

## Progress Summary & Plan for 28 November 2024

### Introduction

This document outlines the progress made on the KVP Blockchain project, including updates from 26th November 2024, and plans for 28th November 2024.

### Progress History (Last 24 Hours)

#### 1. Resolved GitHub LFS Issues:

- Successfully resolved the limitation on large file uploads to GitHub using Git LFS.
- Updated repository with necessary adjustments for large files (`.gitattributes`, `.gitignore`).
- Cleaned up unnecessary files such as `allfiles.txt` and `files.txt`.
- Repository URL: **[GitHub KVP Blockchain]**(<https://github.com/hendri2808/kvp-blockchain>).

#### 2. Tested and Pushed Changes:

- Ensured all changes, including large file management, were correctly integrated and tested on GitHub.
- Verified synchronization between local changes and the repository.

#### 3. Technical Debugging:

- Resolved issues with Git remote setup (`origin`) and rebasing.
- Handled branch conflicts and ensured compatibility between local and remote branches.

#### 4. Tool Setup:

- Verified Python 3.7.4 environment for project-related automation and tooling.
- Installed additional dependencies (`git-filter-repo`, `pip`) to optimize Git handling.

### Plan for Today (28 November 2024)

#### Primary Tasks:

##### 1. Database Revision and Update

- Migration from Arc<Mutex<Vec<User>>> version on Rust to PostgreSQL.
- Include all database like (blockchain, user-management, utility, and other build features component for kvp\_blockchain database)
- Finalize `kvp_blockchain database`

##### 2. Backend Adjustment for Database

- Adjustment for main and routes
- Make sure all codes in robust condition
- Finalize all database ready to use for frontend

##### 3. Admin Dashboard Enhancements:

- Integrate features such as:
  - **KYC Approval System** with notification alerts for manual interventions.
  - **Blockchain Statistics Panel** to display user, miner, node, and block details.
  - **Reward Pool Management** for adaptive rewards distribution.

##### 4. Blockchain Features:

- Develop the **real-time statistics** module for blockchain activity.
- Integrate **reward indicators** for user wallets tied to KYC approval status.

### 5. Community Setup:

- Plan the implementation of **community channels** (Telegram) within the app.
- Document **initial tokenomics** structure and DAO governance for transparency.

### Secondary Tasks:

- Begin **wallet feature exploration**, including storage and transaction mechanisms.
- Prepare API documentation for developers targeting Web3, NFT, and DeFi integrations.

**Consolidated Progress Table (26 November 2024)**

No	Feature/Agenda	Description	Status
1	GitHub Repository Setup	Resolved large file upload issues, cleaned repository, and pushed updated code.	✅ Completed
2	Python & Tool Setup	Verified Python 3.7.4 environment, installed dependencies (`git-filter-repo`, `pip`).	✅ Completed
3	Backend & Database Adjustment Progress	Prepare PostgreSQL for database -. Admin -. User -. KYC Submit, Approval -. Blockchain Stat -. Blockchain ID -. Pool Reward -. Transaction -. Auto Function for DB -. Integration with Rust File on Backend	[■■■■■■■□□□□] 60% Loading...
3	KYC Explorer (Dynamic Form)	Implementing dynamic forms and automatic KYC validation.	🚀 In Progress
4	Admin Dashboard	Adding features: KYC approval, statistics panel, and reward pool management.	🚀 In Progress
5	Blockchain Statistics (Real-Time)	Developing modules for real-time blockchain activity updates.	🚀 In Progress
6	Wallet Feature Exploration	Researching wallet mechanisms for secure storage and transactions.	⌚ Waiting
7	Tokenomics & Community Development	Structuring tokenomics and planning integration of community platforms like Telegram.	🔄 Planning

**Consolidated Progress Table (General)**

No	Fitur/Agenda	Deskripsi	Status
1	Desain Protokol Baru: KVP Protocol	Proof of Contribution, mobile-friendly mining, DAO governance, integrasi Web3, DeFi, NFT, dan game.	✓ Completed
2	Dasar Blockchain dan Blockchain Explorer	Implementasi awal explorer dengan fitur dasar seperti pencarian dan statistik blockchain.	✓ Completed
3	User Authentication	Menambahkan fitur login dan register untuk mengamankan akses explorer dan dashboard.	✓ Completed
4	KYC Automation	Validasi otomatis dokumen KYC menggunakan OCR, dengan notifikasi untuk kasus manual. [■■■■□□□□□□].....Loading..... -. <b>Backend Work – We are Here</b> -. Frontend Work – <i>Waiting...</i>	🚀 Progress
5	Dashboard Admin	Fungsi: Approval KYC, pengaturan pool reward, reset password, delete user, statistik blockchain.	⌚ Waiting
6	Dashboard User	Fungsi: KYC Explorer, mining interface, wallet user, pengaturan user.	⌚ Waiting
7	CI/CD Pipeline	Automasi deployment backend dan frontend menggunakan GitHub Actions atau serupa.	⌚ Waiting
8	Monitoring dan Logging	Menggunakan Grafana atau Elastic Stack untuk memonitor performa API dan server.	⌚ Waiting
9	Advanced Filtering	Menambahkan filter kombinasi pada blockchain explorer.	⌚ Waiting
10	Statistik Blockchain Real-time	Menampilkan statistik pengguna, miner, node, dan blok secara real-time.	⌚ Waiting
11	KYC Explorer (Dynamic Form)	Form dinamis untuk input data pribadi dan dokumen KYC sesuai aturan negara.	⌚ Waiting
12	Wallet User	Fitur penyimpanan, transaksi, dan indikator reward pada wallet user.	⌚ Waiting
13	Integrasi DeFi, Web3, dan Game	Fitur staking, lending, liquidity pool, NFT in-game, dan interoperabilitas antar-game.	⌚ Waiting