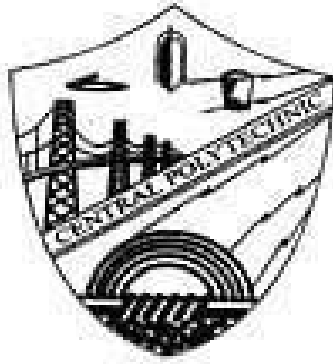


**CENTRAL POLYTECHNIC COLLEGE
THIRUVANANTHAPURAM**



PROJECT ABSTRACT

On

(P2P)

PEER 2 PEER MONEY LENDAL

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ABSTRACT

The platform provides a comprehensive solution for users to engage in secure lending and borrowing activities. Users start by registering and authenticating their accounts, allowing them access to personalized dashboards where they can manage their financial activities. Completing profiles with identification proofs and adding money to wallets are crucial steps that build trust and ensure security within the community. The intuitive dashboard interface makes it easy for users to keep track of their balances, transaction histories, and pending requests.

Borrowers on the platform can request funds by specifying the amount needed, which potential lenders can review. Lenders have the option to approve or reject these requests based on the borrower's profile and loan details. Once a loan request is approved, the platform facilitates the transfer of funds from the lender's wallet to the borrower's wallet. Each transaction is meticulously logged, providing a transparent record for both parties involved. This detailed logging ensures that all financial activities are traceable and accountable.

Administrative features play a vital role in maintaining the platform's integrity and security. Administrators monitor user activities, verify identification proofs, handle disputes, and manage user accounts to ensure compliance with platform policies. They also intervene in cases of suspicious activity to protect users from potential fraud. By offering robust administrative oversight, the platform ensures that lending practices remain transparent and secure, fostering a trustworthy environment for all users..

OBJECTIVE OF THE PROJECT

User Registration and Authentication

Users begin by registering on the platform, creating an account that includes essential information such as username, email, and password. Once registered, users can authenticate themselves through a secure login process, ensuring that their personal and financial information is protected. Admin have to be verify and approve the users for more security. The platform leverages robust encryption protocols to safeguard user data, aligning with best practices in cybersecurity.

User Dashboards

After logging in, users can access their personalized dashboards. These dashboards serve as the central hub for all user activities, providing an intuitive interface to manage their lending and borrowing transactions. Users can view their account balances, transaction histories, and pending requests, making it easy to keep track of their financial activities.

Profile Completion and Identification Proofs

To ensure a secure lending environment, users are encouraged to complete their profiles by submitting identification proofs. This process involves uploading documents such as government-issued IDs, which are then verified by the platform administrators. Completing this step is crucial for building trust within the community, as it ensures that all participants are authenticated and credible.

Wallet Management

The platform includes a wallet feature that allows users to add money to their accounts. This functionality supports various payment methods, making it convenient for users to top up their wallets. The wallet balance can then be used for lending or borrowing activities, streamlining the financial transactions on the platform.

Borrowing and Lending Processes

Borrowers can request funds from lenders through a straightforward process on their dashboards. They specify the amount needed and submit a request, which is then reviewed by potential lenders. Only 20,000 can be borrowed at a time. Lenders have the ability to review these requests in detail, considering factors such as the borrower's profile, the requested amount, and the purpose of the loan. Based on this information, lenders can approve or reject requests.

Transaction Management

Once a loan request is approved, the platform facilitates the transaction, transferring the agreed amount from the lender's wallet to the borrower's wallet. All transactions are meticulously logged, providing a transparent record for both parties. This logging includes details such as the lender's and borrower's identities, the transaction amount, and the date and time of the transfer. Users can access their transaction histories at any time, ensuring complete transparency and accountability.

Administrative Features

Administrators play a crucial role in maintaining the integrity of the platform. They have access to advanced monitoring tools that allow them to oversee user activities and manage user accounts. This includes verifying identification proofs, handling disputes, and ensuring compliance with platform policies. Administrators can also intervene in cases of suspicious activity, protecting users from potential fraud.

Transparency and Security

The platform is designed with transparency and security at its core. All user activities and transactions are recorded in a secure database, with detailed logs available for audit purposes. Security measures such as two-factor authentication and encryption are implemented to protect user data and financial transactions.

Conclusion

By providing a robust and user-friendly environment for lending and borrowing, our platform fosters a community of trust and financial empowerment. With comprehensive features ranging from secure authentication to detailed transaction logging and administrative oversight, we ensure that users can engage in lending and borrowing with confidence and ease. The platform not only facilitates financial transactions but also promotes a secure and transparent financial ecosystem.

Tables

- 1 auth_user
- 2 userprofile
- 3 transactions
- 4 request
- 5 admin
- 6 History

ER Diagram

