Proposal Cum Project Scope Document for Trading Exchange Development with Margin Trading

Sub: Trading Exchange Development

Dear Sir,

Thanks for considering Reliwell Technologies for **Trading Exchange Development with Margin Trading**. As per your requirement, shared Information and our discussion, we would like to propose a best suited proposal for your requirement of Software Development.

We will be glad if you please review the proposal and if have any question then feel free writing us back through email or phone mentioned below.

Yours Truly,

Reliwell Technologies

About Reliwell Technologies

Reliwell Technologies specializes in ecommerce App development, Web Software, CRM, Mobile Application Development, Application Designing and Application Development services. We are a fast growing digital agency which understands designs and deliver services to our clients up to their satisfaction.

Introduction

An army of creative thinkers, who spend a disproportionate amount of our time on digital and technology. We have a young team from diverse backgrounds. Building brands through their use of the digital and tech economy is what makes us tick.

Service Offering

We offer services in the areas of strategy, design, marketing & development; Reliwell Technologies continues to work with brands that want solutions born from collaboration, research and creativity. With office Delhi / NCR, Reliwell Technologies finds itself working with brands and companies all over the World.

Team

We are a collective of passionate entrepreneurs that believe marketing and technology co-exist only to provide a balanced solution for the challenge at hand. A well-rounded, accomplished digital marketing expert team to lead and execute game-changing online marketing campaigns. Limitless imagination, uncanny perception with a polished image and impressive work ethic delivers uncommon results.

Project Scope: -

1- Informational website:

- Home
- About
- Product
- Plan
- Contact
- Login
- Signup and other informational pages.

2-About Us:

- About
- Careers
- Business Contacts
- Community
- Binance Blog
- Terms
- Privacy
- Announcements
- News

3- Service

- Downloads
- Buy Crypto
- Fees
- Institutional Services
- Referral
- BNB
- Buy BUSD
- OTC Trading
- Listing Application
- Trading Rules
- Historical Market Data

4- Support

- Give Us Feedback
- Support Center
- Submit a request
- API Documentation
- Binance Verify

5- Learn

- Buy BNB
- Buy Bitcoin
- Buy Ethereum
- Buy Ripple
- Buy Litecoin
- Buy Bitcoin Cash
- Buy Dogecoin
- Buy DeFi

6- Trading

- **P2P Trading (Decentralized)**
  or
  Centralized Exchange
- **Margin Trading**

Features of a crypto exchange platform software:

Some of the features are must-haves for crypto exchange platform software and then there are some that make an exchange unique and a crowd puller.

Wallets

A wallet is a place where users store their assets. An exchange that comes with a secure wallet is a big advantage for the users. However, it is a must for an exchange to offer a wallet that supports multiple cryptocurrencies so that the traders need not have a separate wallet to store different assets.

However, it is very important to ensure the wallet or wallet integration is completely secure. Your cryptocurrency exchange software price might vary based on the wallet integration and security aspects.

Intuitive Interface

Not many traders are familiar with cryptocurrency and trading. Whenever a novice trader tries to lay hands on cryptocurrency, an exchange is his first entry point. Thus, for an exchange to be successful, it is very important to offer its users an intuitive interface. It must suffice the needs of both novice and professional traders. However, it must come with a simple interface that hides all the complexities of cryptocurrency trading behind it.

Liquidity and fund control

For any exchange to start its operations, the prime parameter is to arrange liquidity. A trader never engages with an exchange that does not have sufficient liquidity. There are many ways to create liquidity. For example, the decentralized exchanges ask traders to become the Liquidity Providers (LP) by depositing their assets with the exchange. The LPs earn interest on their deposits and the exchange builds liquidity.

For any exchange to operate successfully, the fund control strategy must be in place. This is because every fund control strategy requires different types of security measures.

Trading engine

A trading engine is a must-have feature for any crypto exchange platform software. The trading engine must also come with features like live price charts, volatility index indicators, and analytical tools for professional traders.

If you plan to bring out a decentralized exchange into the market, here instead of a trading engine, smart contract logic needs to be built. These smart contracts enable the trade and ensure complete security of the trades. As smart contracts execute automatically, both the traders and the exchange operators need not keep an eye on the trade.

Crypto Margin Trading

*Cryptocurrency margin trading **allows users to borrow funds to access greater capital, and leverage their positions**. It amplifies trading results, so traders can make a higher profit from their trades, without having to invest more capital.*

When a margin trade is initiated, the trader will be required to commit a percentage of the total order value. This initial investment is known as the margin, and it is closely related to the concept of leverage.

Design Standard: -

Contrary to the general perception designing mobile application is much more than just putting in good looking graphics and flash components. It requires much expertise to able it to run smoothly. We ensure that by:

- Initialization/Startup will be followed by Eye
- Catching Animation, Containing your Brand name.
- Designing the website to make sure that the app
- Screens will appear without Horizontal scroll bar in all resolutions.
- Designing would be in Photoshop.
- The website would be compatible with all mobiles phones and Tablets.

Testing Standards: -

We make sure each of our services undergoes rigorous testing so that it becomes 100% free of bugs. All the standard methods of white and
Black box testing is in place to achieve this feat.
We:

- Prepare the test cases based on design and functionality.
- Ensure a cosmetic bug test before delivery.
- Test the embedded links exhaustively to make sure no errors are there.
- Validate all mobile application

Dedicated Team: -

- Project Manager
- Sr. Software Developer
- Web Designer
- Android Developer
- IOS developer

Node JS is an **open source, cross-platform runtime environment and library** that is used for running web applications outside the client's browser.

It is **used for server-side programming**, and primarily deployed for non-blocking, event-driven servers, such as traditional web sites and back-end API services, but was originally designed with real-time, push-based architectures in mind. Every browser has its own version of a JS engine, and node.

Node JS is a JavaScript runtime environment that can sustain a huge load while providing the same level of smooth performance.

Node JS Libraries

1 – Express

Express is although a JavaScript framework, but it also works as a library in Node JS. In fact, Express is one of the leading Node JS libraries for quickly developing web applications and APIs.

What sets Express apart from other similar Node JS libraries is its minimal structure. It gives a solid outline to Node JS developers for quickly building functional web applications.
It's for this reason, many well-known companies like IBM, Uber, and many others have adopted it in their production.

2 – Async.js

Originally built to use with Node JS, Async is actually a utility module that provides over 20 powerful functions to increase the performance of a Node JS application by eliminating the render-blocking JavaScript.

Render-blocking is basically responsible for not loading any JavaScript content placed in 'above the fold' part of a page until the JavaScript itself has finished loading in a web page.

As a result, it affects the performance of a website.

This is where Async.js comes into the picture. With Async.js, you can load all JavaScript content alongside every other part of a web page faster than render-blocking.

In fact, Asynchronous has reinvented the way JavaScript interact with web applications.

3 – Request – Simplified HTTP Client

Modern-day web applications often require dealing with external HTTP calls for loading or fetching data from different external sources.

Therefore, it's critical to have a reliable way to perform HTTP calls.
Request, a simplified HTTP client, is the most reliable HTTP client libraries that are out there.

With Request library, you can make a large number of HTTP calls easily, reliably, and securely to access content and data from external sources on the web.

4 – Socket.IO

Imagine a scenario where you had access to tools that can help you build a real-time Analytics application just as powerful as Google Analytics is today.
Socket.io allows you to build truly powerful and real-time applications where you can stream data or content directly externally through APIs.
One popular example where Socket.io has been used in a Twitter bot for collecting the latest news. Besides this Twitter bot, there are over thousands of companies including Trello and Banksalad using Socket.io to integrate real-time functionality in their applications.

5 – Underscore

Underscore is a popular Node JS library that offers a multitude of useful functional programming helpers.
In simple words, Underscore makes the web application development process a much more enjoyable affair through its rapid development workflow and also the programming helpers.

There are over 100 functional programming helpers embedded in the Underscore that fills the gap from opening an HTML document to writing code without having to worry about how complex functions operate.

6 – PM2

Node JS framework is often recommended when it comes to building large-scale applications.

But Node JS alone cannot do everything to build a successful large-scale application. Along with the Node JS, you also have to have proper process management.

PM2 offers both, proper process management and a load balancer to help with performance tweaks.

Simply put, PM2 gives you the tools to reload apps without any downtime, making your application stay online indefinitely.

7 – UglifyJS2

Performance is an important factor when it comes to building successful web applications. The more performance you can squeeze out, the faster your application is going to be.

Tech giants like Google have often talked about how, even a millisecond of performance increase, can gain you more business.

This is where UglifyJS2 comes into the picture.

UglifyJS2 basically helps Node JS developers to minify and trim your JavaScript files automatically, which can ultimately have a huge impact on your overall application's performance.

Backend/Database: MERGE – PostgreSQL
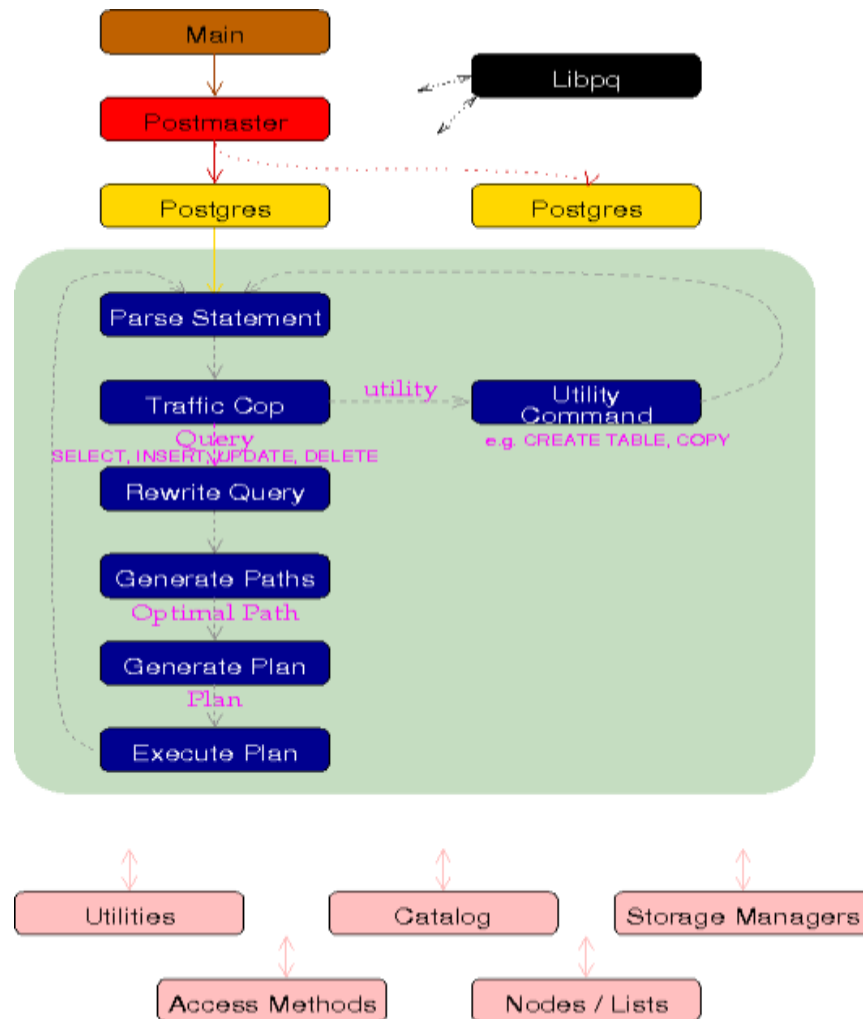
PostgreSQL uses a message-based protocol for communication between frontends and backends (clients and servers). The protocol is supported over TCP/IP and also over Unix-domain sockets.

Web3 applications either run on blockchains, decentralized networks of many peer to peer nodes (servers), or a combination of the two that forms a cryptoeconomic protocol and also enhances. web3 is:

- ✓ *Verifiable*
- ✓ *Trustless*
- ✓ *Self-governing*
- ✓ *Permissionless*
- ✓ *Distributed and robust*
- ✓ *Stateful*
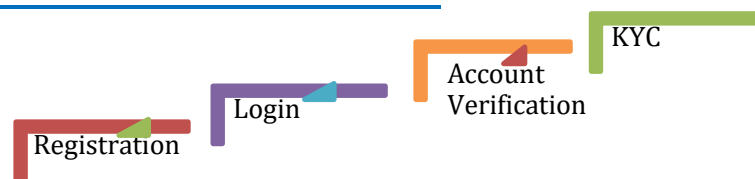- ✓ *Native built-in payments*

Phases of Development:
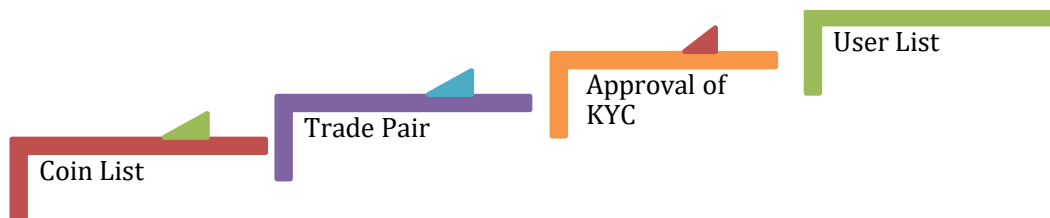
Step-1

Web Designing

Development

Design

Planning

Step-2

Development of User Profile

KYC

Account Verification

Login

Registration

Support

Coin Listing Request

Step-3

Development of Admin Panel

User List

Approval of KYC

Trade Pair

Coin List

Step-4

Development of User Panel

Balance

Deposit

Withdraw

Trading

Buy Order

Sales Order

Market Order

Stop Order

API Documentation

Public API

Private API

Generate Key API
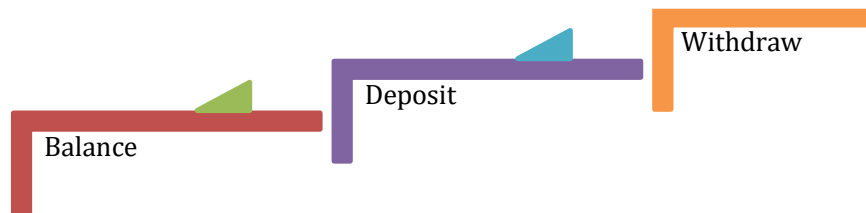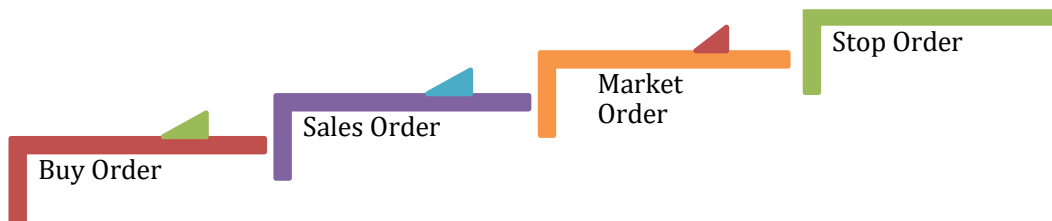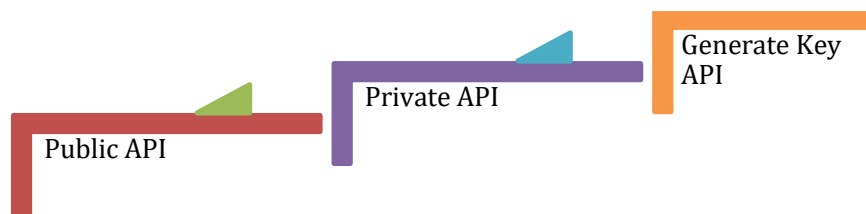
- Others- like Pricing, privacy, term & conditions

Integration:

- *Binance API Integration*
- *Top 10 currency listed*
- *ETH, TRON, Binance, Blockchain Integration*

Technology using:

Framework: *MVC, Web Services (JQuery Ajax)*

Designing: *HTML5, JavaScript, CSS3, Bootstrap3+etc.*

Server Side Scripting: *PHP, PostgreSQL, Node.js, web API*

Security Tools:

- **Sign-up Process** *KYC Updation & Account verification (OTP- Mobile No. & Email)*
- **Login Security:** *Email & Mobile OTP based Login Process*
- **Transaction based Security:** *OTP Based Transactions Verification*
- **Server based Security:**
  - ✓ **Registry Lock-** by locking the domain at the registry level.
  - ✓ **Domain Name System Security Extensions (DNSSEC)-** DNSSEC is a set of protocols that authenticate all domain name system (DNS) queries. DNSSEC exploits the combination of public keys and digital signatures to validate the authenticity of data. It can reject illegitimate DNS entries and responses, preventing users from accessing fraudulent websites and being affected by malicious activities like pharming and cache poisoning.
  - ✓ **Web Protocol Security**
    - **HTTP Strict Transport Security (HSTS):** helps ensure all browsing sessions have HTTPS protocols.
    - **X-Frame-Options:** prevents your content to be embedded into other websites, safeguarding against clickjacking attacks.
    - **Content Security Policy (CSP):** helps allay the risk of XSS attacks by enabling the header to determine which dynamic resources are permitted to load.
    - **X-XXX-Protection:** prevents against cross-site scripting attacks.
  - ✓ **Cold wallet-** A cold wallet is an offline, safe storage for crypto assets. Integration of a cold wallet into an exchange provides an additional layer of security. Even if an exchange is hacked, the assets stored in a cold wallet are invulnerable to theft.

Costing & Commercials:

P2P Exchange Web Application Development with Margin Trading

Cost: $12500

Time Frame: 40 days (10 days' grace period)

Payment Terms & Phases:

1st Milestone Project Confirmation – $5000

2nd Milestone After design & database structure- $5000

3rd Milestone Final Delivery before go live – $2500

Note: *Cost not include Tax and Third party tool cost for ex: Server, domain, SMS gateway, paid library cost is not included in development cost.*

Thank you