Written by [Cryptojadoo](#)

# Sic Parvis Magna(Version 0.1)

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Introduction

Sic Parvis Magna (which translates to "Greatness from Small Beginnings" in Latin) is a defi protocol that provides decentralized games on the Ethereum mainnet. These games allow users to win $USDC, $BTC and $ETH, while simultaneously generating revenue for a periodic jackpot draw and a treasury that will yield dividends to $UNCLE stakers. The staking mechanism is TBD but will generate yield in all three currencies feeding into the platform.

Anyone with an ERC-20 address can connect their wallet to the platform, play the game and win from the pool that was created by the users. The protocol generates revenue by charging the winners with a small fee.

Draft Plan
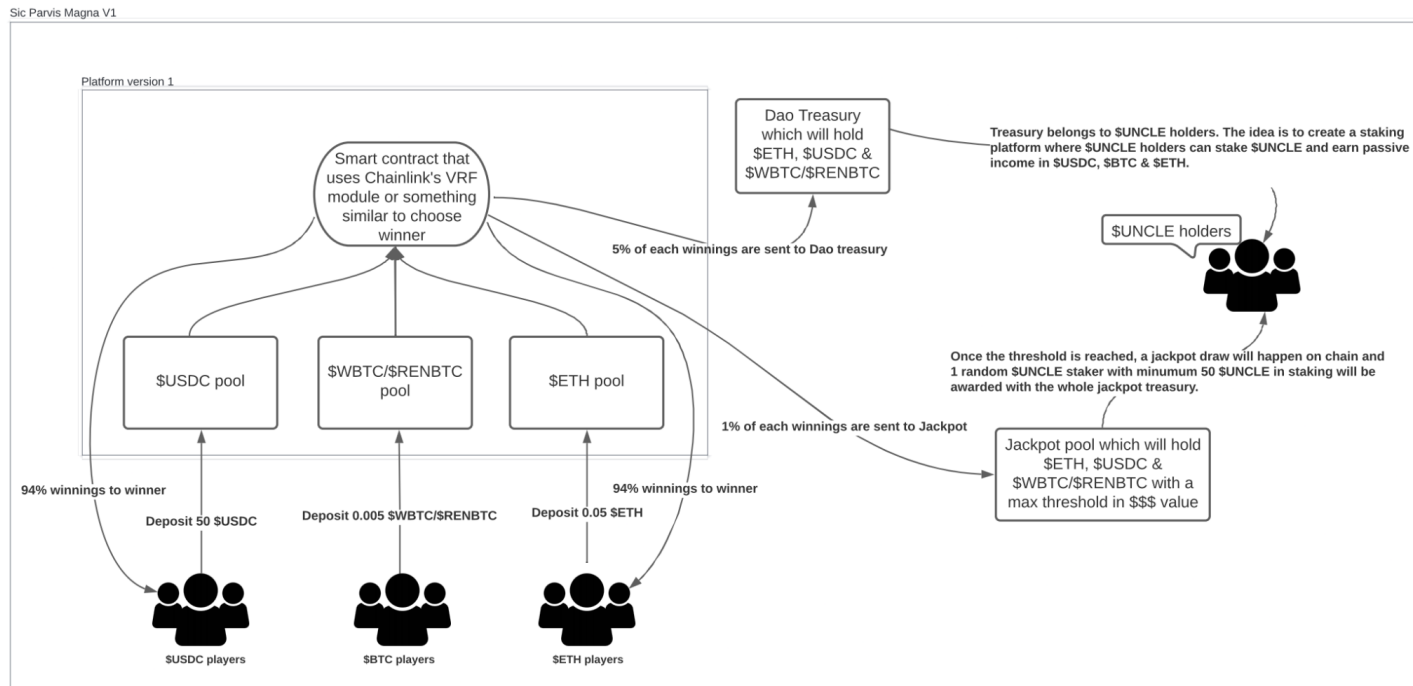
Smart contract architecture

Lottery

The smart contract will be designed to conduct a draw every three hours for each pool, which means we will have a draw every hour, since we have three pools. Anyone with an ERC-20 wallet can participate in the lottery and in the pool of their choice without holding any $UNCLE tokens. Five minutes before the draw, the pool deposits will be closed, and the winner will be chosen via on-chain draw. Chainlink VRF or similar decentralized technology will be used to draw a random depositor. After the draw, 94% of the funds are transferred to the winner, 5% goes to the treasury, and 1% goes to the jackpot pool. It's important to note that the smart contract will only trigger a draw if a minimum number of depositors is met, otherwise the draw will skip to the next round. This mechanism is in place to avoid very tiny winnings compared to the gas fee that is used to perform these transactions.

Jackpot

There will be three jackpot pools: $USDC, $ETH, and $BTC. The smart contract will be designed to recognize a threshold (in dollar value) for these pools, and as soon as the threshold is met, a draw will happen on-chain and a random $UNCLE staker with a minimum of 50 staked tokens will be chosen as the winner. The winner will have a 24-hour window to claim the winnings, and in return, he/she will have to burn 50 $UNCLE. All these processes should happen in one transaction carried out by the smart contract. It is important to note that in order to be eligible for the jackpot, there is a minimum stake duration of 30 days. This rule prevents people from buying up tokens just before the jackpot draw or near to the draw.

Governance

Holders of $UNCLE token can vote on the fee parameters used within the platform. None of the parameters mentioned in the draft plan are fixed within the smart contract, so these numbers can be changed upon a governance vote. However, it's always important to keep these parameters in a good balance. If the fee is too high, then fewer people will use the platform, which will lead to less revenue made by protocol and fewer staking rewards for $UNCLE stakers.balance because if the fee is too high then fewer people will use the platform → less revenue made by protocol → less staking rewards for $UNCLE stakers.

Uncertainties

It's possible that the winner of the jackpot can win the draw again consecutively, so we might need to include an additional logic to avoid this.

We will also want to evaluate:

- The threshold for jackpot pools in dollar value to trigger a jackpot draw;
- The minimum amount of $UNCLE tokens staked to make an address eligible for a jackpot draw;
- The staking mechanism that fairly distributes the funds in the DAO treasury to stakers.