dles Blockchain

Case Study | Busy Wallet

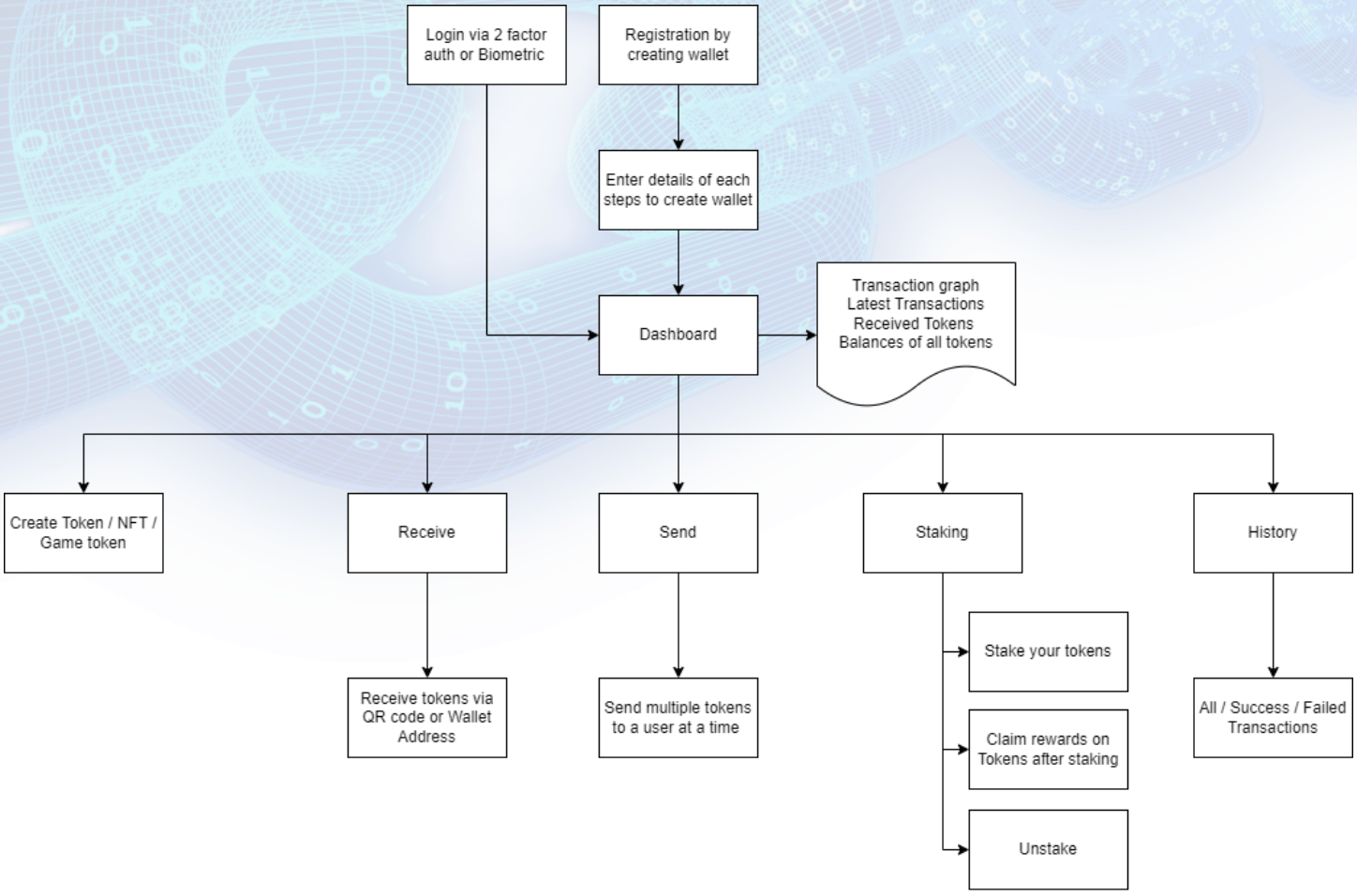
Token and Wallet Creation with transaction capabilities

About the application

This application is about providing a platform to the users for creating new tokens and making transactions of those tokens via a wallet that can also be created from the application. This is a platform where the users will stake BUSY tokens, and earn rewards. If a user wants to claim reward, the reward will be claimed in BUSY tokens. Users can unstake and can stake into multiple tokens to earn more rewards. Our platform is capable of transferring tokens from one wallet to another. And the user platform should be able to see once fetched data (transactions, last updated balance), login user in offline mode. User can login using biometrics

We have both desktop and mobile applications. The desktop application supersedes with mobile by having an additional functionality of giving the ability to create a token. Rest all of the functionality is the same in both mobile and desktop.

Below is the high level flowchart of our application:



Let’s discuss about top functionalities offered

Biometric Login

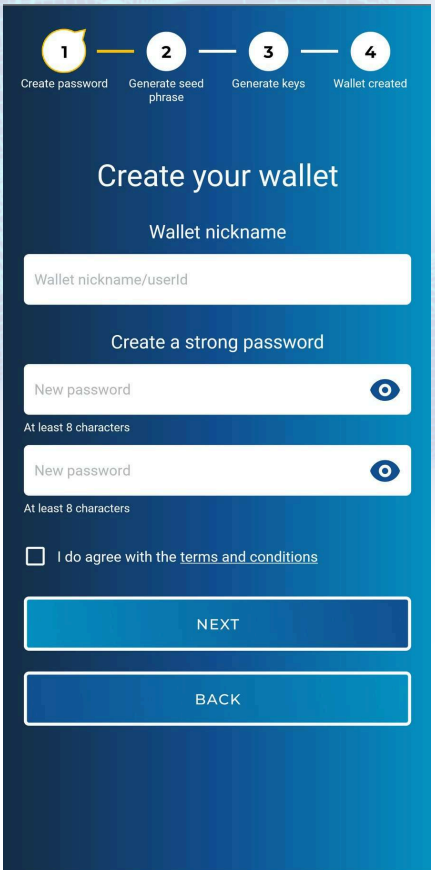
Our application enables users to use the biometric feature of their device to log into our application. This can also be turned off.
We also have a feature that can be enabled to validate the user while logging in via two factor authentication via google authenticator, which makes our application more secure.

Wallet Creation (Signup process)

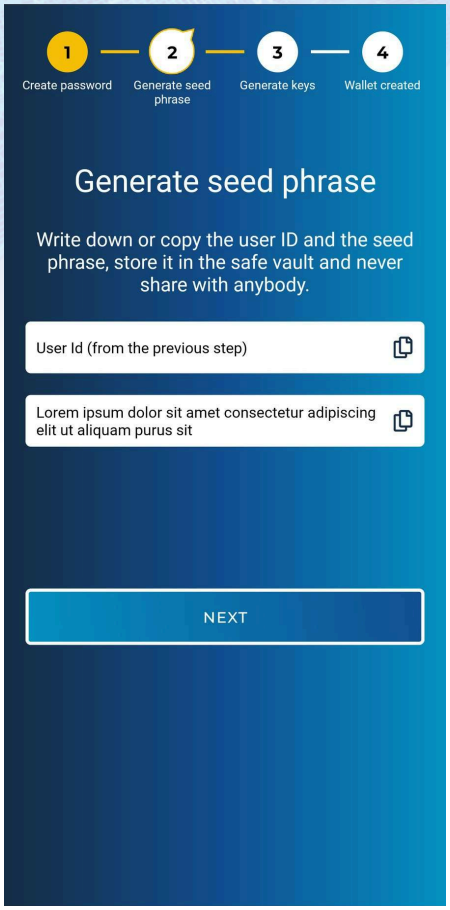
With each user coming to our platform, it is imperative for them to create a new wallet at the time of sign up with four simple steps.

These steps include:

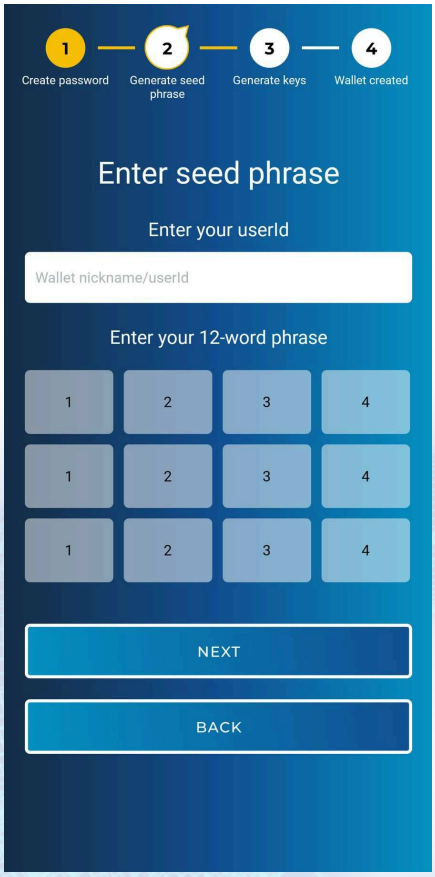
1. Create Password wherein you enter a wallet nickname, create password, and agree to the terms and conditions.



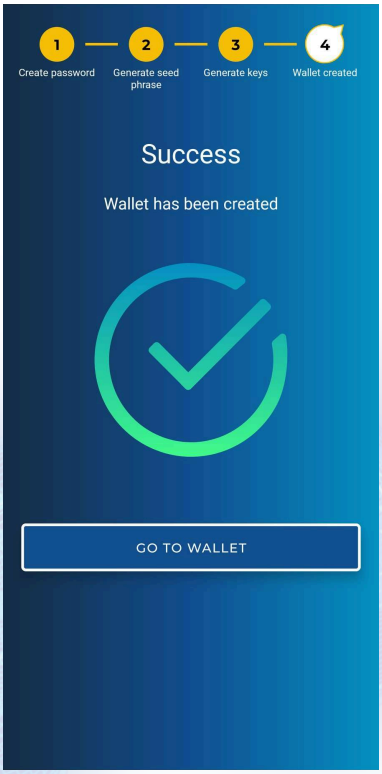
2. Generate Seed Phrase which will show the user's ID created from the previous step and a phrase which will be used to log into the application when recovering the accont



3. User will now enter the seeding phrase in the same step.



4. The last step will show a success message and the wallet will be created.



Home page

Will Show various information about the token, the balance history about the token one has over week, month, and year. Shows how many and how much each busy tokens one has. It also shows transactions that have been made for these tokens and lastly it shows the trend of the transactions made in the token.

Home Page

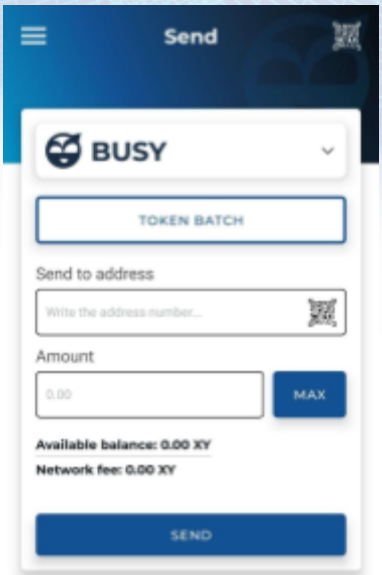
Receive Busy Tokens

Users may receive any busy token from other users of this application via scanning functionality of QR code or by sending wallet address.

Receive Tokens

Send Busy Tokens

Users may send any busy token to other users of this application via scanning functionality of QR code or by entering wallet address.




Send Tokens

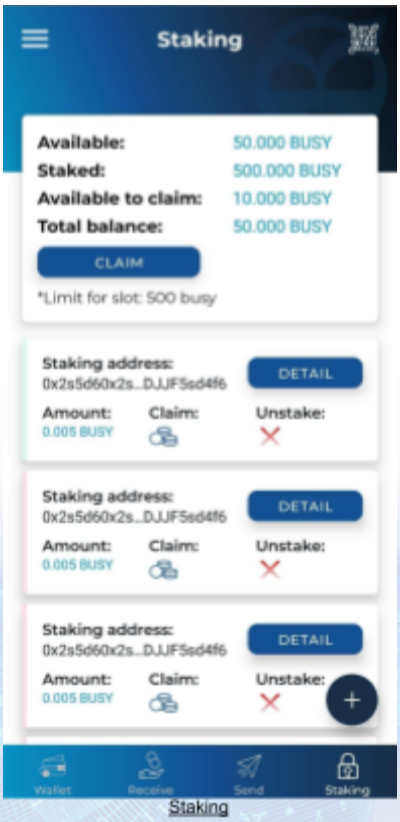
Staking

Users may lock their tokens in this blockchain for staking.

But in this blockchain, the user will be able to unstake their token or can also claim their rewards at any given time.

Transaction History

Users will be able to see the history of all transactions that have been made, the success and failed transactions.



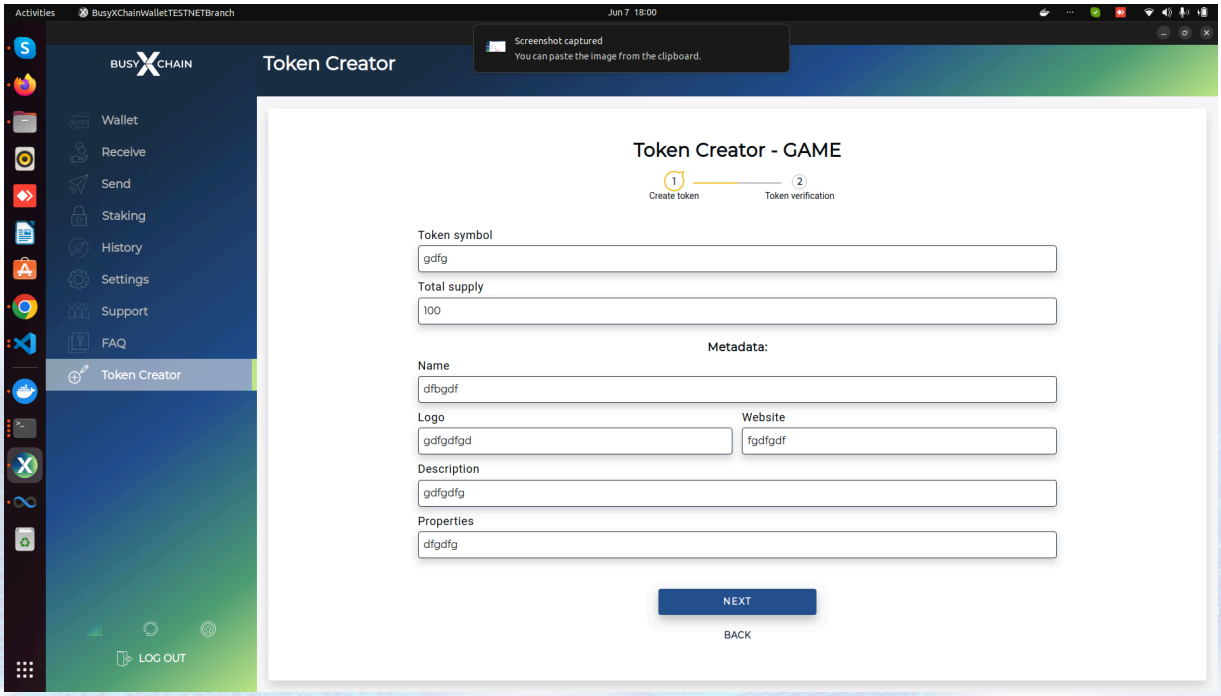
Staking

Token Creation

There are two types of tokens that can be created, which are NFT/Game token and X20 token. Note that this feature is only available on desktop applications.

NFT/Game token creation

User will be able to create a token by entering some basic details like token symbol, supply, and Metadata.



X20 token creation

User will be able to create a token by entering some basic details like token symbol, supply, and Metadata.

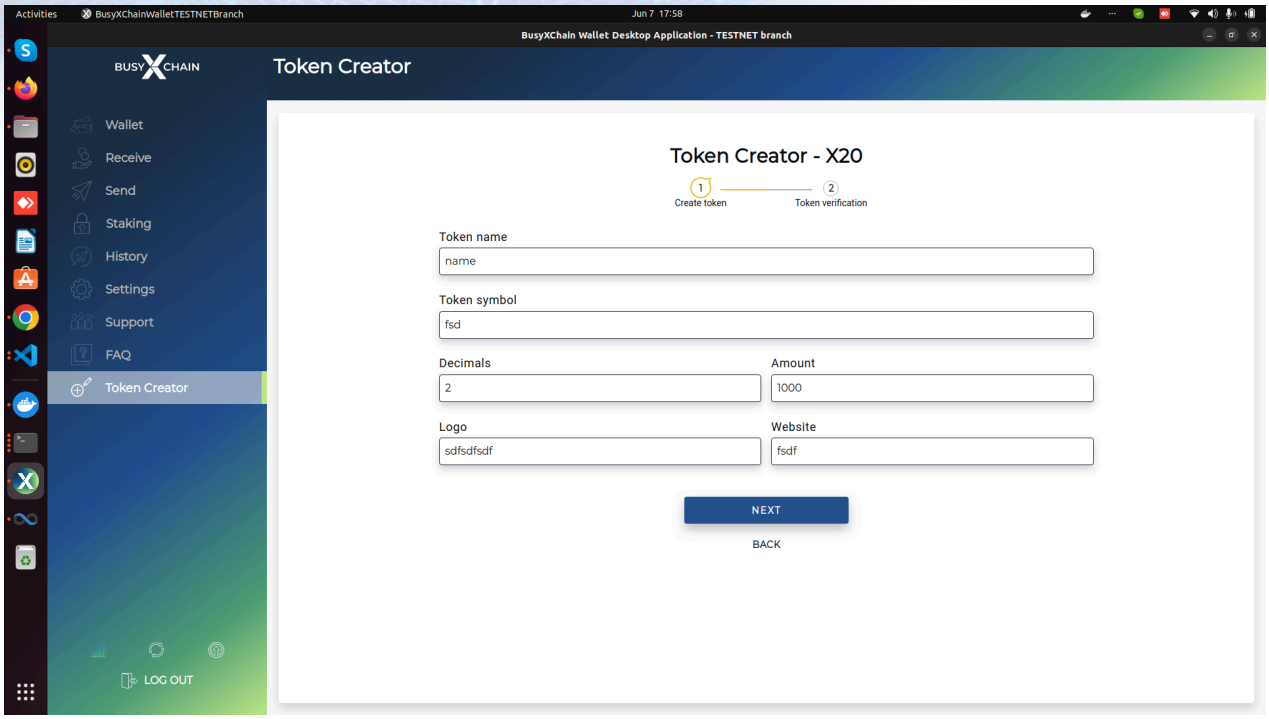
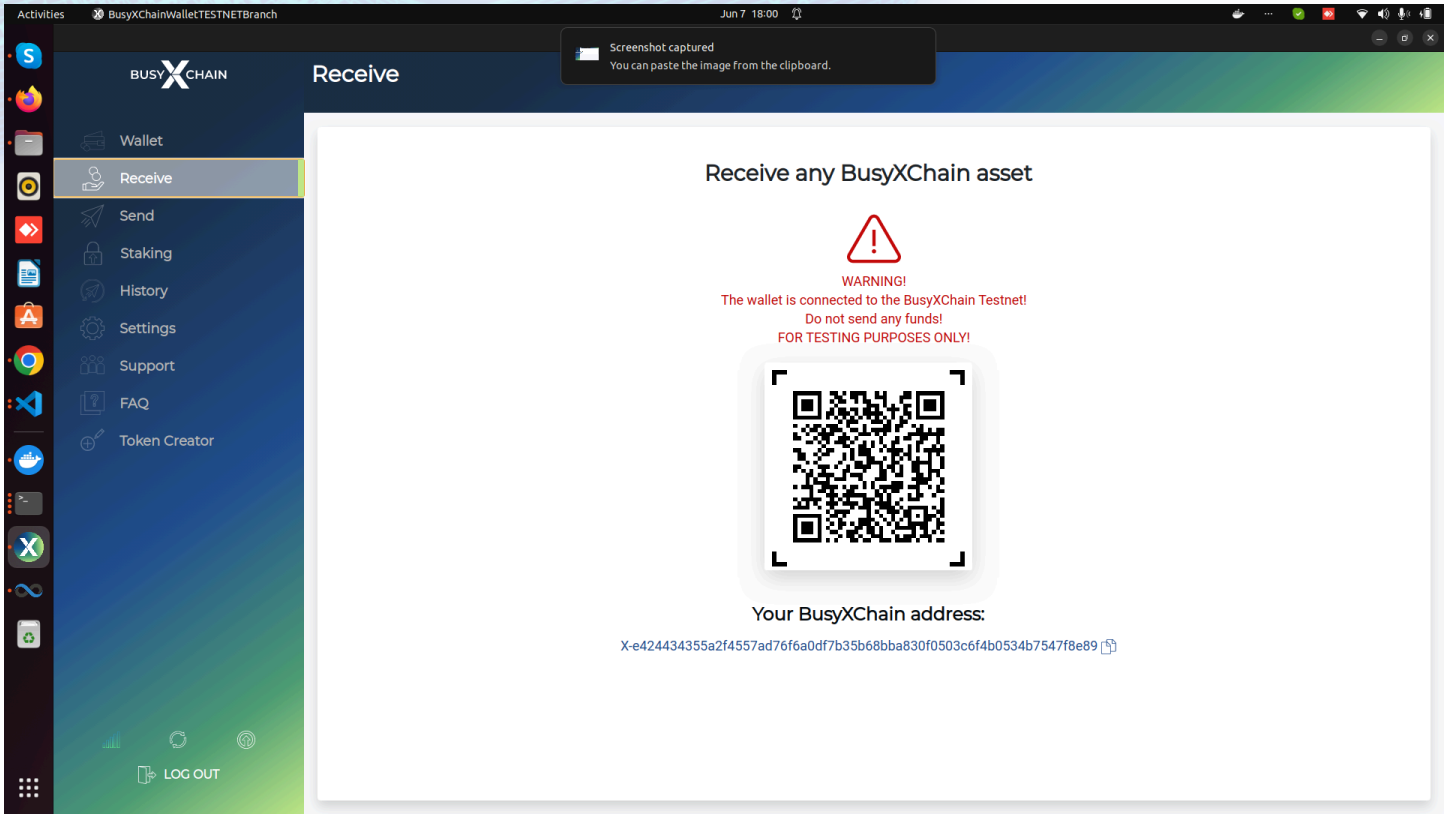


Image gallery of features in desktop application

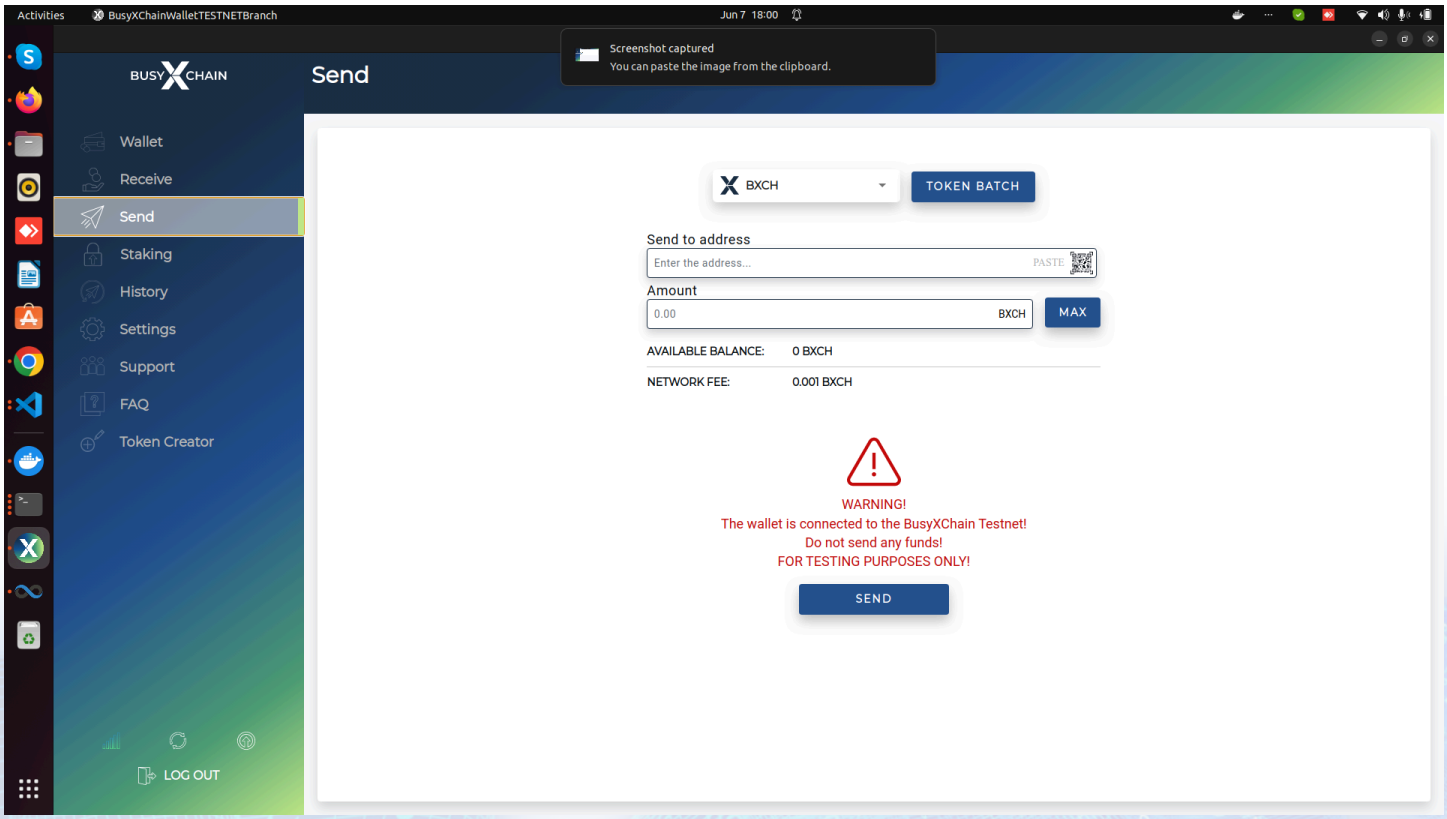
- Wallet Creation process

Create Password

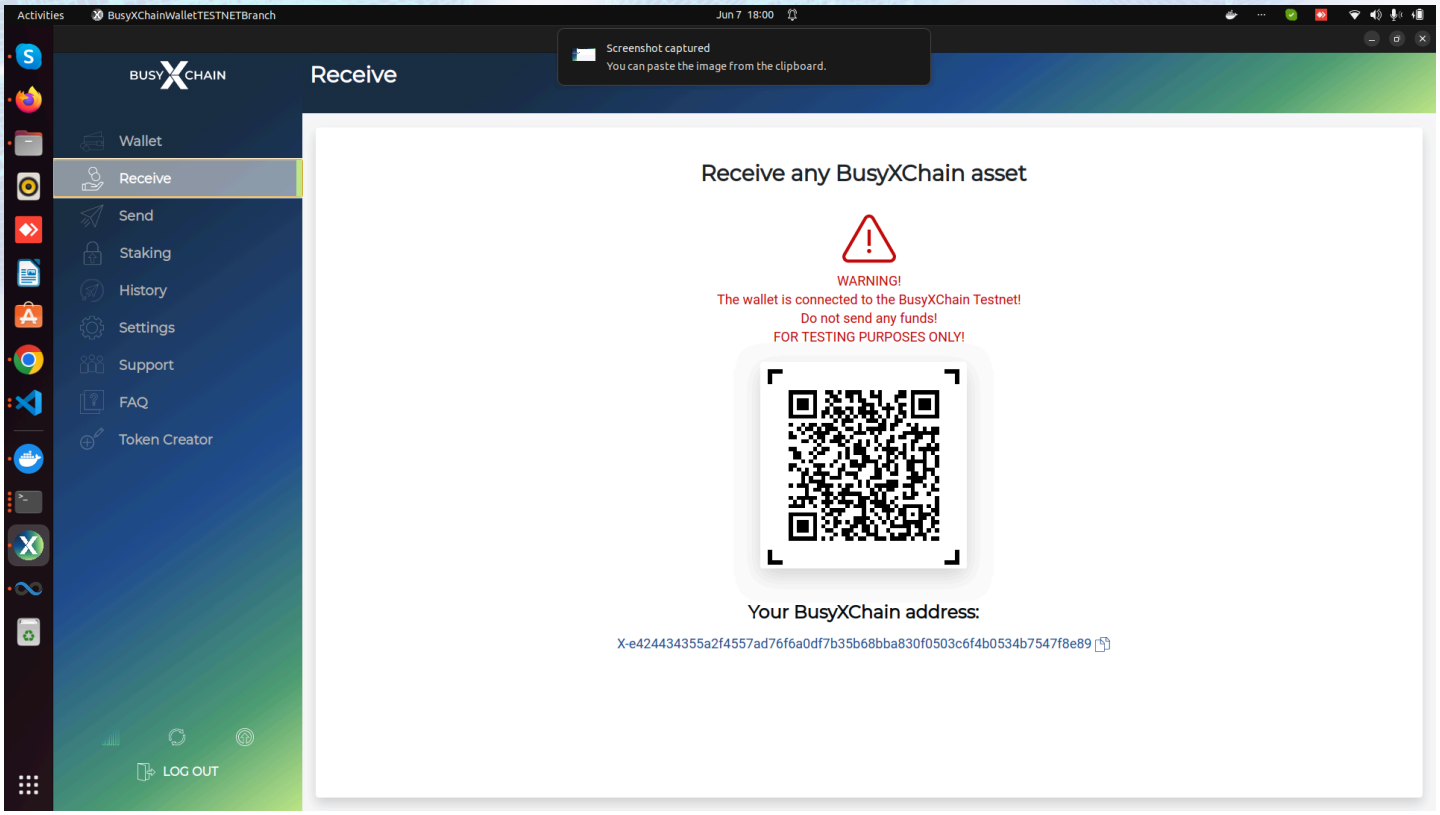
- Home Page



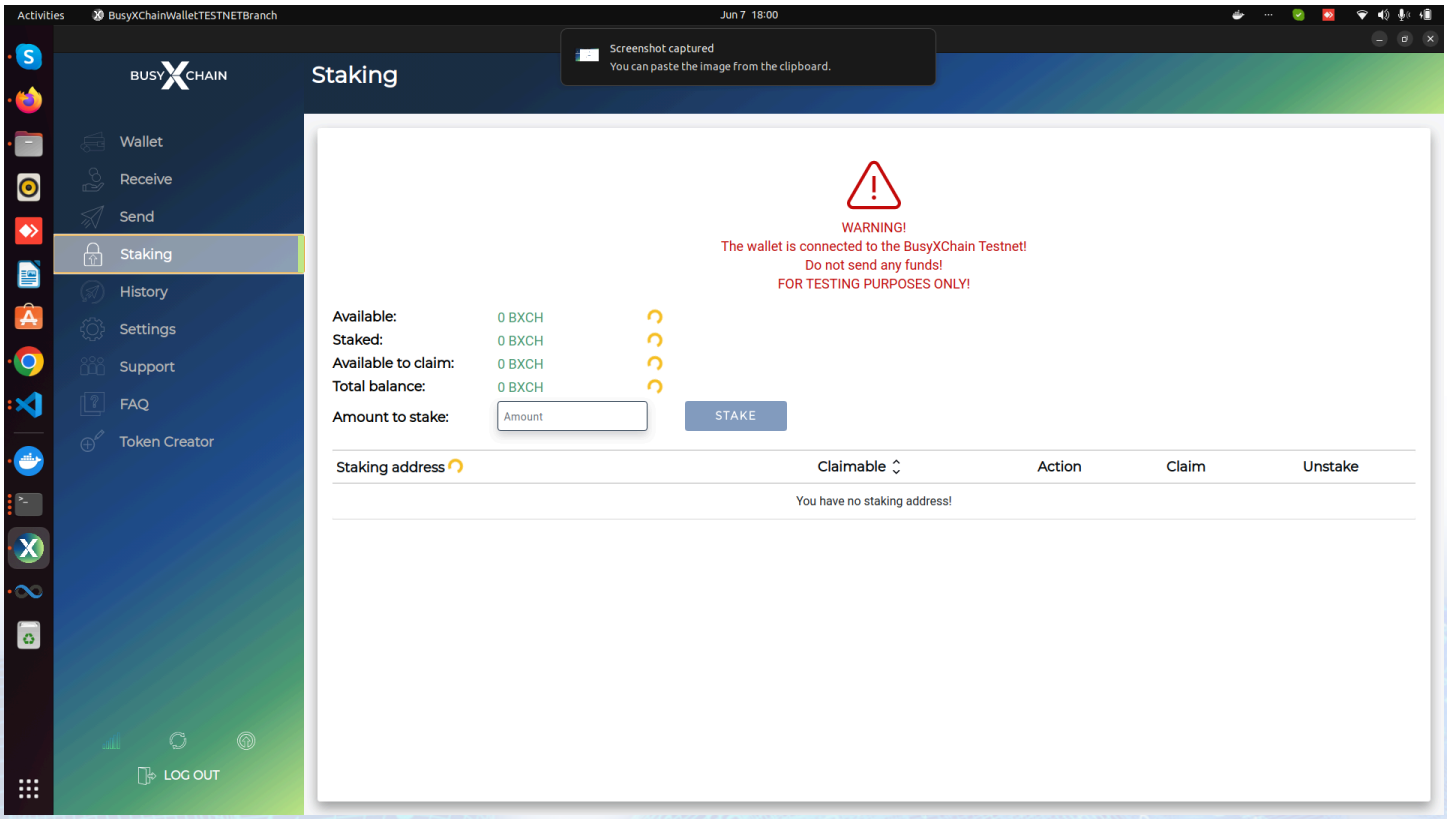
- Send Busy tokens



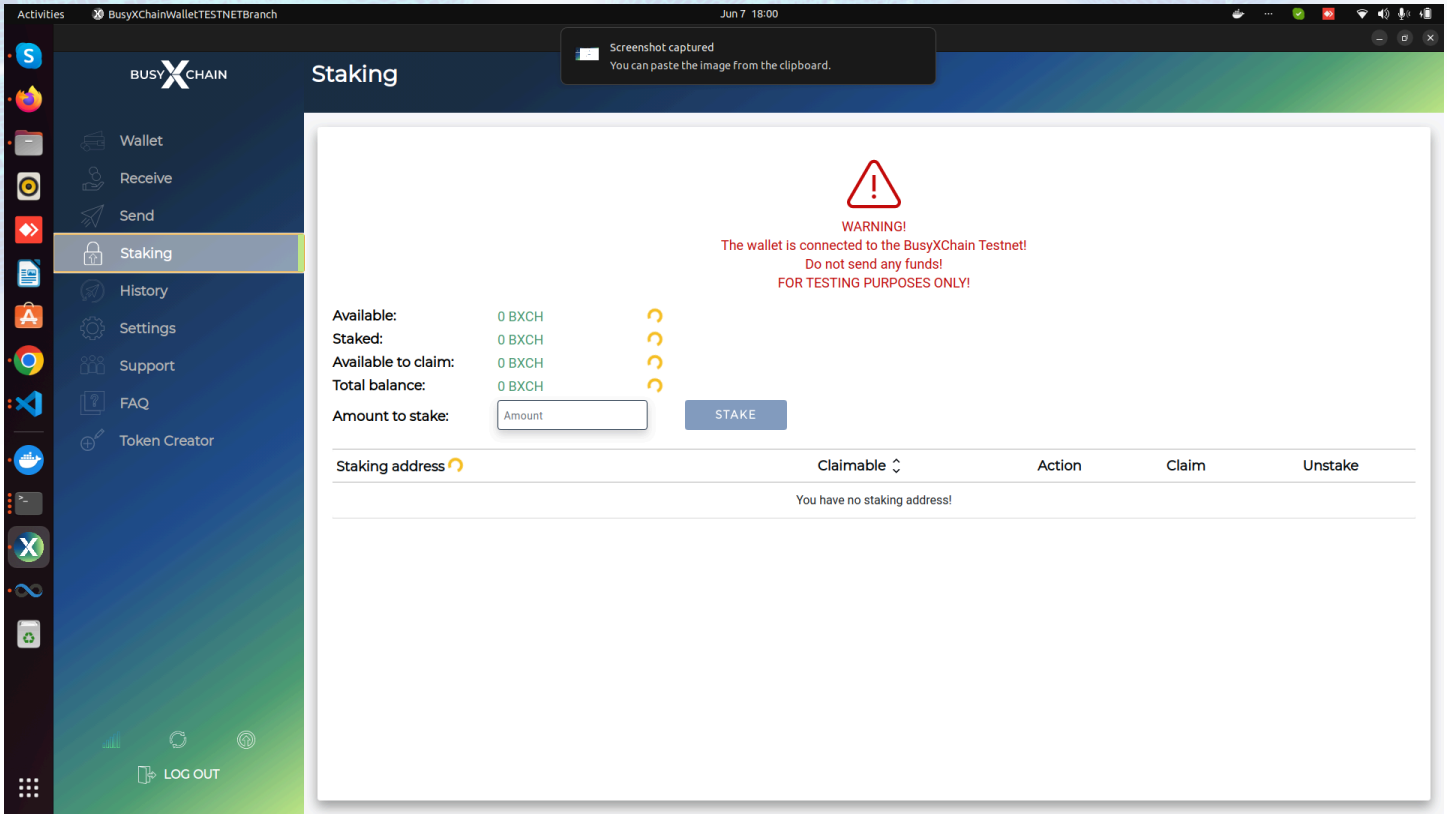
- Receive Busy tokens



- Staking



- Transaction History



Tech stack used

We have utilized Angular and Electron for developing desktop application. For mobile application we have used React native.

Result

We successfully completed the project within the stipulated time frame and delivered value to our client with the following results:

1. Delivered a mobile application through which, the users can register to create a wallet and start sending and receiving Busy tokens with the option to lock their tokens in this blockchain for staking.
2. Delivered a desktop application through which, the user can perform the same functionality as that of the mobile application with addition to Token creation.
3. The solution brought significant revenue growth to our client as a large number of users joined the network to use the services offered.

About Oodles Blockchain

Oodles Blockchain is a blockchain development company that specializes in providing custom blockchain solutions for businesses. The company offers services such as blockchain development, smart contract development, decentralized application (DApp) development, cryptocurrency development, and blockchain consulting.

As a blockchain development company, Oodles Blockchain works with various blockchain platforms and technologies, including but not limited to Ethereum, Hyperledger, Corda, Stellar, and EOS. They cater to clients from diverse industries, including finance, healthcare, supply chain, logistics, and more.

Oodles Blockchain focuses on leveraging the potential of blockchain technology to help businesses streamline operations, enhance security, improve transparency, and facilitate efficient transactions. Their team of experienced blockchain developers, architects, and consultants work closely with clients to understand their specific requirements and deliver tailored solutions.

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