HighRise Network

Crypto wallet-app

CASE STUDY

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PROJECT OVERVIEW

Crypto Wallets Play A Critical Role In Securely Storing And Managing Cryptocurrencies. They Provide A Level Of Security That Is Essential For Anyone Looking To Participate In The World Of Cryptocurrencies, While Also Offering A Convenient Way To Manage Digital Assets. It Is Important For Users To Choose A Wallet That Fits Their Needs And To Take Steps To Secure Their Private Keys To Ensure The Safety Of Their Digital Assets.

Research by Olaoluwa Odubanjo

User flow by Olaoluwa Odubanjo

Wireframe by Olaoluwa Odubanjo

User Persona by Olaoluwa Odubanjo

UI design by Olaoluwa Odubanjo

PROJECT DURATION

week 1	week 2	week 3	week 4	week 5-8
Research	More Research	Sketches/ Wireframe	Low Fidelity/ prototype	UI design/ Testing

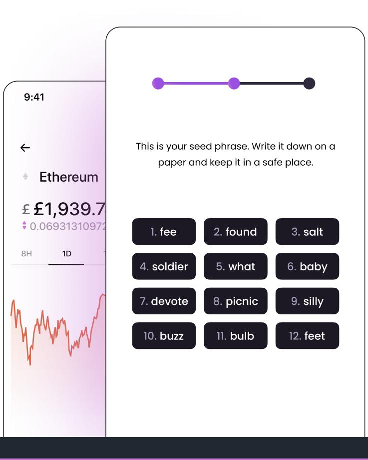
PROBLEM STATEMENT

- **Security Risks: Crypto wallets can be vulnerable to security risks such as hacking, phishing, and malware attacks. If a wallet is compromised, the attacker can gain access to the user's private keys, which can result in the loss of their cryptocurrency assets.**
- Loss of Private Keys: If a user loses their private keys, they will lose access to their cryptocurrency assets permanently, as there is no way to recover the private keys. Therefore, it is crucial for users to properly backup and secure their private keys.
- **Lack of security**:If the Crypto currency exchange gets hacked its easy to lose all assets
- Unreliable rate of transaction

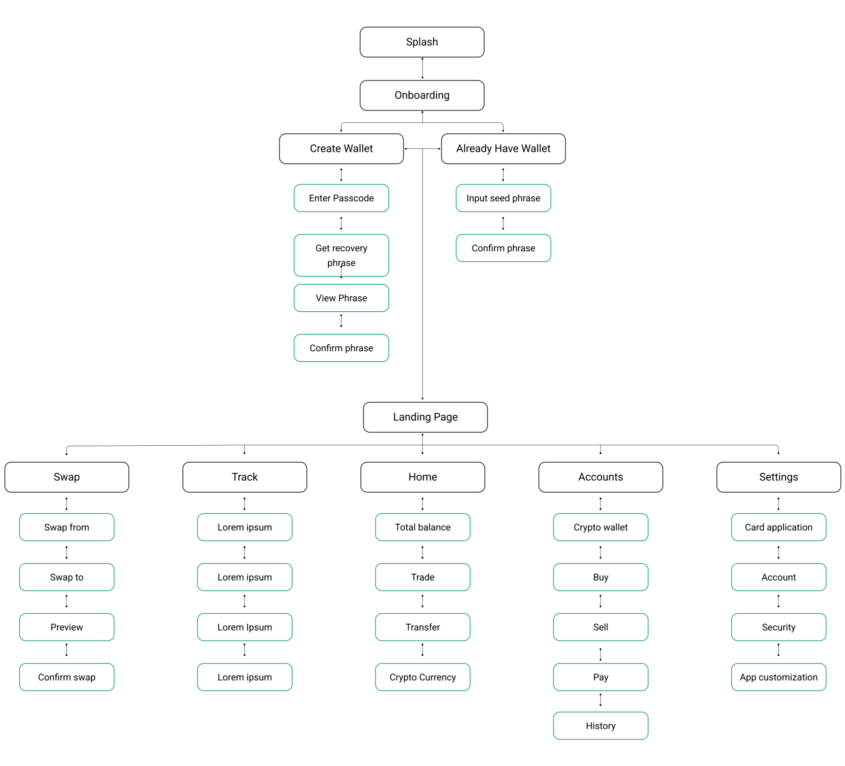
Overall, it is important for users to be aware of the potential risks and challenges associated with crypto wallets and to take steps to mitigate these risks, such as choosing a reputable wallet provider,

PROPOSED SOLUTION

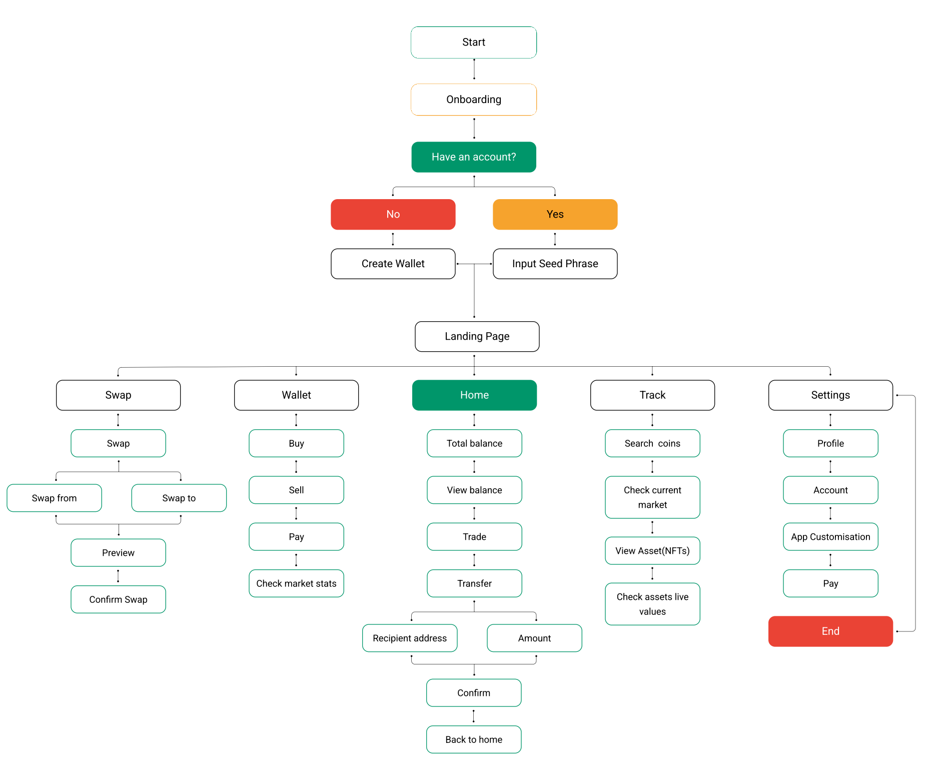
- Multi-Signature Support: Multi-signature (multi-sig) support allows for multiple parties to authorize a transaction, which adds an additional layer of security and reduces the risk of funds being stolen.
- Creating an e-wallet which require email address and face recognition or fingerprint when created the user is provided with a wallet ID which is a unique identifier similar to a bank account number
- Private Key Management: Private keys are used to access and transfer cryptocurrencies, and they must be kept safe and secure. Crypto wallets provide a way to securely manage private keys by storing them in encrypted form and using various mechanisms to prevent unauthorized access.
- Two-Factor Authentication: Two-factor authentication (2FA) adds an extra layer of security by requiring users to provide additional authentication, such as a code generated by a mobile app or a fingerprint scan, in addition to their password.



INFORMATION ARCHITECT-URE

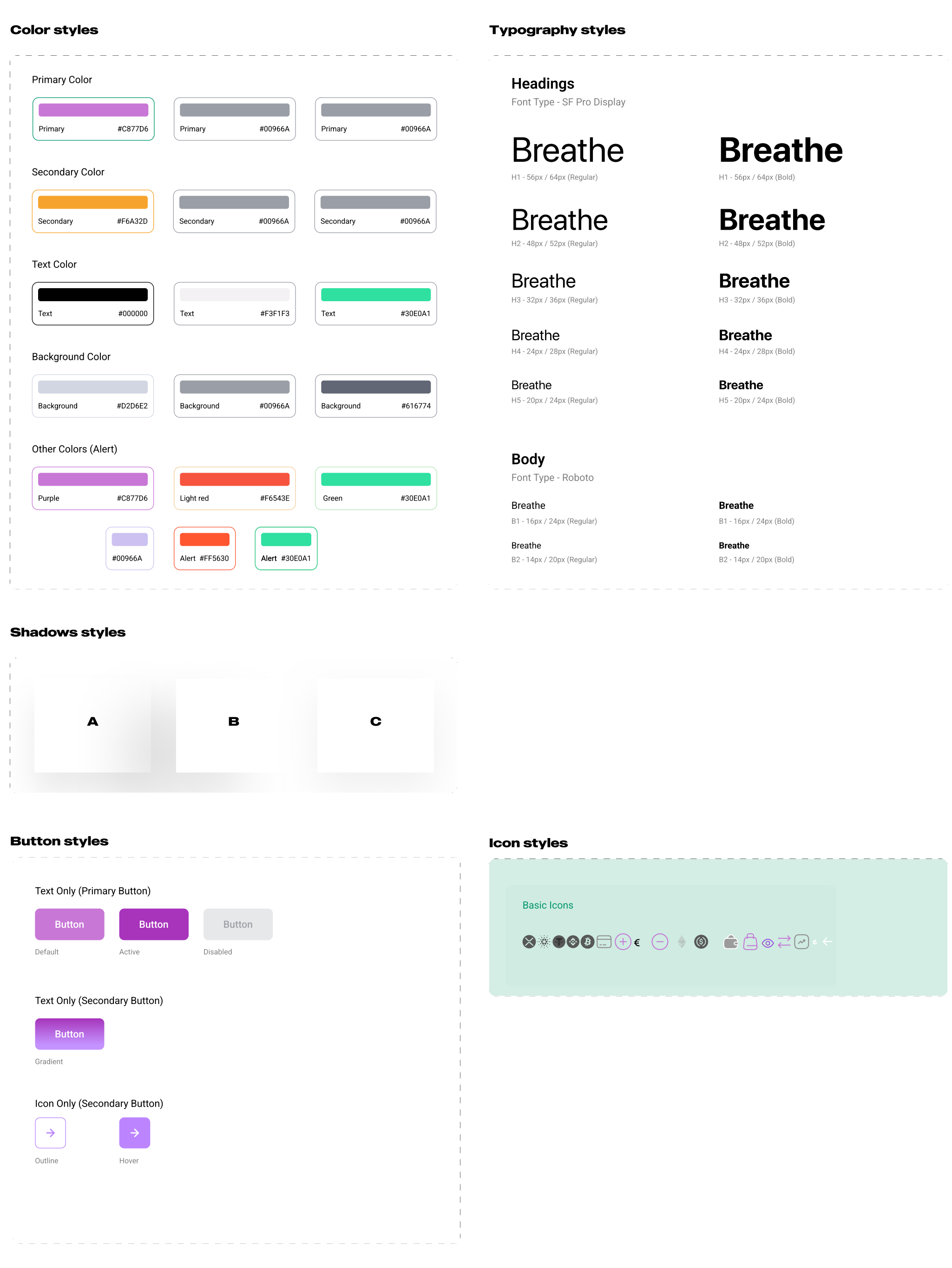


FLOW CHART AND USER FLOW



LOW FIDELITY WIREFRAMES

DESIGN SYSTEM



USER AUDIENCE

Cryptocurrency Investors: Individuals who own cryptocurrencies and are looking for a secure and convenient way to store, manage, and transfer their assets.

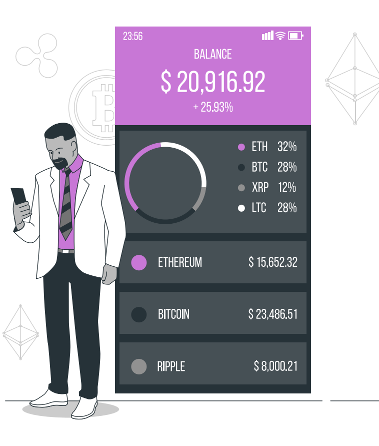
Cryptocurrency Traders: Individuals who frequently buy and sell cryptocurrencies and require a wallet with advanced trading features and integrations with cryptocurrency exchanges.

Crypto Enthusiasts: Individuals who are interested in the world of cryptocurrencies and are looking for a wallet that provides educational resources and a user-friendly interface.

Small Businesses: Small businesses that accept cryptocurrencies as a form of payment and need a wallet to securely manage and track their transactions.

Freelancers: Freelancers who receive payments in cryptocurrencies and need a wallet to manage their income and expenses.

Developers: Developers who are building decentralized applications (DApps) and require a wallet to store and manage their testnet or mainnet assets.



FUTURE IMPROVEMENTS

As the cryptocurrency market continues to evolve and mature, there are several areas where crypto apps can be improved. Here are some potential future improvements:

User Experience: One of the main areas for improvement is user experience, with a focus on making crypto apps more intuitive and user-friendly. This can include simplifying the onboarding process, providing clear explanations of technical concepts, and streamlining the process of buying and selling cryptocurrency

Integration with Traditional Finance: As cryptocurrencies become more mainstream, there is a growing need for greater integration with traditional financial systems. Future improvements can include adding support for fiat currencies, making it easier for users to convert between cryptocurrencies and traditional currencies, and integrating with existing payment systems such as PayPal or Apple Pay.