online games during some free time. Nick also has some knowledge of cryptocurrency. But he doesn't want to risk his money in online lottery games as he feels it doesn't uses fair mechanism to choose a winner.

2. Pam : Pam works in a Restaurant . She likes to read and has some interest in online trading. Pam likes to invest and make money if she is convinced the application is safe enough to take the risk.



The Architecture of blockchain lottery:



How this works:

1. The Metamask extension will be used for the Ethereum blockchain operations (authentications, make transactions). It allows to run Ethereum app right in browser without running a full Ethereum node.

2. Each user will have 10 tokens initially which can be used for making bids. Players may choose to place bets on the numbers between 1 to 100 or color between red/black. All poll from red/black game will be distributed between people who win. The pool from number game could be moved to jackpot if there is no winner. A player can play till he/she has enough tokens for making bids.

3. During presentation for each student will be pregenerated account with some amount of ethers and everybody will have a chance to play in lottery during presentation. The person who will have the biggest balance at the end will receive the prize - Starbucks gift card.

4. Different types of real time analytics will be provided to profe the fairness of the system.

Snapshots of web-app:

ASTRUM

Online Crypto Lottery

...powered by Ethereum

-Our Motto-

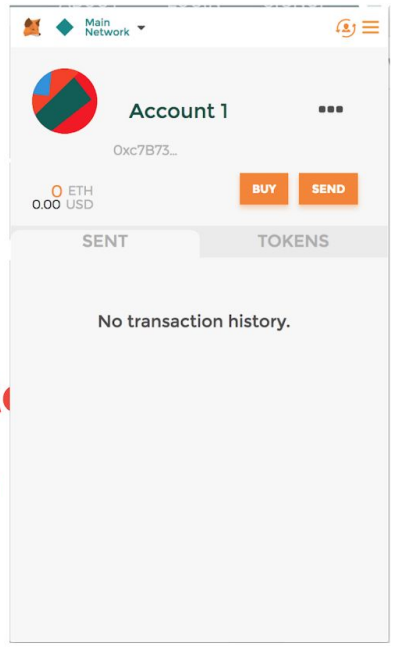
Hello, We are team *Astrum* and we aim to create a decentralized, secure and robust platform for the online Lottery system.

The problem today in the whole gambling industry is that the odds are always in favor of betting providers and bookmakers. Professional betting companies, casinos, and other betting institutions are always winning.

This kind of systems make unfair conditions for all players, that's why all gambling industry has a bad reputation.

Our solution is to form a transparent, secure and trustful crypto-currency online peer-to-peer lottery platform that is developed using decentralize blockchain technology. The platform will connect people who like bets. People will play against each other without involving any institutions as a third party. Blockchain technology, in this case, will help to eliminate uncertainties and provide transparency and traceability of all customer's bets.

Astrum | Home | About



ASTRUM

Online Crypto Lotte

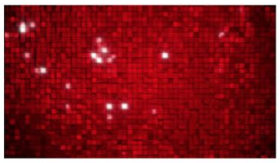
...powered by Ethereum

Astrum Home About MyProfile

#bidYourEthers

Enter a number between 1-100 to place your bid

Enter number of #Ethers you want to bid



Place Bid

#biddersOnline

38

View more statistics

23

#Ethers

The number of available tokens associated with your account.

want more ethers?

Buy more