



Coinfun

A project by Team_Akatsuki



what it does?

Coinfun is a website that makes trading cryptocurrencies easier.

Features 8 of the most traded cryptocurrencies in the trading world

How to trade ?



Trading is done through USDT.

A registered user needs to buy USDT from prospective sellers.

These USDT can be used to buy the listed cryptos at market price.



trading made easier

trading USDT

The app has a P2P buying and selling window to trade USDT

Buying and Selling Cryptos

A User can use their USDT balance to buy and sell cryptos at the market price listed.

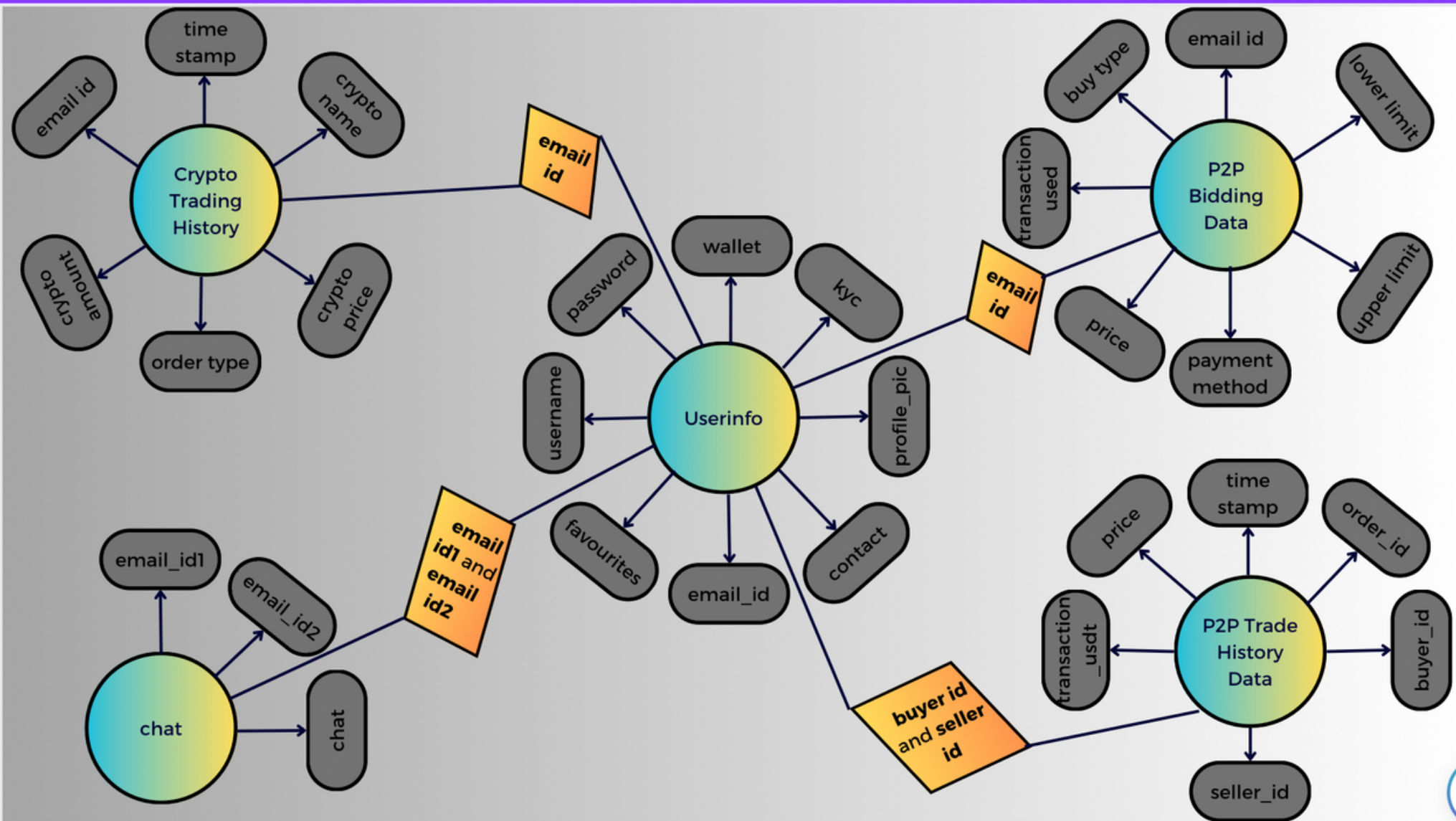


”

The P2P feature has a chat facility that allows you to talk to the client.

“

ER DIAGRAM



Dataset used:

- 1)Generated fake data for SQL database using self written code of 250+ lines
- 2)Used ccxt package to download data for making crypto charts in real-time from bybit exchange

Testing and Coverage

69 Unit Tests that passes and gives 78% coverage in over 700+ lines of code in 10+ modules.

```
===== 69 passed, 12 warnings in 19.24s =====  
=====  
(venv) (base) rajan@rajan-Inspiron-3576:~/Desktop/COP290/Coinfun/backend$ coverage report -m  
Name                               Stmts  Miss  Cover   Missing  
-----  
utils/__init__.py                   0      0   100%  
utils/chat.py                       88     32    64%    24-27, 44-45, 61-64, 82-83, 88-108  
utils/dashboard.py                  37      0   100%  
utils/encryption_scheme.py          24      0   100%  
utils/fetch_crypto_data_ccxt.py     45      0   100%  
utils/image.py                      11      0   100%  
utils/kyc_api.py                    42      4    90%    21-22, 40-41  
utils/marketandp2p.py               233     95    59%    32-33, 77-78, 94-98, 114-118, 186-190, 194-219, 222-250, 255-287  
utils/order_and_wallet.py            81      6    93%    29-30, 54-55, 92-93  
utils/otp.py                         29      0   100%  
utils/transaction_history.py         38      2    95%    56-57  
utils/userprofile.py                103     19    82%    23-25, 36-37, 49-53, 63-67, 88-89, 118-119  
-----  
TOTAL                               731    158    78%  
(venv) (base) rajan@rajan-Inspiron-3576:~/Desktop/COP290/Coinfun/backend$ cd ..  
(venv) (base) rajan@rajan-Inspiron-3576:~/Desktop/COP290/Coinfun$ git status  
On branch main
```

ML APIs and Packages

FACE DETECTION

Used Google API
for face
detection to do
KYC of the user.

TRANSLATE API

For translating
information
about cryptos
into about 100
different
languages

CCXT , OTP

to download
data of cryptos
from Bybit, To
add "forgot
password"
feature smtp
lib package

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COP290



thank you!

a goal setting presentation
by thomas phillips