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## **Integrated Platform Overview**

This report outlines the comprehensive capabilities of Tradrex platform, which includes both web and mobile applications. The platform integrates key modules such as ICO Management for token sales, an MLM Binary System for affiliate marketing, P2P Trading for secure transactions, WalletConnect for decentralized app connectivity, and supports multiple cryptocurrencies including BTC, LTC, DOGE, and DASH. Additionally, it features Staking and Forex Integration modules, enhancing the platform's versatility and user engagement while ensuring robust security and operational efficiency.

## **Ecosystem**

The Ecosystem module has been successfully implemented within the system. This module is central to the system's architecture, ensuring seamless support for BTC, LTC, DOGE, and DASH blockchains. It enables efficient interoperability between these blockchains, ensuring reliable and secure transactions across the platform.

Key features include:

- **Multi-Blockchain Support:** Seamless integration and support for BTC, LTC, DOGE, and DASH blockchains.
- **Interoperability:** Facilitates smooth communication and data exchange between different blockchain networks.
- **Scalability:** Designed to support additional blockchain integrations in the future.
- **Enhanced Security:** Implements robust security protocols to protect transactions and data integrity.
- **The successful deployment of the Ecosystem module enhances the system's capability to manage multiple cryptocurrencies effectively, providing users with a secure and scalable environment for their digital asset transactions.**

## **Forex**

The Forex module has been successfully integrated into the platform. This module enables users to engage in Forex trading, expanding the platform's investment offerings. The implementation ensures that users can trade currencies securely and efficiently, whether through live or demo accounts.

Key components include:

- **Forex Broker Integration:** Seamless integration with a reliable Forex broker, supporting both live and demo accounts.
- **User Account Management:** Efficient management and manual addition of live and demo Forex accounts to the platform's backend.

- Secure Transactions: Robust security measures to protect user investments and ensure the integrity of Forex trading activities.
- The integration of the Forex module enhances the platform's versatility, providing users with access to both cryptocurrency and Forex trading in a unified, secure environment.

## **Staking**

The Staking module has been effectively implemented within the cryptocurrency platform, providing a comprehensive system for managing staking operations. This module allows users to stake various cryptocurrencies securely, while administrators have robust tools for managing and optimizing staking pools.

Key functionalities include:

- Staking Pool Management: Administrators can create and manage staking pools, specifying parameters such as wallet type, currency, blockchain chain, and staking limits.
- Duration Settings: Administrators can define staking durations and associated interest rates, offering flexibility in investment options for users.
- Stake Monitoring: A detailed log system allows for real-time monitoring of staking activities, including user details, staked amounts, and durations.
- Profit Management: The module includes a workflow where administrators stake user amounts with external providers and manage the returns to ensure profitability.

## **WalletConnect**

The WalletConnect module has been successfully integrated into the cryptocurrency platform, enabling secure and seamless connectivity for users' wallets across various decentralized applications (dApps).

Key steps in the implementation process included:

- **WalletConnect Cloud Integration:** The platform now supports WalletConnect functionality by integrating with WalletConnect Cloud, enabling users to connect their wallets securely.
- **Project ID Creation:** A unique Project ID was generated by signing up and creating a project on WalletConnect Cloud. This ID is crucial for identifying and enabling the WalletConnect functionality within the platform.
- **Environment Setup:** The project environment was configured according to the platform's development stage, ensuring that the WalletConnect integration aligns with the appropriate environment (Development, Staging, or Production).
- This module enhances the platform's user experience by allowing for secure wallet connections, facilitating smooth transactions and interactions with dApps across the ecosystem.

## **ICO (Initial Coin Offering)**

The ICO (Initial Coin Offering) module has been successfully implemented within the cryptocurrency platform. This module allows the platform to launch and manage ICO projects, facilitating the creation, sale, and distribution of tokens.

Key functionalities include:

- **ICO Project Management:** Administrators can create and manage ICO projects, including essential details such as project name, description, website, whitepaper, and status.
- **Token Management:** Tokens associated with each ICO project can be created and managed. This includes defining the blockchain, purchase wallet type, currency, smart contract address, and total supply.
- **Phase Management:** The module allows for the creation of different phases within the token sale, each with specific timeframes, prices, and purchase limits.
- **Allocation Management:** Administrators can allocate portions of the total token supply for sale within each phase, ensuring controlled distribution.
- **Contribution Oversight:** The module provides tools for monitoring and verifying user contributions during the ICO, with manual payment verification to ensure secure transactions.

## **MLM (Multi-Level Marketing)**

The MLM (Multi-Level Marketing) Binary System module has been successfully integrated into the cryptocurrency platform, enabling affiliates to earn commissions based on a structured binary tree model.

Key functionalities include:

- **Binary Tree Structure:** The binary system allows each affiliate to have two legs (left and right), earning commissions based on the sales volume generated by their downline in these legs.
- **Balanced Volume Requirement:** Affiliates are incentivized to maintain equal sales volume in both legs, as commissions are calculated based on the weaker leg's volume, promoting a balanced structure.
- **Configuration and Setup:** Administrators can configure the MLM system by setting it to Binary, defining the number of levels, and setting commission percentages for each level. This allows for flexibility in structuring affiliate rewards.
- **Profit Calculation and Distribution:** The system automatically calculates and distributes commissions to affiliates based on the configured percentages. An example provided illustrates how commissions are distributed across different levels, ensuring transparency and fairness in the reward system.

## **Peer-to-Peer (P2P)**

The Peer-to-Peer (P2P) management module has been successfully implemented within the cryptocurrency platform, enabling efficient handling of user-driven trades. This module introduces comprehensive tools for overseeing P2P activities, ensuring secure transactions and a streamlined user experience.

Key functionalities include:

- Payment Methods Management: Admins can add, edit, or remove payment methods available for P2P trades, allowing for flexibility in how users conduct transactions.
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- Offer Management: Admins can view, manage, and modify trade offers created by users. This section provides detailed information about each offer, including the amount, currency, and current status.
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- Trade Monitoring: The Trades section offers a complete overview of ongoing and completed trades, enabling admins to monitor progress and intervene when necessary.
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- Dispute Resolution: A robust dispute management system allows admins to resolve conflicts between users. Admins can verify payment proofs, cancel trades, or release funds based on the dispute's outcome, ensuring fairness and trust in the platform.
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- Escrow Management: This feature ensures that funds are securely held in escrow until the completion of the trade. Admins can manage these escrows to protect both buyers and sellers.
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- Commission Tracking: Admins can view and manage commissions earned from P2P trades. This section details the trade amount, commission percentage, and total earnings, facilitating transparent revenue management.
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- User Review Management: The Reviews section allows admins to monitor user feedback, ensuring that the platform maintains a high standard of service and addressing any issues that arise.

#### **Workflow of a Typical P2P Trade:**

- Offer Creation: The seller creates an offer specifying the amount and currency.
- Offer Deposit: The seller deposits the amount, making the offer tradable.
- Buyer Trade: The buyer selects the offer and agrees to trade.
- Payment and Proof: The buyer follows the payment method guide and provides proof of payment.
- Completion: The seller confirms receipt of the payment and completes the trade.
- Review: The buyer has the option to leave a review for the seller.

- Commission: The platform earns a commission from the trade.

#### **Dispute Scenarios:**

Fake Proof of Payment: Admin cancels the trade if proof is found to be fake and may issue a warning or ban the buyer.

Genuine Payment Denied: Admin verifies the payment proof and completes the trade if valid, potentially warning or banning the seller.

## **Mobile Application Report**

### **Overview:**

The mobile application serves as a comprehensive platform with multiple modules that facilitate various functionalities, including ICO management, MLM binary system, P2P trading, and WalletConnect integration.

#### **Modules:**

##### **ICO Management:**

Projects: Create and manage ICO projects with detailed information, including name, description, and whitepaper links.

Tokens: Define and manage tokens, their supply, and associated blockchain details.

Phases: Manage token sale phases, setting prices and purchase limits.

Allocations: Allocate tokens for sale across different phases.

Contributions: Track user investments and manage token distribution.

##### **MLM Binary System:**

Structure: Affiliates earn commissions from two legs (left and right) based on downline sales.

Commission Configuration: Set commission percentages for multiple levels and ensure balanced downline development.

Profit Distribution: Calculate and distribute profits based on the weaker leg's volume.

##### **P2P Trading:**

Payment Methods: Manage available payment options for trades.

Offers: Oversee P2P trade offers, including editing and deletion.

Trades: Monitor ongoing and completed trades with detailed information.

Disputes: Resolve trade disputes, verify payment proofs, and manage user actions.

Escrows: Securely hold funds in escrow until trade completion.

Commissions: Track and manage platform commissions from trades.

Reviews: Manage user reviews post-trade for platform quality control.

**WalletConnect Integration:**

Project ID Creation: Facilitate WalletConnect functionality by generating and managing unique Project IDs.

Environment Setup: Define development, staging, or production environments for projects.