Crypto 455 Trading Platform

Who is it for?

Those interested in researching and/or trading cryptocurrencies

What will it do?

View current crypto prices/trade crypto

What type of data will it store?

Basic user information, current and historical crypto prices, portfolio values

What is some additional functionality you can add/remove based on time constraints?

Most stretch goals - additional security features, trading with real crypto instead of paper money, subaccounts

Feature requirements:

Minimal
- View real time price of cryptocurrencies
- View current portfolio
- Bookmark cryptocurrencies of interest

Standard
- Able to trade (purchase/sell) currency (fake)
- Staking cryptocurrencies
- Subaccounts/managing others'/friends' crypto
- Historical portfolio value
- Portfolio performance visualization
- Group game (investopedia)
- NFT Auctions
- 2FA/MFA

Stretch
- Trading with real crypto/money
- Payment integration for cash deposits
- Complex closing options (conditional buy/sell)
- Import data from existing exchanges
- Technical indicators/complex charting
- Options trading
- Simplified vs advanced crypto view (e.g. kraken trade page vs cryptowatch main page)
- News
- Social media (e.g. "Twitter" feed to promote NFTs)

Breakdown
- View current portfolio
  - Get bookmarked coins
  - Get remaining portfolio coins
  - Get coin prices
  - Calculate individual portfolio coin values
  - Sum total portfolio value
- Bookmark cryptocurrencies of interest
  - Search for cryptocurrencies
  - Apply search filters, if any
  - Display cryptocurrency information
  - Select bookmark option
  - Update user profile

Prototype sketches:

ℱM   Trade   Prices   Leaderboard   Support   Profile

New Order   Orders   Positions   Trades

Order   [Buy] [Sell]   DOGE/USD ▾
Choose to buy or sell an asset.

Amount   100.230032

Order Type   0.23213   USD   [Market] [Limit]

Total   0.23132   USD   Buy DOGE with USD »

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New Order   Orders   **Positions**   Trades

Balances

Asset	Amount	Price	24H	
₿	0.002	41,080.1	+8.6%	Buy
◆	0.5	2,826.7	+12.8%	Buy
✕	300.27	1.206	+10.15%	Buy