

# Rust-eze



## Secure Account Management

The application allows users to create and manage accounts and sub-accounts with robust validation mechanisms for account names and currencies, ensuring data integrity. It uses bcrypt for password hashing and TOTP-based two-factor authentication for enhanced security.



## Comprehensive Transaction Handling

Users can perform money transfers between accounts and sub-accounts, with real-time currency conversion using external APIs. The system ensures sufficient balance checks and records all transactions for transparency.



## Admin Capabilities

The system includes an admin interface that allows administrators to view and approve pending transactions, manage accounts, and oversee scheduled transactions. This feature provides a higher level of control and oversight.



## Scheduled and Recurring Payments

Users can set up scheduled and recurring transactions, which are automatically processed by the system. This feature is ideal for managing regular payments and ensuring timely transactions.



## Real-Time Notifications

Integration with the Telegram Bot API allows the system to send real-time notifications to users about important events, such as transaction approvals or errors, enhancing user engagement and awareness.