START2IMPACT

MongoDB Project

"START2TRADE"

A Dynamic Django and MongoDB Exchange

https://github.com/diegoddie/Bitcoin_exchange.git

Diego Lauricella

PROJECT REQUIREMENTS

- Sign-up and Sign-in system
- Automatic assignment of Bitcoin upon registration
- Ability for the user to post buy and sell orders
- Registration of the transaction when two orders are matched.
- Endpoint to get all active orders
- Endpoint to calculate profit and loss

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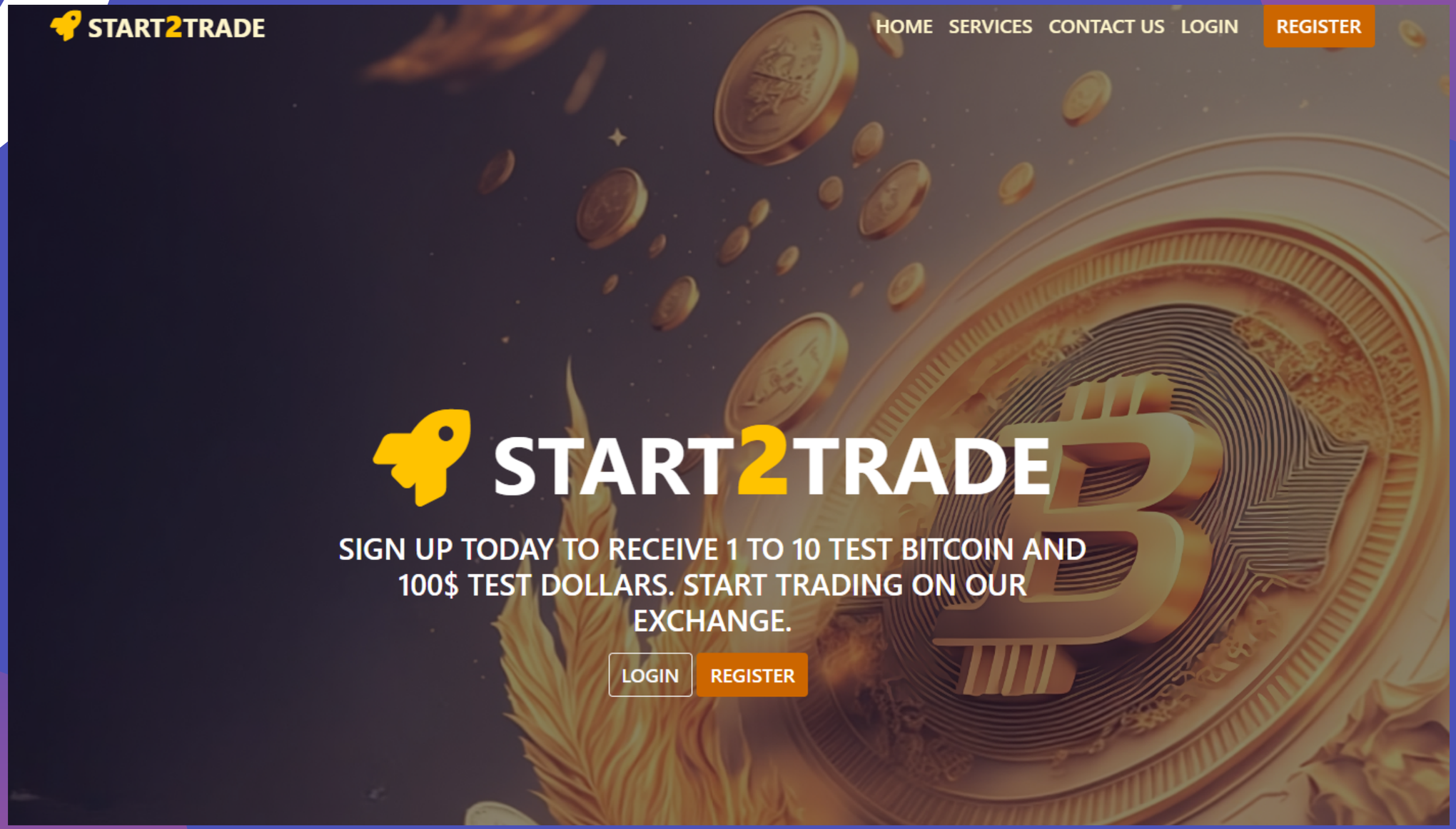
HOME PAGE



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SIGN UP & SIGN IN SYSTEM

REGISTER ACCOUNT

Username

Email

Password

Confirm Password

Register Account

LOGIN

Username

Password

Login

Don't have an account? **Sign Up**

Forgotten Your Password?

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START2TRADE

HI, SATOSHI

At registration, the user receives a random amount of Bitcoin and dollars.

Current value of Bitcoin with the variation of the last 24 hours, updated every 15 minutes

BALANCE DETAILS

BTC: 8.264990000000001

USD available: $80.0

TRADE NOW | DEPOSIT | WITHDRAW | ACTIVE ORDERS

BTC/USD 0.79%

23189.64 $

Profit and Loss

PNL

Loss: -20.0 $

LAST TRANSACTIONS

VIEW ALL

View Transaction History

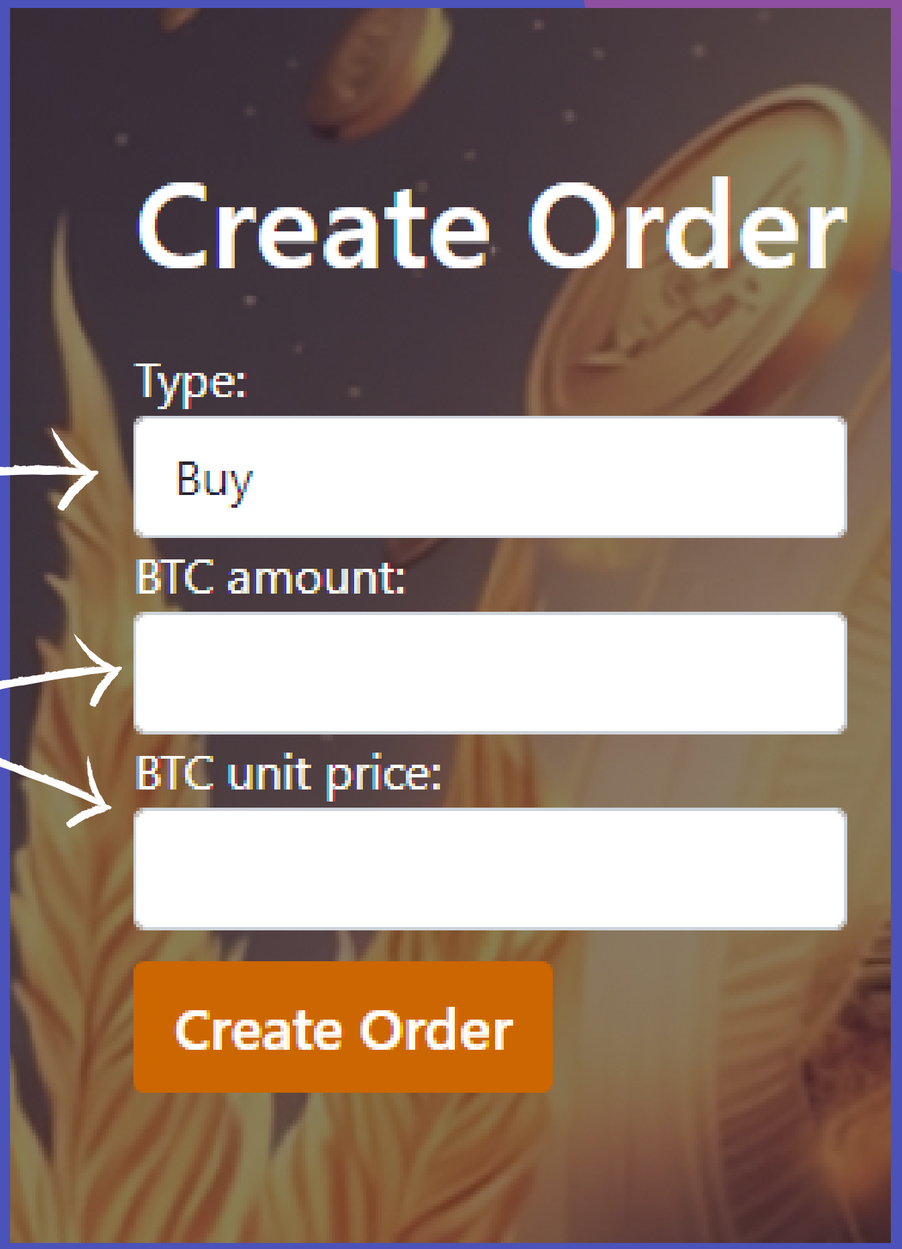
Sold BTC Jan. 28, 2023, 8:10 a.m.	-1.0 BTC +10.0 $
Bought BTC Jan. 28, 2023, 7:59 a.m.	+1.0 BTC -10.0 $
Bought BTC Jan. 26, 2023, 11:04 p.m.	+1.0 BTC -40.0 $

Details of the last 3 transactions

CREATE ORDER

Select the order type: Buy or Sell

Enter the amount of Bitcoin and the unit price



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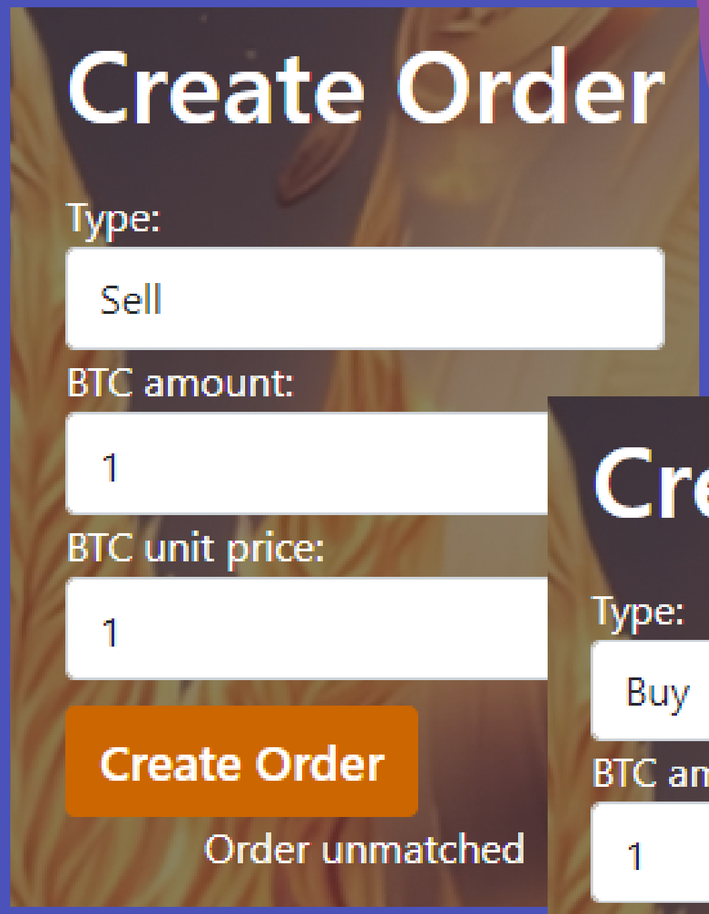
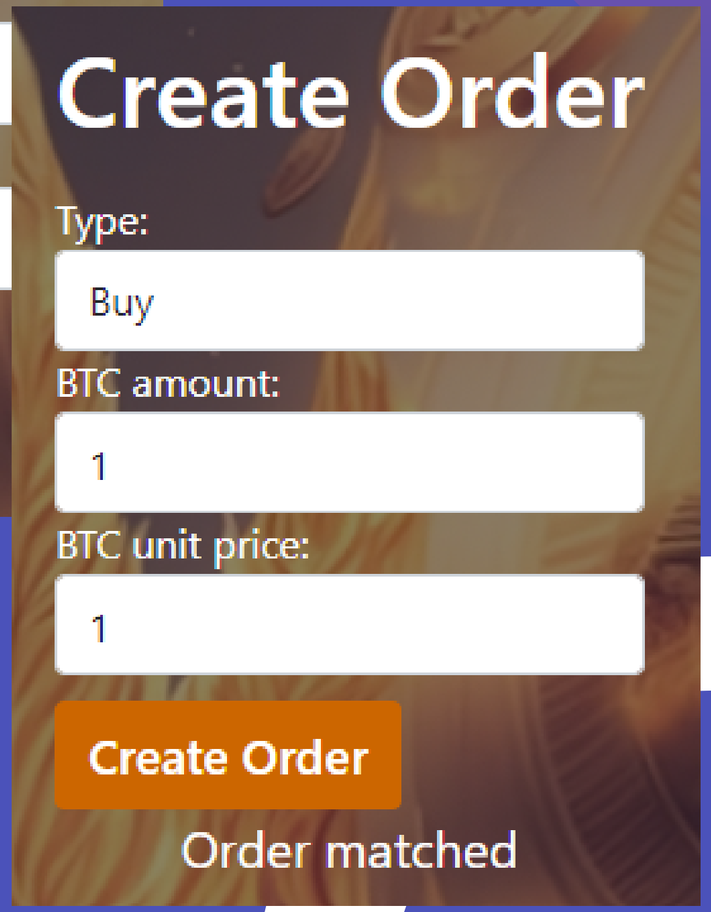
MATCHING ORDERS SYSTEM

If your order has been matched, a transaction will be created and you will receive a confirmation alert on the screen, otherwise it will be added to the list of active orders





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ACTIVE ORDERS

List of unmatched orders, with a delete option

Active Orders

Created	Type	BTC Amount	BTC Unit Price	Total Price	Actions
Jan. 29, 2023, 9:35 a.m.	buy	0.006	8000.0 $	48.0 $	Delete Order
Jan. 29, 2023, 9:34 a.m.	sell	0.5	10000.0 $	5000.0 $	Delete Order

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TRANSACTIONS HISTORY

Transactions History

Date	Type	BTC Amount	BTC Unit Price	Total Price
Jan. 29, 2023, 9:25 a.m.	Sell	1.0	1.0 $	1.0 $
Jan. 29, 2023, 9:19 a.m.	Buy	1.0	10.0 $	10.0 $
Jan. 28, 2023, 8:10 a.m.	Sell	1.0	10.0 $	10.0 $
Jan. 28, 2023, 7:59 a.m.	Buy	1.0	10.0 $	10.0 $
Jan. 26, 2023, 11:04 p.m.	Buy	1.0	40.0 $	40.0 $

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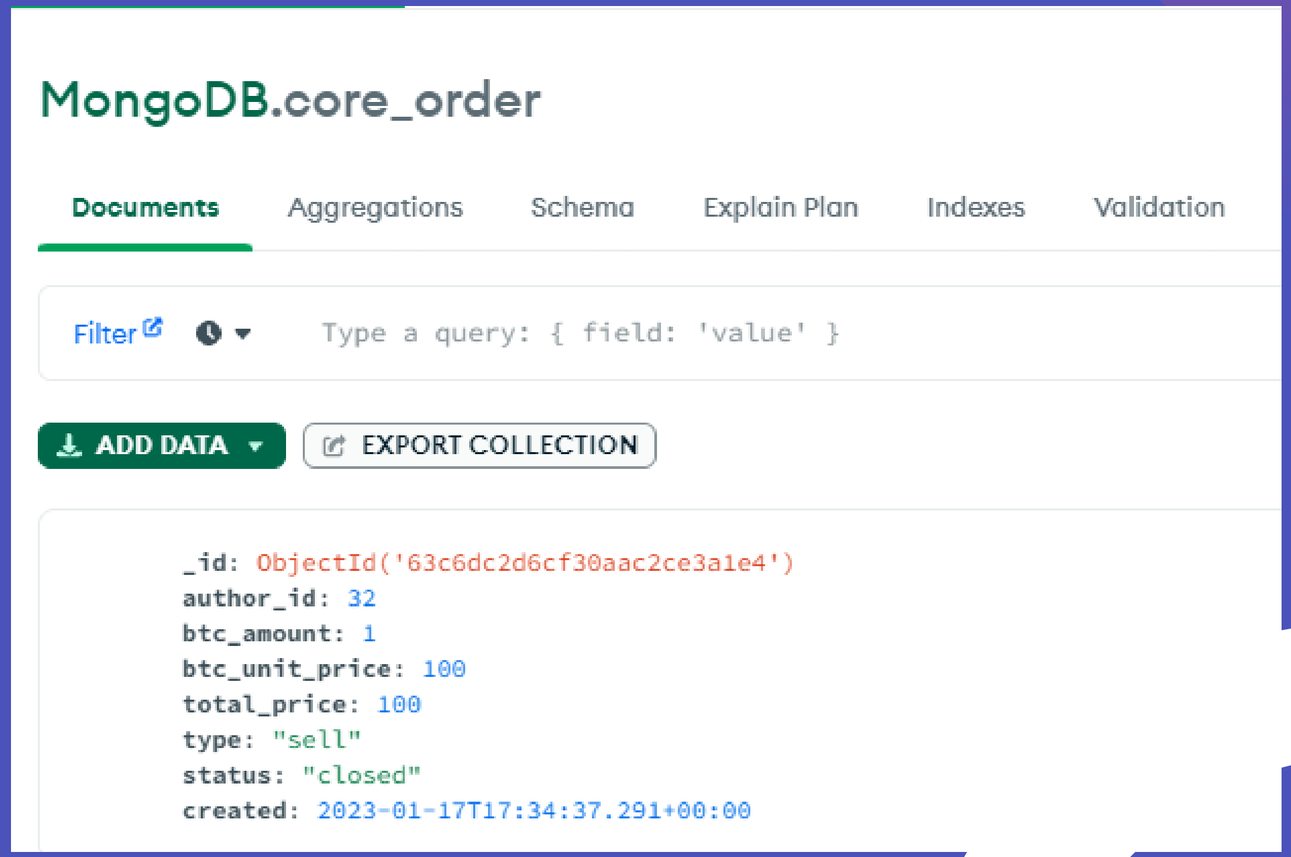
DATABASE

mongoDB

This project uses MongoDB as its database. MongoDB is a NoSQL document-oriented database that allows for flexible and scalable data storage.

With MongoDBCompass, it is possible to view the structure of collections.



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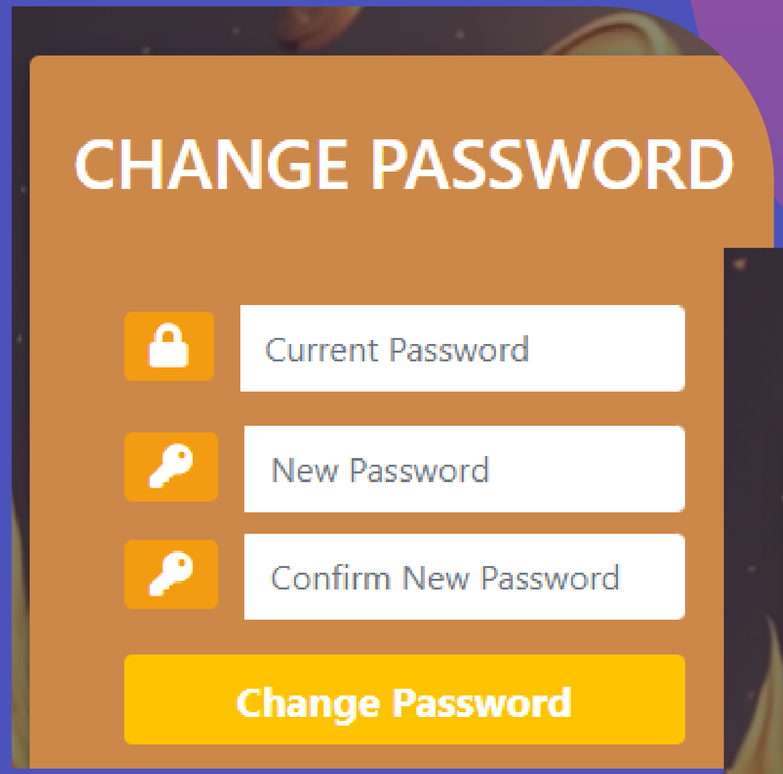
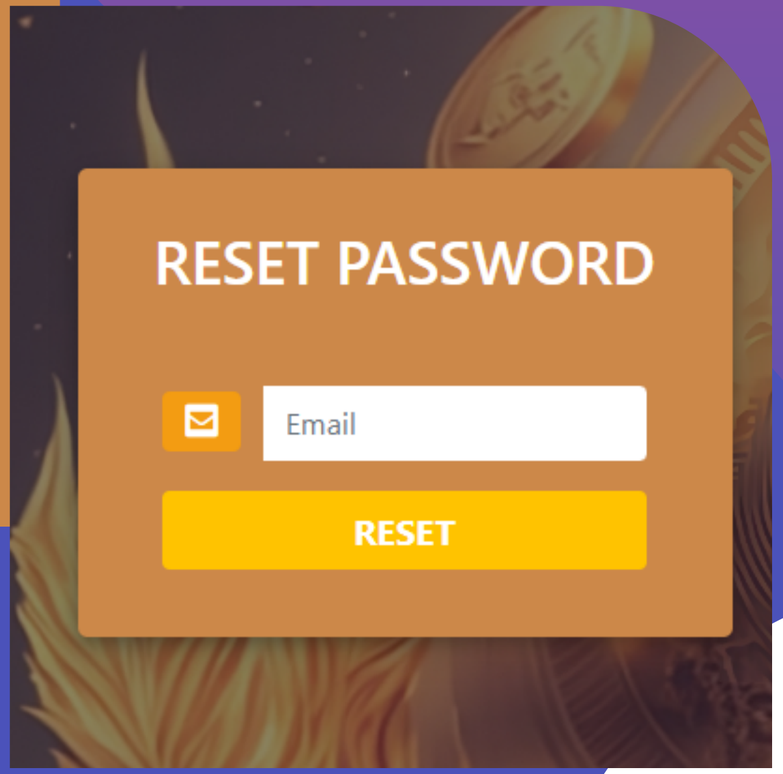
OTHER MINOR IMPLEMENTATIONS

UPDATE & RESET PASSWORD





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THANK YOU

Presenter :

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