

## VISION

Vision is to create a seamless, secure, and user-friendly decentralized trading experience that connects users with the Ethereum blockchains and beyond.

By integrating MetaMask and various wallet solutions, we aim to simplify access to decentralized finance (DeFi) while ensuring robust security and operational efficiency.

## GOALS

Enhance Security: Utilize MetaMask and other wallets to provide secure authentication and transactions.

Simplify Access: Enable users to interact with the DEX using their preferred wallets.

Scalability: Develop an architecture that supports the addition of new features and blockchain networks.

# METAMASK INTEGRATION



## Benefits of MetaMask Integration

**Seamless Authentication:** Users can log in to the DEX using their MetaMask wallet, eliminating the need for traditional login systems.

**Enhanced Security:** MetaMask's secure wallet ensures that users' private keys and funds are protected.

**User-Friendly Experience:** Simplifies transactions and interactions with Ethereum-based assets.

## Resources:

<https://github.com/gavriles/auth-metamask>

<https://docs.metamask.io/wallet/tutorials/>

# MULTI-WALLET SUPPORT



## Integrating Other Wallets

- Trust Wallet
- Coinbase Wallet
- Ledger and Trezor Hardware Wallets

## Benefits of Multi-Wallet Support

- Wider Accessibility: Users can choose their preferred wallet, increasing accessibility and adoption.
- Enhanced User Flexibility: Supports a variety of wallet types, including mobile and hardware wallets.

## Resources:

<https://docs.cdp.coinbase.com/>

<https://community.trustwallet.com/>

# THE GRAPH INTEGRATION



The Graph is a decentralized protocol for indexing and querying blockchain data. It enables efficient and scalable retrieval of real-time and historical data from various blockchains.

## Benefits for DEX

- Real-Time Data: Query on-chain transaction data, including token balances and trade history.
- Scalability: Handle large volumes of data and users without compromising performance.
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## Technical Implementation

- Subgraph Setup: Deploy subgraphs to index relevant blockchain data.
- GraphQL Queries: Use GraphQL to fetch and display real-time data on the DEX.

## Resources:

<https://thegraph.com/docs/en/>

## FUTURE POTENTIAL



### **Integration with DeFi protocols:**

DEX can automatically provide information on the best bets for profitable farming or staking.

Automatically connect to the pool with the most liquidity.

### **Liquidity Pool Analytics:**

Tools to analyze the returns and risks of each liquidity pool.

The user can view which assets have been placed in the pool and in what quantity, as well as their current ratio.

### **Smart Contracts can automatically execute trades based on pre-defined conditions (e.g. limit orders).**

Users can receive notifications when target prices are reached, making trading more efficient.