2022

# Crypto Exchange Features

**Blockchain is no more a choice, It's an imperative.**

**Delivering security, speed, and reliability. Blockchain gives you what you need to power a digital business.**

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## Overview

Cryptocurrency trades are documented on the Blockchain, flooring the way for decentralized value exchange. By devising a cryptocurrency exchange for users, they can be a part of the chain of the Billion dollar metamorphosis that's coming their way.

Once user gets to know the way businesses and exchanges work it would help him/her understand crypto buyer-seller contract behaviour with expertise.

A **Digital Asset Exchange** or **Crypto Exchange** is a platform that does not depends upon the third party services to hold the user's funds. Rather, trades happen straight between customers **(peer to peer)** by an automated process. This arrangement can be accomplished by creating proxy tokens or assets or by a **decentralized system**, between other solutions that are now being developed.

Webcom Systems, as an experienced Blockchain development company will provide you a customizable and scalable solution with a particular focus on **security, connectivity, and seamless settings**. Be the firm which secures digital asset revolution by Cryptocurrency Exchange Development. Let's commence!

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# CRYPTO EXCHANGE FEATURES

## Website & Apps

Our White label Crypto exchange platform has rich features to give you a competitive edge over the intense competition in the market. We have web-based exchange that has beautifully designed and well placed advanced modules with secure user control panel and Admin control Panel. The application can be provided with an optional Mobile app for the crypto exchange and have also an eye-catching design and with all of the features covered under the web-application. The secure RESTful APIs have been implemented to provide data to the mobile app. The Mobile Apps are available both for the Android as well as iOS users.

## Security

- The system is designed to be highly secure.
- Data Encryption
- DDOS Attack Prevention
- Wallet Management Security
- SSL
- SQL Injection Prevention
- Cloudflare is required for DDoS mitigation.
- The system helps support GDPR compliance.

## KYC/ AML integrated

- The application has been equipped with Advanced KYC/ AML Modules using third party KYC service providers like FrankieOne and Shufti Pro, that provide a complete and unified onboarding and fraud-prevention services. We are open to integrate any of the KYC/AML service provider as per client's choice.

## Comprehensive Reporting

- The application has a very comprehensive reporting system implemented both for the User and Admin control panel with advanced search filters. These reports can be Copied, Printed and Downloaded in the .CSV format.

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## Admin Functionality at Glance

- Admin dashboard displays various exchange statistics.
- Admins can generate a Proof of Solvency report to prove crypto reserves.
- Admins have access to a panic shutdown mechanism, which halts all trading.
- Admins can ban specific users from trading.
- Admins can add cryptocurrency tokens via the admin control panel.

## User Control Panel Functionality at Glance

- KYC
- Profile Management
- Trade History
- Order Book
- Market Order
- Limit Order
- Fund Transfer
- Fund Withdrawal
- Staking Module
- Trade Bots
- SMS Integration
- Wallet management
- Instant Conversion Of the digital Assets
- Security Management
- Charts
- SQL Injection Prevention
- Ticket Generation
- Market Depth
- Risk Management
- Manual Currency Converter
- Fees Calculation
- Exchange API Integration
- Two Factor Authentication
- Service Tax Calculation
- Google Robot Private Checker
- Reference/Reward Management
- Multiple Fiat Currencies Management
- Data Encryption
- DDOS Attack Prevention
- Wallet Management Security
- SSL
- Ticket Revert module
- Cross site Forgery Prevention

## Supported Blockchains

- Bitcoin, Bitcoin Forks, Ethereum, ERC20 Tokens, Ethereum Forks (e.g. Binance Smart Chain), Ethereum Forks Tokens, Omni Tokens, Ripple & Ripple Assets, Stellar & Stellar Assets, Waves Blockchain, and Waves Forks. Custodial Wallets Integration : like Bitgo and Fireblocks etc. . Additional blockchains may be added.

## Supported Tokens

- Tokens can be added via the admin control panel. Through the implementation of full nodes, users can deposit funds into the exchange using many different types of tokens. Users receive automated email verifications after funds are received (including fiat currency). Customer is responsible for legal due diligence on all tokens and may request Webcom to remove certain tokens at no additional charge.

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## High Performance Matching Engine

Matching engines support different Exchange and Trade orders. Different order types of Buy/Bid and Sell/Ask such as:

- Limit order
- Market order
- Trailing order
- Stop order
- Matching engine processes up to 45 million transactions per second depending on configuration, setup, and hardware.
- Pre-trade risk management ensures users have enough funds available to trade and more.

## Developer Support

- In case of customization is required in any module the developer support is provided and is chargeable extra.

## Order Types

- The software supports Limit orders, Market orders and Stop-Limit orders by default. Other optional order types may be added in the future.

## Globalization

- Web and mobile apps support multiple languages (client-supplied translations may be added).

**The following additional services and features are available through vendors for additional fees as charged by the vendor.**

## Onboarding, AML, KYC

- The customer onboarding system collects KYC information from clients (including name, date of birth, address) to ensure that only genuine users are permitted to sign up and use the service.
- Know Your Customer (KYC) verification service processes identity checks, including name and address verification and ID document verification (depending on the KYC service).
- Anti-Money Laundering (AML) service monitors for attempted money laundering.

## Support Desk

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- Implementation of Ticketing System for customer support.

## Liquidity & Market Making

- The exchange can be connected to an external liquidity provider for added liquidity. Market making algorithms can be added for automated market making.
- Rebates and cash incentives can be adjusted to attract market makers to the exchange.

## Other Optional Features on request

Optional features may include an affiliate system, professional charting with technical analysis tools (can be upgraded), auto-trading, market scanning, trade alerts. Other Modules provided in the Crypto Exchange: Staking Module, Lending/ Funding , Broker Module and Voting Module.

## List of Functionality

## APIs

2. APIs - APIs support the following:
   2.1 Web Application
   2.2 Mobile apps (Android & iOS)

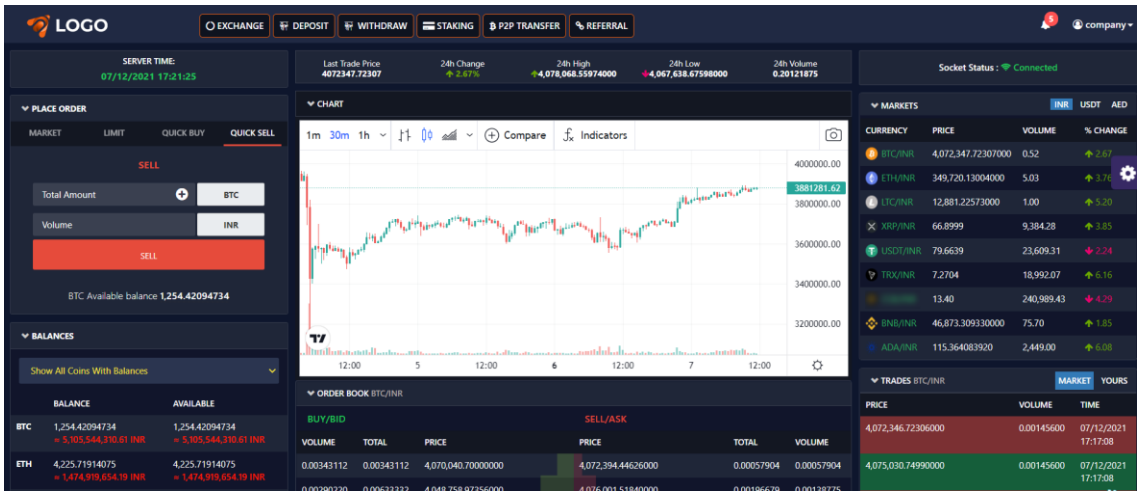
## Web Application

3. The following services are supported on the web application:

3.1 User registration

3.2 User Login using user name & Password and also using Google authenticator

3.2.1 User Dashboard




3.3 User KYC processing using any one of the supported 3-rd party KYC platforms

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3.4 Home page listing the currencies the exchange supports

3.5 Ability to trade the currencies supported by the exchange

3.5.1 Buy and sell orders shall be supported

3.5.2 Limit orders shall be supported

3.5.3 Stop loss orders are not supported for spot exchanges

3.5.4 A market depth chart shall be provided

3.5.5. Ability to display current users portfolio

3.5.6 Ability to show users trade history

| ORDER NO | SIDE | TYPE | ORDER PRICE | EXECUTED PRICE | FEE | TOTAL VALUE | VOLUME | EXECUTED AT | ACTION |
|---|---|---|---|---|---|---|---|---|---|
| 5456974 | Buy | Limit | 4,073,003.72963000 | 4,073,003.72963000 | 14.60318465 | 7,316.19551069 | 0.00179268 | 07/12/2021 17:54:14 | Detail |
| 5456615 | Buy | Limit | 4,072,185.44208000 | 4,072,185.44208000 | 28.10109297 | 14,078.64757676 | 0.00345037 | 07/12/2021 17:54:14 | Detail |
| 5456975 | Buy | Limit | 4,073,003.72963000 | 4,072,940.72900000 | 6.77232293 | 3,392.93378621 | 0.00083138 | 07/12/2021 17:53:07 | Detail |
| 5456941 | Buy | Limit | 4,073,388.46614000 | 4,073,388.46614000 | 19.80611821 | 9,922.86522155 | 0.00243116 | 07/12/2021 17:52:10 | Detail |
| 5456906 | Buy | Limit | 4,076,694.76654000 | 4,076,694.76654000 | 22.36295374 | 11,203.83982551 | 0.00274278 | 07/12/2021 17:51:09 | Detail |
| 5456871 | Buy | Limit | 4,073,390.46618000 | 4,073,390.46618000 | 6.31378830 | 3,163.20793952 | 0.00077620 | 07/12/2021 17:51:09 | Detail |
| 5456869 | Buy | Limit | 4,073,390.46618000 | 4,073,390.46618000 | 39.91596786 | 19,997.89989595 | 0.00489960 | 07/12/2021 17:50:09 | Detail |
| 5456832 | Buy | Limit | 4,084,037.83997000 | 4,073,249.73209000 | 33.24781947 | 16,657.15755607 | 0.00408124 | 07/12/2021 17:49:09 | Detail |
| 5456795 | Buy | Limit | 4,074,148.74108000 | 4,073,249.73209000 | 17.07041937 | 8,552.28010548 | 0.00209543 | 07/12/2021 17:48:10 | Detail |
| 5456758 | Buy | Limit | 4,082,980.65798000 | 4,074,190.48218000 | 30.80731727 | 15,434.46595039 | 0.00378079 | 07/12/2021 17:47:10 | Detail |



3.5.7 Ability to show users open orders

3.6 Ability to perform a quick buy of currencies supported in the exchange

3.7 Ability to view information on users account

3.7.1 Account overview

3.7.2 Ability to perform KYC

3.7.3 Ability to enable and disable 2FA

3.7.4 Ability to perform referrals

3.7.6 Ability to enroll in trading fees discount program

3.7.7 Ability to view the users trading volume discount

3.7.8 Ability to change password

3.8 Ability to view order information

3.8.1 Ability to view open orders

3.8.2 Ability to view open history

3.8.3 Ability to view trade history

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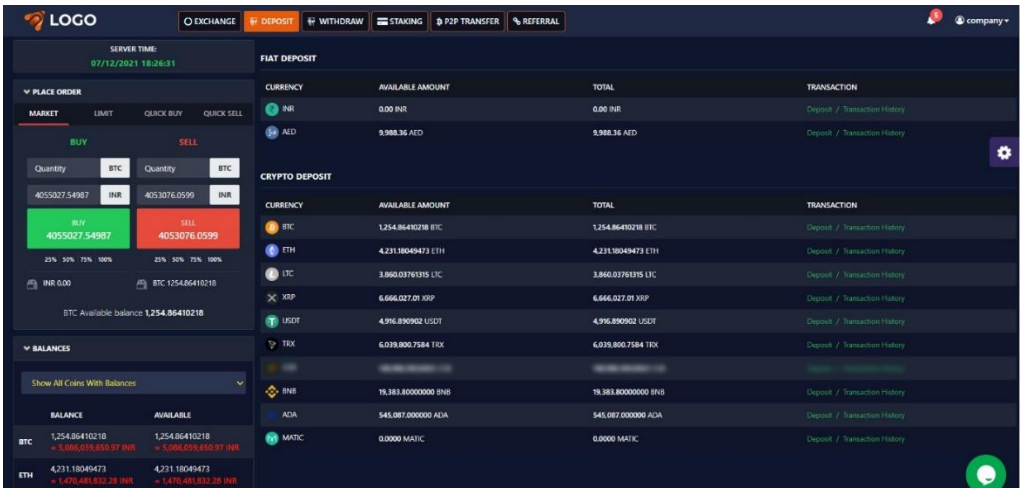
## 3.9 Wallet

### 3.9.1 Overview of wallet showing total portfolio and currency amounts

### 3.9.2 Deposits

#### 3.9.2.1 Ability to make deposits of crypto currencies using QR code

#### 3.9.2.2 Ability to make deposits using fiat currency using bank transfer to a preset bank account



### 3.9.3 Withdrawals

#### 3.9.3.1 Ability to make crypto currency withdrawals to an external crypto wallet

#### 3.9.3.2 Ability to make fiat currency withdrawals to an external beneficiary bank account

### 3.9.4 Address book

#### 3.9.4.1 Ability to add and save addresses to be used for crypto transfers

### 3.9.5 Settings

#### 3.9.5.1 Ability to select dark mode or light mode

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3.9.5.2 Ability to change language from default language English to Turkish, Arabic, Chinese (Traditional), Chinese (Cantonese) and many more.

3.9.5.3 Ability to change the number format

3.9.6.4 Ability to change the fiat estimation

3.10 Ability to Logout

## Admin Panel

4. The following services are supported on the admin panel

4.1 Login as an admin user

4.2 Dashboard displayed showing service status and open requests for withdrawals, fiat deposits, fiat withdrawals, KYC

4.3 Customer and customer activity Management Module

4.3.1 Customer details

4.3.1.1 Income History

4.3.1.2 Users Network

4.3.2 Delete customer

4.3.3 Reset Google 2FA

4.3.4 IP white list

4.3.5 Payment addresses

4.3.6 Fiat transactions

4.3.6.1 Fiat manual deposits

4.3.6.2 Fiat manual withdrawals

4.3.6.3 Fiat payment gateway payments

4.3.7 Crypto withdrawals

4.3.8 Customer fields

4.3.9 Token Management

4.3.9.1 Exchange token enrollment

4.3.9.2 Exchange token disenrollment

4.3.9.3 Exchange token tiers

4.3.10 Affiliates

4.3.10.1 My referrals

4.3.10.2 Referral commission

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4.3.10.3 Assign sponsor

4.4 KYC module for Admin

4.4.1 Add/update KYC

4.4.1.1 Search for Customer ID/email

4.4.1.2 Approve pending KYC

4.4.1.3 Reject pending KYC

4.4.1.4 Approve pending KYC

4.4.2 Manage KYC providers (any supported integration)

4.5 Manage Currencies

4.5.1 Manage Currencies and add new

4.5.2 Generate addresses for address pool

4.5.3 Manage Currency Pairing

4.5.4 Set withdrawal limits

4.5.5 Wallet funds - Add funds / Fund details

4.5.6 Roles and Access Management

4.6 Reports module

4.6.1 ERC20 Explorer

4.6.2 Referral Income

4.6.3 Trade Report

4.6.4 Order Book

4.6.5 Executions Report

4.6.6 Transactions Report

4.6.7 Wallet Balance

4.6.8 Credit Debit History

4.6.9 Withdraw Requests

4.6.10 Internal Transfer Requests

4.6.11 Withdraw History

4.6.12 Withdrawal Commission

4.7 Exchange Management Module

4.8 Staking Settings

4.8.1 Staking Type (BTC, ETH,USDT... etc.)

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4.8.2 Staking name

4.8.3 Staking Type (Days/ Monthly/ Yearly)

4.8.4 Value

4.8.5 Interest

4.8.6 Minimum Stake

4.8.7 Maximum Stake

4.8.8 Status (Active/Inactive)

4.9 Website Settings

4.9.1 Restrict Login : Yes/No

4.9.2 Restrict Exchange : Yes/No

4.9.3 Google Authenticator : Yes/No

4.9.4 Buy price min

4.9.5 Buy Price Max

4.9.6 Sell Price Min

4.9.7 Sell Price Max

4.9.8 Withdraw Processing Time

4.9.9 Customer Payout Per Month

4.9.10 Promotional YouTube URL

4.9.11 Notify Email

4.9.12 Platform TL Price (TL)

4.9.13 Front Registered Users

4.10 Deposit Module

4.10.1 Fiat Deposit Request

4.10.2 Crypto Deposit Request

4.10.3 Deposit History

4.10.4 Crypto Deposit History

4.11 Trading Bot Settings

4.12 User Logs Management Module

4.13 Account Details Management Module (Add/ Edit and Delete Bank Account)

4.14 User Staking Details

4.15 Logout

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