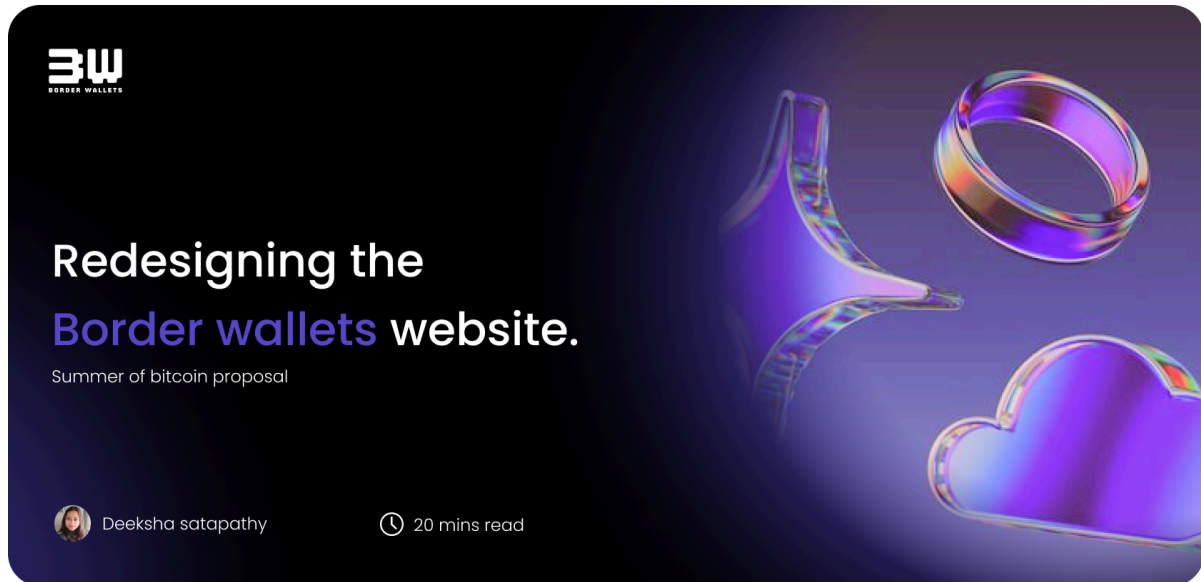


Border Wallets– UX UI Proposal

This case study is divided into 2 Parts. Part 1 details all the user interviews, problem statements, competitors analysis, etc. Part 2 is solution-oriented while all the solutions and timelines are discussed in detail.



About me

Hey there! ✨ I am Deeksha Satapathy 🙋

My history – I'm the creative whirlwind behind a journey that zipped from graphic design through brand crafting and landed in the exhilarating world of UX/UI design. Over the years, I've honed a toolkit that's as sharp in design as it is in strategic execution. Worked with more than 50 companies as a freelancer in tech and hospitality sector. 5 years back, I also leaped into the entrepreneurial arena, rocking the third round at IIT-Eureka and selling my first startup for a cool 25 lakhs. Now, I'm onto startup number two.

My day to day activity – As I wrap up my architectural studies—yep, that's happening right now as i am writing this intro. My thesis presentation just around the corner (2nd may) . I'm always looking to solve the next big problem. I get up, try to do something new, and then sleep.

My buddies? A bunch of product managers and entrepreneurial wizards who keep my insights sharp and my ideas flowing. Sometimes i feel i learn more there than in classes. And yes, I'm love playing board game and arranging board game nights.

I am also a fanatic who's super passionate about Bitcoin. It's not just digital currency for me; it's the ticket to a future I want to shape. By the time I hit my 50s, I want to look back and say, "I was there when the world changed—and I helped change it." Join me on this wild ride as we design not just visuals but the future itself!

These are my socials, Let's connect

Behance - <https://www.behance.net/deekshasatapathy>

Dribbble - https://dribbble.com/deeksha_satapathy

Instagram - https://www.instagram.com/hey_deeksha?igsh=bzFlcGpqbXpudHNu

Linkedin- <https://www.linkedin.com/in/deeksha-satapathy-771019194/>

Discord - vanny8569

Email - deekshasatapathy@gmail.com

Why did i choose border wallets?

"Fell in love with the concept". For me, the simplest solutions are always the best and border wallets is the best example of it.

I chose to work on Border Wallets out of a deep interest in the intersection between technology, design, and user empowerment within the cryptocurrency space. In the rapidly evolving world of digital currencies, I see a unique opportunity to contribute to a platform that can significantly impact how individuals interact with and manage their assets.

The commitment of Border Wallets to user-centered design aligns with my own ethos of crafting experiences that are not just functional but also educational and inclusive. I am driven by the potential to make a tangible difference in users' digital lives, providing them with tools that safeguard their investments while also demystifying the complexities of blockchain technology.

To summarize:

- Making the use of patterns instead of words may seem easy but its complexity in execution is a challenge, and this gives me a chance to explore a new domain of cognitive psychology
- Designing a website from scratch is equal to building a new idea from its core. It's like creating a flower Boquet where you carefully select all the flowers from beginning to delivery.
- The concept has a wide range of use cases. Once users understand the potential of the system it can be very well expanded to B2B sectors.

Personal motivation - "I would like to work with the founders who came up with such a simple and innovative design and be a part of the core team. I want to expand border wallets to B2B sectors and make it a everyday name in the bitcoin industry"

Project Objective

Let's Understand Border Wallets

In simple terms -

Border Wallets is a tool designed for individuals who use Bitcoin and want a secure method to encrypt and memorize their wallet's seed phrases. Rather than being a traditional cryptocurrency wallet, it functions as a mnemonic aid, using a technique known as the Picture Superiority Effect. This technique leverages the human brain's ability to better remember images and patterns compared to text.

Vision

To position Border Wallets as the industry-leading solution for managing and encrypting Bitcoin seed phrases, known for its innovative and user-focused design, as well as its dedication to security and education within the cryptocurrency community.

Mission

Our goal is to provide consumers with a tool that makes understanding cryptocurrency security easier. Our goal is to increase user confidence and encourage wider adoption of secure digital asset management practices by offering a smooth interface and a nurturing learning environment.

Limitations

1. This proposal only defines the redesign to border wallets online website and has not considered any changes to the offline application. Enhancing the user experience of the offline application is taken into the future scope of this project.
2. This redesign is done with only bitcoin in mind and no other cryptocurrencies are considered in designing the website architecture, copywriting, or UI elements.
3. The proposal is very long by nature as I have tried hard to include everything I have researched. The whole proposal is divided into parts for easier navigation.

Pointers before reading

4. All sections have subsections, due to pageless format, some sections might be closed when you first open the file. Please check the dropdown to make sure that you have read all the sections.
5. Images are provided in every section with links to Figma files. Please visit the Figma and Figma files for proper viewing.

User flow - [userflow_borderwallets](#)

User personas - [userpersonas_borderwallets](#)

High fidelity prototype (contains mood board, ui kit etc.) - [highfidelityprototype_borderwallets](#)

Goal – The primary goal is to enhance the website's user experience by implementing changes in design, copywriting, and information architecture.

Part – 1 (Research & UX Audit)

Research

1. User Research

Extensive user research has been conducted to understand the preferences and pain points of border wallet users.

The research includes users' feedback from github repo, X platform, website, telegram channels, and Play Store reviews on similar platforms like Sparrow Wallets, brain Wallet.io, bitcoin tribe, etc.

The research also includes quotations from personal interviews conducted with 5 individuals who have used Borderwallet in real life.

1.1 User Personas

In this case, the division of user personas has been done according to the frequency of their use, which will help us build a better user flow and website architecture.

Access the [userpersonas_borderwallets](#) to get in-depth clarity of 3 different types of users their pain points, needs, ideal situations, critical situations, etc.

1 First-time visitors

Frequency - One-time visit and subsequently when they want to create a new BW.

1. New Wallet Owners:

People who recently created a Bitcoin wallet and who need to safeguard their seed phrase. They might only occasionally access the website, most likely while creating their wallet or when they use their seed phrase.


Needs: Welcoming landing page, Easy-to-understand instructions for setting up and protecting their first wallet for beginners. easy Faqs, sense of security through consistent branding. The availability of comprehensible teaching materials that deconstruct the procedure of maintaining a Bitcoin wallet seed phrase

2. Bitcoin Enthusiasts:

People who like exploring different sections of Bitcoin usage. These people can both be beginners or experienced developers who recently came to know about Border Wallet.

Needs: A strong sense of community, Detailed technical documentation, API access, Clear scope of contribution in the channel.

Detailed case study of Riya Agarwal (First time wallet user)-

| | | | |
|--|--|---|---|
|  | Riya Agarwal <ul style="list-style-type: none">• 20• Student• India• Uses bitcoin only <p>Riya is a newcomer to cryptocurrency. She recently set up her first Bitcoin wallet and needs a secure method to manage and remember her seed phrase. Riya is in her early 20s and values simplicity and security.</p> | Pain Points <ol style="list-style-type: none">1. overwhelmed by the intricate terminology and workings of cryptocurrencies.2. Not sure what security precautions digital wallets require.3. Finding beginner-friendly tools can be challenging.4. worries about the possibility of losing or stealing digital content.5. anxious to complete transactions by herself. | Tech Requirements <p>Primarily uses smartphones and basic web applications. Prefers user-friendly, intuitive software with minimal setup required.</p> |
| Quotations <p>"I don't understand what this is, but I think it creates some pattern for me to remember so that i won't have to remember my seed phrase"</p> <p>"They generate some patterns which I use as my seed phrase in my next login"</p> | Needs and expectations <ol style="list-style-type: none">1. Comprehend how to safely maintain her Bitcoin wallet.2. Recognize the fundamental terms and workings of cryptocurrencies.3. Look for trustworthy, user-friendly cryptocurrency management tools.4. Acquire assurance in managing digital resources safely.5. Get prompt assistance and direction for any problems or inquiries. | Ideal Situation <ol style="list-style-type: none">1. Simple Onboarding: riya is greeted with a straightforward, step-by-step tutorial on how to use Border Wallets right from her first login, making the setup process smooth and stress-free.2. Interactive Help: Live chat support is readily available, allowing Emma to get instant help whenever she encounters difficulties or has questions.3. Visual Aids: The website uses clear visuals and animations to explain how to secure her wallet, making complex concepts easier to understand.4. Community Support: Access to a beginner-friendly community forum where riya can learn from other new users and share her own experiences.5. Regular Updates: Notifications about new features and security updates that keep her informed and her wallet secure without overwhelming her. | Critical Situations <ul style="list-style-type: none">• utilizing Border Wallets to set up her first Bitcoin wallet.• opening a seed phrase encryption tutorial.• phoning customer service to request assistance with help.• talking about her setup procedure online with friends or other community members.• growing more accustomed to the location and going back to update the security configuration. |

2 Frequent Visitors

Frequency - Two to six times a month.

1. Casual crypto users:

People who have already used BW and are here to download an updated version, download DW for a new system, or open a new wallet. These people can also be interested in bringing new users to BW as they might suggest BW to other users if they like it.

Needs: Simple tools for occasional check-ins or updates and notification of updated on the landing page. Quick access to the download section, and easy to “share” button.

2. Educators and Content Creators:

Professionals who teach and make content in the Bitcoin space. They would visit DW site more frequently and would like to have access to all its features.


Needs: Simple user flow, Extensive resources for teaching others about the security of cryptocurrencies. These could include in-depth manuals, instructional films, and editable slide shows.

3. Traders & Investors:

Individuals who work with multiple wallets and multiple systems. These can be visiting DW for their use or usage of their clients.

Needs: Direct download button, version updates, download history, feedback channel, and community access. Help channel.

Detailed case study of Liam sun (Bitcoin Educator)–

| | | | |
|--|---|---|--|
|  | <p>Liam Sun</p> <ul style="list-style-type: none">• 45• Developer• Hongkong• Uses bitcoin and other currencies | <p>Pain Points</p> <ol style="list-style-type: none">1. Absence of thorough and current teaching resources.2. a challenge in locating platforms that sufficiently facilitate the creation of instructional content.3. Tools that facilitate interactive learning and engagement are necessary.4. difficulties in making difficult ideas understandable to novices. figuring out how to maintain relevant and interesting content. | <p>Tech Requirements</p> <p>Uses advanced content creation tools, webinar platforms, community forums, and the latest cryptocurrency security applications.</p> |
| <p>Liam is an experienced cryptocurrency enthusiast and educator in his mid-40s who creates content about Bitcoin. He engages both novices and experienced users, providing them with educational resources.</p> | <p>Needs and expectations</p> <ul style="list-style-type: none">• Offer content on cryptocurrency security that is current, comprehensible, and informative.• Make use of a platform that facilitates the creation of in-depth education.• Participate in a community to exchange and debate content.• possess the newest features and tools for cryptocurrency security.• Showcase top techniques for managing cryptocurrencies. | <p>Critical Situations</p> <ul style="list-style-type: none">• making a brand-new instructional film with Border Wallets.• organizing a webinar on the significance of managing secure seed phrases.• adding the most recent Border Wallet features to his blog.• taking part in a forum conversation about cryptocurrency security with followers.• reviewing user comments and applying them to upcoming material. | |
| <p>Quotations</p> <p>" The user interface can be made simple"</p> <p>"I would like more userfriendly features for more seamless interaction"</p> | <p>Ideal Situation</p> <ul style="list-style-type: none">• Resource Library: Liam can create interesting educational content by using a vast collection of current, editable resources, such as templates and images, that he has access to.• Community Engagement: He can better engage his audience by using features that promote interaction, like polls, Q&A sessions, and platform discussions.• Content Showcasing: A special area on Border Wallets where Liam can display his instructional materials and get feedback straight from the users.• Collaborative Opportunities: Possibilities to work together with other subject-matter specialists to expand the breadth and depth of his instructional endeavors.• Acknowledgment and Benefits: A system that honors his contributions to community education, perhaps in the form of badges, website highlights, or other awards. | | |

3 Contributors and developers

Frequency - Two to four times per week

1. Open source contributors:

Users who contribute to crypto projects. Very technical, yet they typically shine in the one area they are concentrating on right now.

Needs - Contributors to open-source projects require simple access to development tools, such as source code, documentation, and criteria for contributions. A community forum for talking about feature updates and issue fixes.

1. Developers and tech enthusiasts:

Users with very deep technical knowledge, keep contributing to different kinds of crypto projects.


Needs - Thorough technical documentation, access to APIs, and code samples for integrating or expanding Border Wallets' functionality.

2. Security Researchers:

Cybersecurity experts who are interested in making Bitcoin or any crypto more secure for the general public.

Needs - Knowledge of security procedures, availability of tools for reporting vulnerabilities, and openness about current security updates and safeguards.

Detailed case study of Liam sun (Bitcoin Educator)-



Ava Zhao

- 28
- Developer
- London
- Uses all other currencies

Ava is a developer and tech enthusiast in her late 20s who actively contributes to open-source cryptocurrency projects. She has a deep technical background and is passionate about enhancing security features.

Quotations

"How will i know if others are working on it? They should have a telegram channel like sparrow does"

Pain Points

1. locating open-source initiatives with structured documentation.
2. removing obstacles to participation in new projects that arise from ambiguous contribution procedures.
3. interacting with developer communities that are split up or dormant.
4. ensuring that contributions are appropriately acknowledged and incorporated.
5. keeping up with the quick changes and advancements in technology.

Needs and expectations

- Work well together as a team of developers on open-source projects.
- Get access to extensive development tools and documentation.
- Participate in worthwhile initiatives that improve the security of cryptocurrencies.
- Keep up with the most recent developments and trends in cryptocurrency technology.
- Take part in a lively developer community with like-minded individuals.

Tech Requirements

Heavily uses development environments, code repositories, collaboration tools, and forums for technical discussions.

Critical Situations

- reviewing and adding code to enhance the security features of Border Wallets.
- taking part in an innovation hackathon with Border Wallets as the foundation.
- conversing in developer forums about feature enhancements.
- facilitating a workshop on making contributions to cryptocurrency projects that are open-source.
- submitting security updates and bug reports for Border Wallets.

Ideal Situation

- Explicit Contribution Guidelines: Provides comprehensive and unambiguous instructions on how to contribute to the creation of Border Wallets, streamlining and streamlining the procedure.
- Access to Advanced Tools: Ava is able to test, provide feedback, and innovate on the platform with early access to beta features and cutting-edge tools.
- Active Developer Community: A dynamic and accommodating online developer community where Ava can converse, work through issues, and exchange knowledge with colleagues.
- Direct Impact on Product Development: A chance for Ava to witness her ideas come to life and directly influence the creation of the product.
- Security Focus: She is committed to developing secure solutions, which is reflected in the tools and resources she has set aside for security testing and improvement.

1.2 User Problems with User Interview Quotes

All the user issues have been taken from users' feedback from github repo, X platform, website, telegram channels, and Play Store reviews on similar platforms like Sparrow Wallets, brain Wallet.io, bitcoin tribe, and personal interviews.

The reviews were rated according to the frequency of these reviews after being subjected to a sentimental analysis and categorization using ChatGPT. The reviews were generally divided into the following categories.

First-time Visitors

1. Intimidation and Complex at first glance.

"This looks like a developer tool, it's not for me. I think it's a tool that developers need. Its a plugin which can used in wallets"

2. Lack of clear guidance

"The video is too long to watch and what is a sparrow wallet?"

"When I click on learn how, it is just too much technical information. And it's too lengthy for me."

3. Fear of errors

"The only button i felt was safe to click was - learn more"

"I felt my freedom was restricted by just one way of flow. The menu bar is not noticeable in the first use"

4. Overload of information

"Too much technical knowledge, I read till page 3 and still don't know what exactly it does. I am clueless till now"

"NO images looks like a nerdy tech tool for some developers. The design can be improved a lot—too much grey."

Frequent Visitors

1. Unavailable quick access

" There is no direct page where I can see the newly released version"

"Too many links in one space. Every time I visit it, I have to search for the release link to go to downloads"

2. User Interface complexity

Developers and contributors

1. Collaboration and Contribution Challenges:
2. Community Engagement

"No platform to clear my doubts. I got a question. Is there are way to generate the 12 words using an air gapped HW and still apply them to a grid without touching your device (potentially exposing them on the web)?"

3. Technical Issue

Beyond the scope of this case study.

1.3 Summary of User Problems

1. Complexity and intimidating nature of landing page for inexperienced users.
2. Inconsistent branding makes the website unreliable.
3. Need for comprehensive, user-friendly instructions for installation and maintenance.
4. Fear of expensive mistakes due to lack of knowledge and unfamiliarity.
5. Restricted and myopic user flow that is similar to all types of users.
6. Copywriting is too technical and overwhelming.
7. Overwhelming information prevents users from utilizing the platform to its full potential.
8. Requirement for instant access to wallet features for frequent users.
9. Ineffective user interfaces that impede frequent and speedy activities.
10. obstacles in the way of productive cooperation and participation in the open-source community.
11. Limited environments for testing and deployment that impede innovation and progress.
12. Absence of community interaction to encourage dialogue, criticism, and mutual learning.

2. Competitor Analysis

Border Wallets offers a novel and unique concept centered on the safe management of Bitcoin wallet seed phrases via offline software and has no direct competitors. However, it is advantageous to benchmark against indirect competitors such as hardware wallets (e.g.,

Trezor, Ledger, KeepKey) to align with market standards. This comparison draws parallels between user experience(UX), user flow, and Design elements to make Border Wallet provide the best usability and security.

2.1 Comparison table

| Competitors | Focus/USP | Strengths | Key Takeaways |
|------------------|--|--|---|
| Trezor | Showing human interaction with the product. Creates a sense of familiarity | <ul style="list-style-type: none"> -Consistent branding -Clear user advantages -Detailed FAQ section -Good educational resources - prominent CTA buttons - Prominent feedback and user reviews | <ul style="list-style-type: none"> - Add Human elements to the product. - Add a Detailed FAQ section - Have consistent branding Throughout - Design prominent CTAs |
| Ledger | Premium and edge tech design. it creates a sense of luxury and superior product quality. | <ul style="list-style-type: none"> - Sleek and professional design - Elements of Bitcoin Design - Pictures and videos for better understanding - Extensive footer - Testimonial sections - Proper division in documentation - Multi-touch points - Prominent feedback and user reviews | <ul style="list-style-type: none"> - Design elements that reflect premium quality products. - Incorporate Elements of Bitcoin design - Add an Extensive footer - Have Multi-connection points - Divide the documentation part into smaller chunks - Have prominent user feedback for reliability. |
| Blockstream jade | Techy and product-centric design. | <ul style="list-style-type: none"> - Extensive competitor analysis - Clear product features - Proper favicon design - Extensive menubar | <ul style="list-style-type: none"> - Have a clear product description and features - Consider a proper favicon design - Design a detailed menubar |
| Bitbox App | Simple and to the point. Uncluttered landing page. | <ul style="list-style-type: none"> - Modern and minimal design - Clear product features - Multi connection points - Simple user flow - uncluttered landing page | <ul style="list-style-type: none"> - Keep the landing page short. - Design with consistent branding |

2.2 Key Improvement points

1. **Add human elements to the Products** - Use real-world images and user reviews to establish a connection, build relatability and trust, and boost user engagement.
2. **Detailed FAQ section** - Create a thorough FAQ section to anticipate and address frequently asked questions and problems, which will decrease support requests and increase user autonomy.

3. **Uniform Branding** - To strengthen brand identity and improve user recognition, make sure that all digital assets use the same colors, fonts, and logo placement.
4. **Visible CTAs** - Make visually striking call-to-action buttons that lead visitors through the journey in a natural way, boosting user engagement and conversion rates.
5. **Design Features that Honor High-End Products** - Make use of elegant color schemes, sophisticated typography, and superior photography to communicate the product's upscale quality.
6. **Bitcoin Design Elements** - To connect with the cryptocurrency community and validate product relevance, incorporate Bitcoin's visual design elements, such as its color scheme and iconography.
7. **Extensive Footer** - Provide a thorough footer that improves accessibility and navigation by including links to key pages, contact details, and social media accounts.
8. **Several Connectivity Points** - Provide a variety of ways to get in touch with people, such as social media, email, and live chat, to guarantee active user support.
9. **Break the Documentation into Sections** - For ease of consumption and fast reference, divide documentation into manageable sections with distinct headings and subheadings.
10. **Visible User proof** - Put genuine user reviews front and center on the website to establish trust and give potential customers access to reviews from other users.
11. **Clearly state the features and description of the product** - To properly inform users and support their decision-making process, clearly and succinctly describe the features and advantages of the product.
12. **Good Favicon Design** - Develop a unique favicon that is easily recognizable at small sizes to improve your brand's visibility in browser bookmarks and tabs.
13. **Comprehensive Menubar** - Provide a menubar that is clear and easy to navigate, guiding users to the information they require without being overly complicated.
14. **Short Landing Page** - Create a landing page that is easy to navigate, conveys the main point rapidly, and invites users to delve deeper depending on their interests.

2.3 Benchmarking Criteria

1. Website design: responsiveness, usability, navigation, and aesthetics.
2. User experience includes call-to-action, accessibility, ease of use, and user journey.

Content: Detailed product descriptions, comprehensive FAQ sections, and instructional materials.

3. Technical Features: Support for multiple devices, integration possibilities, and

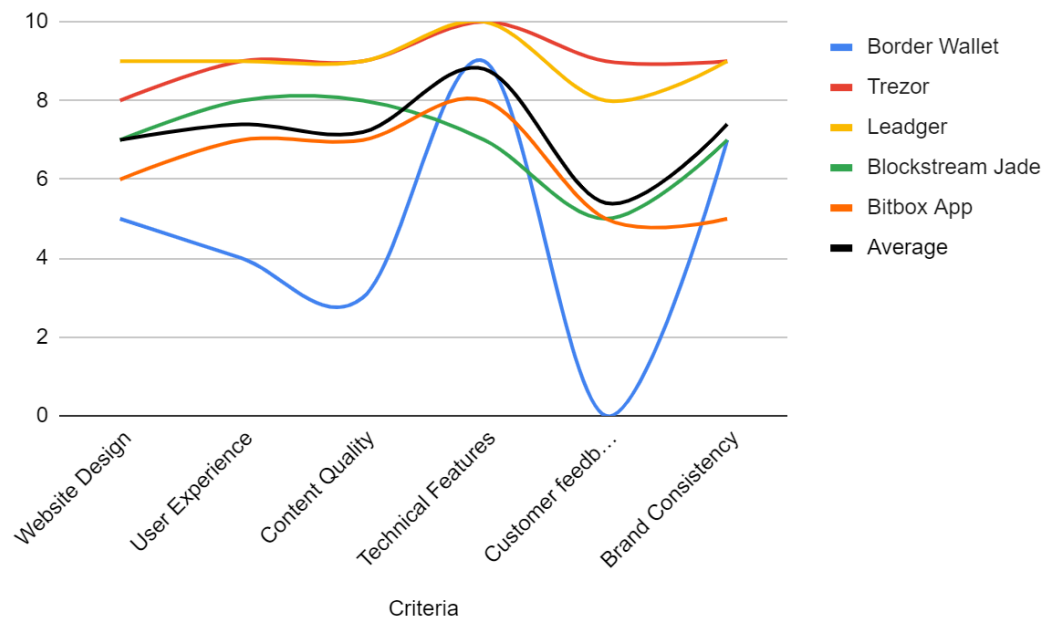
security features.

4. Customer service: customer reviews and feedback, responsiveness, and availability of support channels.
5. Maintaining a consistent brand across all user interfaces is known as brand consistency.

2.3.1 Benchmark Table

| Criteria | Border Wallet | Trezor | Leadger | Blockstream Jade | Bitbox App |
|-------------------------|---------------|--------|---------|------------------|------------|
| Website Design | 5 | 8 | 9 | 7 | 6 |
| User Experience | 4 | 9 | 9 | 8 | 7 |
| Content Quality | 3 | 9 | 9 | 8 | 7 |
| Technical Features | 9 | 10 | 10 | 10 | 8 |
| Customer feedback proof | 0 | 9 | 8 | 5 | 5 |
| Brand Consistency | 7 | 9 | 9 | 7 | 5 |

2.3.2 Benchmark Graph



2.4 Key Insights

1. When it comes to Technical details, Border Wallets is at par to Trezor and Ledger.
2. Rivals, especially Trezor and Ledger, shine in the areas of content quality and customer support due to their abundance of educational materials and strong support networks.
3. Trezor and Ledger are market leaders in the technical overall, offering cutting-edge features, custom feedback, and brand consistency that are crucial for cryptocurrency hardware wallets, according to the scoring system.
4. While most of the competitors have strong brand consistency, Border Wallets' branding could still use some work in overall website design, User experience, Content quality, and customer feedback/community.

3. Understanding the Bitcoin market and its design guide

Understanding the Bitcoin market, its use cases, and design elements is fundamental to crafting a product that resonates with its users. Key findings indicated that Bitcoin has transcended being a casual topic of discussion, with many still wary of its volatility and complexity. This cautious approach often stems from a lack of literacy, security concerns, and convenience when considering cryptocurrency.

1. Bridging the gap between complex management and straightforward learning.
2. Simplifying spending, saving, and transacting with Bitcoin.
3. Shaping a model that resonates across generations.
4. Leveraging Bitcoin's global nature to facilitate community learning and uniform design approaches.

[illegible]

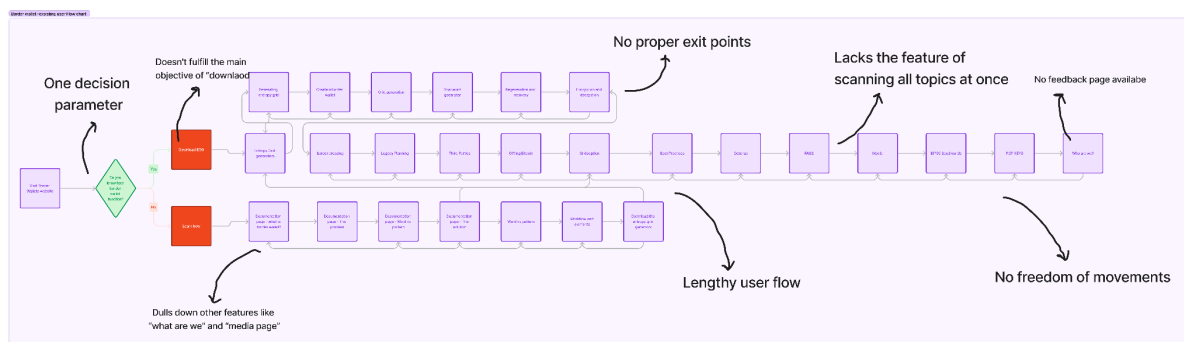
UX Audit

we're closely observing the **user's journey** from initial engagement to regular use. We analyze how users interact with **initial concept** and

their **pain points**. To note **interface intuitiveness**, **content clarity**, **navigation efficiency**, and overall satisfaction. We are observe how much **time** users spend on different sections, **brand and copy** used throughout.

1. User Journey

Access the [userflow_borderwallets](#) to get in-depth analysis of existing user flow of borderwallets.



2. Current State Analysis

The problems below are summarized from all the user problems and competitive analysis. I have broken down the border wallet website into lot of section to analyze its user flow, user retention, copy etc.

1 Home page

Missing navigation bar

Vague Introduction
The introductory line is not self explanatory. It doesn't justify the "why"

No individual branding as a software.

Use of bitcoin elements
The use of bitcoin official color gives the user a strong resemblance of the tool to bitcoin

Video displaying the concept

Complex structure, No break in user flow, Too technical

Lack of Visual Elements
The landing page is not welcoming or user friendly. It is resistive in visual, fortunately, this will make a lot of users to click on "learn how" but the documents are another major problem.

CTA button is too complex for the first time user.
Download EGG without any proper idea of the concept is too technical for any user to click on it.

Other Issues
1. No sense of security
2. No social proof available

No section Title available

No Proper description of all the features.

Too technical copy
The feature section should be catering to all type of users. This type of description is too technical for a first time users.

Learn more button aimlessly takes you to one of the documentation page, with no proper guidance.

No Title or any introduction to the video

Lack of proper footer

Other Issues
1. There is no community or feedback channel.
2. No contact details available in the home page.
3. No FAQ Channel in the landing page

2 "Learn how" page

This audit is similar for majority of the technical document pages only for some specific pages. So after this i have not done the audit for every page but just for the exceptions.

➖ No title to the page

➖ Missing Index

➖ No proper alignment

no proper alignment makes it difficult to read and understand the context properly.

➖ No Breather or pause available to the information structure.

➖ No direct acces to the download button from the documentation pages

➖ No way to know how close are they to end of the document

➖ One way user flow

The user flow is very restricted with one way flow.

➖ Other Issues

1. No exit point in site
2. No context of open source requirements

3 Download page

The screenshot shows a dark-themed web page for downloading the Entropy Grid Generator. The page is titled "Entropy Grid Generators" and lists three options for users. It includes a section for downloading the EGG and another for verifying the release. The page is annotated with three red circles and arrows pointing to specific areas:

- Too many link on one page**: Points to a list of three links in the "1. Downloading the EGG" section.
- No CTA Buttons**: Points to the "Verify the Hash of the File" section.
- Versions and systems are described in plain texts**: Points to the "OSX", "Linux", and "Windows" sections.
- No feedback section availabe after the download button**: Points to the "Conclusion" section.

Entropy Grid Generators

There are currently 3 options for nativly working with the Border Wallets tool - which we call the EGG (Entropy Grid Generator).

1. The original EGG. Instructions for using this are the focus on this website, and start in section 1 below.
2. Spiceworks' Border Wallets integration available [here](#). A video demonstration of how to use this is available [here](#) courtesy of BTC Season.
3. The Chain integration by Devedevidele Technologies (coming soon [here](#)).

1. Downloading the EGG (original Entropy Grid Generator)

Download the latest files below or check out the older [release](#).

- Border Wallets Entropy Grid Generator: [borderwallets.html](#)
- Hash File: [borderwallets.txt](#)
- Signature File: [borderwallets.sig](#)

Verifying the Border Wallets EGG Release

While the following steps may seem intimidating to people that are not used to working in the command line, they are extremely important for your security and not as daunting if you just take them one step at a time.

For all Bitcoin wallets, it's a particularly important security step to verify the release. This is done to ensure the Entropy Grid Generator file

Verify the Hash of the File

You have now verified the signature of the hash file, which ensures integrity and authenticity of the hash file - not the Entropy Grid Generator itself! Next, depending on your operating system, you must re-compute the sha256 hash of the Entropy Grid Generator with `sha256sum -a <file>`. First, download the installation for your operating system (if you haven't done so already). Then follow the steps below to compare it with the corresponding one in the manifest file, and ensure they match exactly. For example:

OSX

```
sha256sum --check borderwallets.txt
borderwallets.html: OK
```

Linux

```
sha256sum --check borderwallets.txt
borderwallets.html: OK
```

Windows

```
certutil -hashfile borderwallets.html SHA256 | findstr /v "hash"
```

Compare result of this command to the appropriate value in borderwallets.txt to ensure they are the same.

Conclusion

With all these steps complete you can be certain of the integrity of your download and can proceed to move the file called "borderwallets.html" to your offline, air-gapped machine.

4 FAQ page

FAQ

⚡ Aren't "brain wallets" a bad idea?

A: If you have a bad memory, a high-degree of physical security and political stability where you live then yes, they are! As explained by the Bitcoin Wiki [here](#), "brainwallets are not recommended to be used in general because of fallible human memory. But in special situations they could be very useful, for example when fleeing a country as a refugee with only the clothes on your back". If you live in a political hot zone or shared accommodation, or if you travel around a lot (nomadic) or seek to find additional ways to carry your seed words with either in your home country or over international borders, then Border Wallets provides you with an easier and more reliable way of generating and memorising Bitcoin seed words vs traditional brain wallet methods, e.g. Memory Palaces. Border Wallets can also be used in unison with existing Bitcoin wallet set-ups to provide you with the option to memorise your wallet if your situation suddenly changes.

It is worth noting that Border Wallets also have use cases beyond memorisation (explained in our Use Cases sections).

⚡ How are Border Wallets different from Memory Palaces?

A: Memory Palaces are another viable way of memorising seed words, and could actually be applied to Entropy Grids - where a user "journey" is constructed using cell co-ordinates. In the absence of an entropy grid, however, the Memory Palace method requires users to create a mnemonic for each word in order to recall them at a later date. With Border Wallets, the user is not required to memorise any seed words except for the Checksum (final word) or - using our Final Word Number feature - its corresponding 'number' which the EGG can use to remind users of the final word at a later time. Our focus with Border Wallets was to create the most simple, secure and most importantly reliable method for memorising seed words and recalling them at a later date. We do this by exploiting the Picture Superiority effect and calling on the user to only remember a Pattern and one seed word/number, and not 12, 24 or more.

⚡ How much entropy is there in the pattern or the system as a whole?

A: If you are asking if there is more security in Border Wallet because there is more entropy than regular seed generation, then that is not really the point. We set out to make a system that had at least as much entropy but provided an easier way to memorise a seed.

All of the entropy in your Border Wallet is derived from the Entropy Grid unless you use a good source of entropy to generate your pattern. There is usually no real entropy in the pattern because we are human, and tend to apply memorable patterns to things which may make them predictable. Entropy is the measure of randomness and true randomness is very hard to remember. Patterns need to be remembered so they need to be - in most use cases - memorable and not random.

There are ways of making your pattern less easy to guess if your Entropy Grid is discovered by an evil maid. For example:

- making a pattern that isn't so obvious to guess (see our demo video for one example)
- selecting your pattern cells in an order that is less guessable to others (but you will remember!)
- likewise, don't be predictable where you place your pattern on the page(s) of your grid (i.e. beginning on cell A1 may be obvious)
- creating multiple 'dummy' Entropy Grids and storing these - either physically or digitally - alongside your chosen Entropy Grid(s)
- using [Scidorello](#)

If you are creating or using Border Wallets for legacy planning purposes, however, there may be no need to create a 'memorable' pattern as the person you leave the cell coordinates with may want to write them down. In this case, the extent to which you introduce entropy may be significantly higher.

PREVIOUS
[Gotchas](#)

NEXT
[MEDIA](#)

FAQ section is too down in the documentation page

FAQ sections should be put in the home page for better access of all type of users

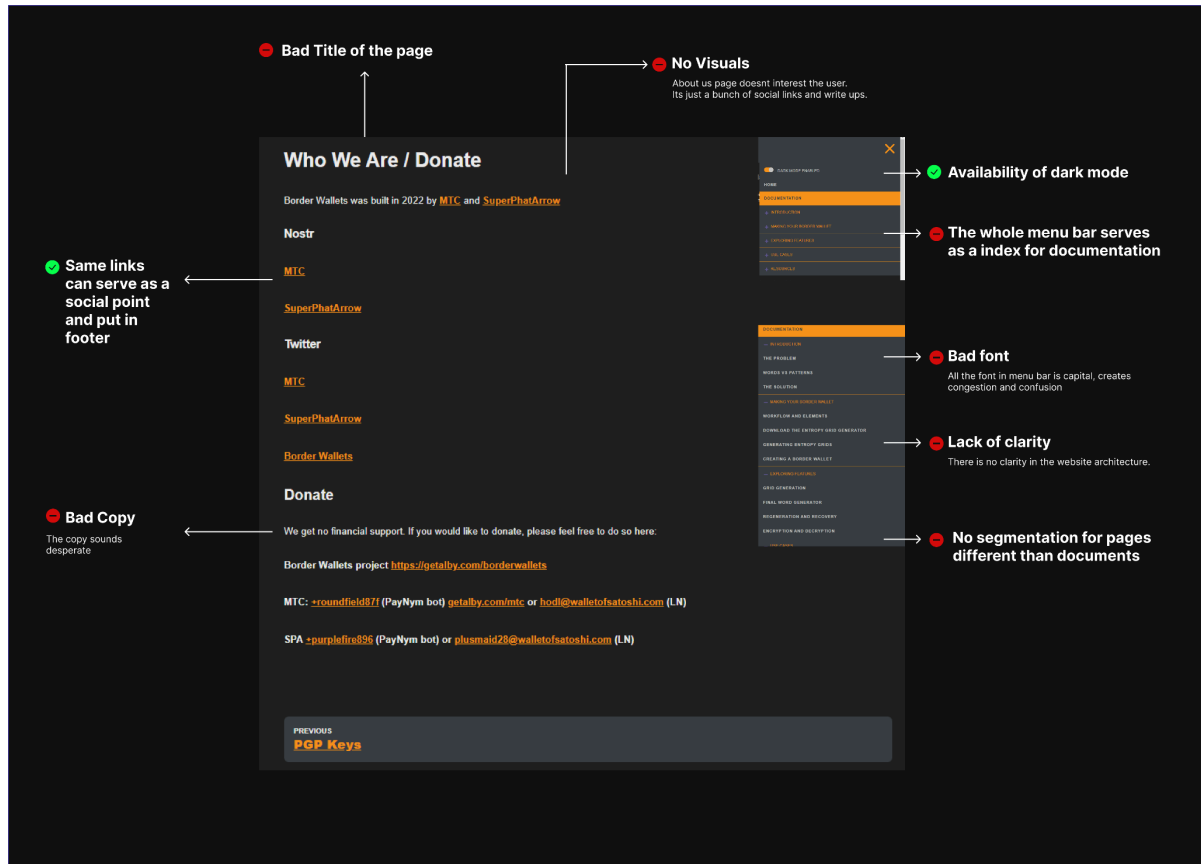
Only 3 questions with very long answer format available.

Intertwined document pages. FAQ page links takes you to another documentation page

No section to ask your own questions.

Missing "community channel"

5 Who are we/Donate page



Media Page

No proper page dedication to the media channel

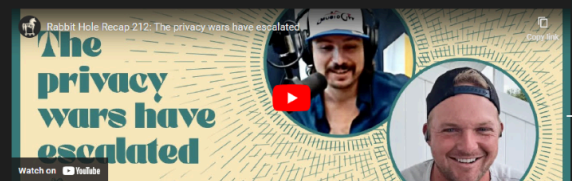
Media channel is made a part of the document and is easily missed by the users

Media Appearances, Features & Articles

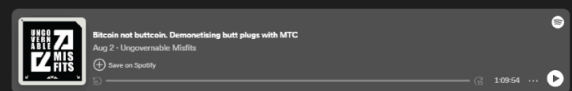
BTC Sessions - Border Wallets - Storing Bitcoin In Your Brain



Rabbit Hole Recap Ep.212 - Marty Bent & Matt Odell



Bit-Buy-Bit podcast - Border Wallets, Bitcoin not buttcoin - Demonetising butt plugs with MTC



Rabbit Hole Recap Ep.209 - Marty Bent & Matt Odell

Articles

Bitcoin Magazine

(English) Border Wallets: A New Way to Create and Easily Memorize Bitcoin Seed Phrases
<https://bitcoinmagazine.com/technical/border-wallets-help-users-memorize-bitcoin-seed-phrases>

(German) Border Wallets: Eine neue Methode zum Erstellen und dem Auswendiglernen von Bitcoin Seedwörtern
<https://europaebitcoiners.com/border-wallets-eine-neue-methode-zum-erstellen-und-dem-einfachen-auswendiglernen-von-bitcoin-seedphrases/>

(French) Border Wallets : Une nouvelle façon de Créer et de Stocker Facilement des Mots-Clés en Bitcoins
<https://europaebitcoiners.com/border-wallets-une-nouvelle-facon-de-creer-et-de-stocker-facilement-des-mots-cles-en-bitcoins/>

(Portuguese) Border Wallets - Seed para atravessar fronteiras
<https://www.youtube.com/watch?v=OPkPpRdD0dI>

(Russian) Border Wallet: новый способ создавать и легко запоминать сид-фразы Биткойна
<https://ru.bitcoinmagazine.com/article/border-wallet-novyy-sposob-sozdat-i-legko-zapomnat-sid-frazy-bitkoyna>

(Ukrainian) Border Wallet: новий спосіб створювати та легко запам'ятовувати сид-фрази Биткоїна
<https://ua.bitcoinmagazine.com/article/border-wallet-novyy-sposib-stvorjувaty-de-lehko-zapamyatovувaty-sid-frazy-bitkoyna>

Sparrow Wallet Releases Native Border Wallets Feature

(English) Sparrow Wallet v1.7.4: Border Wallets For Memorable Seeds
<https://www.noisecoin.com/sparrow-v1.7.4-released/>

(Spanish) Sparrow Wallet 1.7.4 añade privacidad y semillas de recuperación memorizables
<https://www.criptonoticias.com/tecnologia/sparrow-wallet-1.7-ade-privacidad-semillas-memorizables/>

Nasdaq.com

Border Wallets: A New Way to Create and Easily Memorize Bitcoin Seed Phrases
<https://www.nasdaq.com/article/border-wallets-32A-a-new-way-to-create-and-easily-memorize-bitcoin-seed-phrases>

PREVIOUS
[FAQ](#)

NEXT
[BIP39 Seed Words](#)

No proper arrangement of different sections

No proper segmentation of different media links

No preview for articles

Lack of visuals and only links makes it boring for users to show interest in the topic

3. Summary of UX audit and priority listing

1. The whole website lacks general branding guidelines.
2. The landing page is intimidating and is not aesthetic, it's very resistive by nature.
3. The user flow of documentation is hectic and lengthy.
4. No pause or breather available in the information architecture
5. No visual elements are used throughout the website
6. The website lacks a sense of security and reliability
7. The copywriting of the website is too technical for the general public.
8. There is no community or feedback channel.
9. No channel to clearly state the open-source requirements.
10. The FAQ page is too down in the user flow.
11. There are no other touchpoints or user proof on the website.
12. Cluster CTA's in a single page
13. There is no proper header and footer for the website
14. No stated description or features of the product
15. The menu bar is too daunting
16. No proper segmentation for "who are we", "donate", "FAQs" and "Media" Channels
17. Pages miss a general focal point to them.
18. No clear exit points available to the user flow.
19. Lack of more prominent and distributed CTA buttons.

3.1 Bucket list with priority Ranking

Ranking the problems with their impact provides significant insight into site development. By arranging tasks according to their impact and urgency, the priority and bucket list method facilitates focused execution and effective resource allocation.

In case of a clash of solutions, we can also choose the high-priority problem to be solved.

All the problems here are ranked on 3 categories, P1 - Top priority, P2 - second priority and delighter - 3rd priority.

| Problems | Impact | Priority |
|---|--------|----------|
| The whole website lacks general branding guidelines. | 5/5 | p1 |
| The landing page is intimidating and is not aesthetic, it's very resistive by nature. | 5/5 | p1 |
| The user flow of documentation is hectic and lengthy. | 5/5 | p1 |
| No pause or breather available in the information architecture | 4/5 | p1 |
| No visual elements are used throughout the website | 5/5 | p1 |

| | | |
|---|-----|-----------|
| The website lacks a sense of security and reliability | 5/5 | p1 |
| Copywriting of the website is too technical for the general public. | 5/5 | p1 |
| There is no community or feedback channel. | 4/5 | p2 |
| No channel to clearly state the open-source requirements. | 2/5 | Delighter |
| The FAQ page is too down in the user flow. | 3/5 | p1 |
| There are no other touchpoints or user proof on the website. | 2/5 | Delighter |
| Cluster CTA's in a single page | 5/5 | p1 |
| There is no proper header or footer for the website | 2/5 | p2 |
| No stated description or features of the product | 3/5 | P2 |
| The menu bar is too daunting | 3/5 | p2 |

Part – 2 Solutions (Brand design, style guide, UI kit, Web architecture, Copy Writing, UI redesign)

This are the list of features that can be implemented to achieve the business goals and solve problem statements:

Business Impact:

1. **Improved Brand Recognition:** Enhanced design and consistent branding will position Border Wallets as a trustworthy leader in financial security for the crypto market.
2. **Clarity of Product Value:** Clear product descriptions and features will quickly communicate Border Wallets' innovative security approach.
3. **Increased Market Competitiveness:** Streamlined and intuitive design will make Border Wallets a preferred choice for users, driving adoption and market share growth.

User Impact:

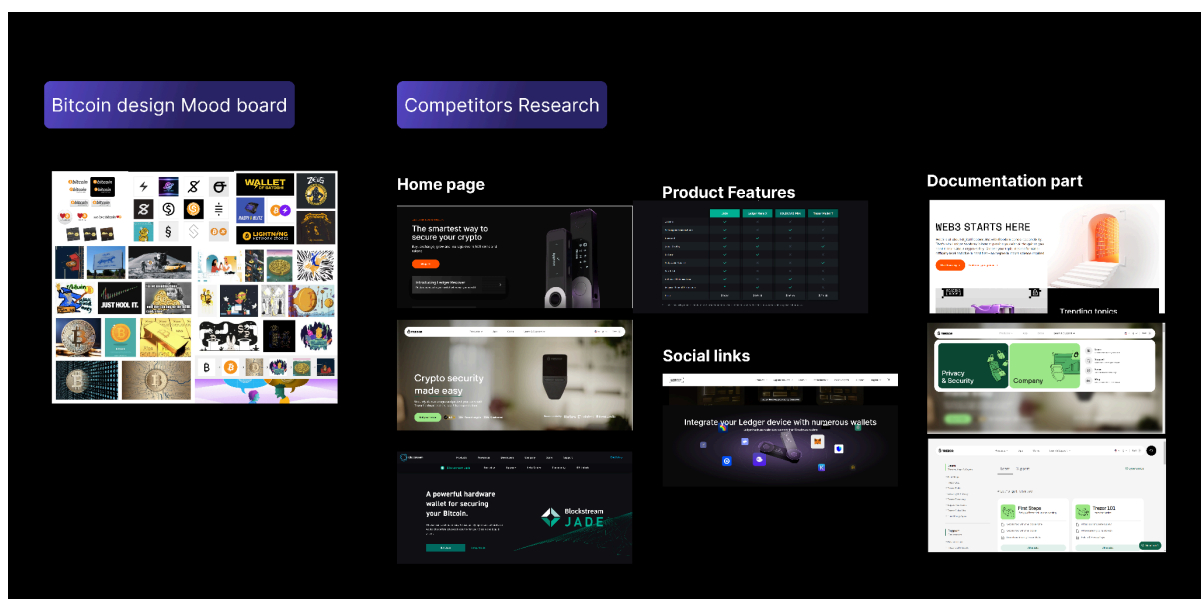
1. **Boosted User Confidence:** Users will feel assured in the security and reliability of downloading and using the EGG.
2. **Interactive User Engagement:** Engaging tutorials and games will encourage active use and exploration of wallet management features.
3. **Simplified Navigation:** An intuitive interface will facilitate easy access to the features needed to manage and secure Bitcoin wallet seed phrases.
4. **Accessible Documentation:** Organized and clear documentation will make technical information more approachable for all users.

Brand guide

While reviewing the Border Wallet website, it would be ignorant not to take a **rebranding initiative**. The rebranding will not only stabilize the company and its online presence but will also facilitate the definition and implementation of essential design elements and graphics within the website's user interface.

Assumptions – *The current study shows that the website does not adequately convey Border Wallets' current branding. As such, the majority of our assumptions about the brand guidelines come from benchmarking against competitor websites, which conform to industry norms. It is crucial to recognize that these presumptions might not accurately represent the founders' goals or vision.*

Learning from the best



Brand Personality -

1. **Trustworthy:** Instills confidence in its users by emphasizing security, dependability, and reliability.
2. **Innovative:** Exhibiting an optimistic and problem-solving mindset with new-gen technology.
3. **User-friendly:** Easily understood and accessible, even for individuals with limited technical expertise.

Tone of voice -

1. **Educative but Personable:** Offers concise, unambiguous explanations intended to both inform users about secure seed phrase management and establish a personal connection with them by recognizing their goals and worries.
2. **Reassuring and Supportive:** Communicates in a warm, reassuring manner, ensuring users feel supported and confident in their ability to manage cryptocurrency securely.
3. **Friendly Professionalism:** Users should feel as though they are part of a community that respects and encourages their journeys with cryptocurrency management, all while maintaining a professional tone.

Principles-

Security: A dedication to offering users' digital assets the best possible protection.

Transparency: Being forthright and truthful about the features and security safeguards it offers.

Simplicity: A commitment to facilitating the comprehension and accessibility of intricate security measures.

Innovation: The process of constantly advancing and adjusting to new security risks and technological advancements.

Creative Direction-

Visual Simplicity: Clear, simple design cues that highlight how simple and intuitive it is to use the tool. Use of simple user flow with proper direction. Simple graphical components and copywriting.

Consistent Imagery: The use of dependable, high-quality images—that promote security and trust. Use of techy images, patterns and icons that speaks of high quality and reliability.

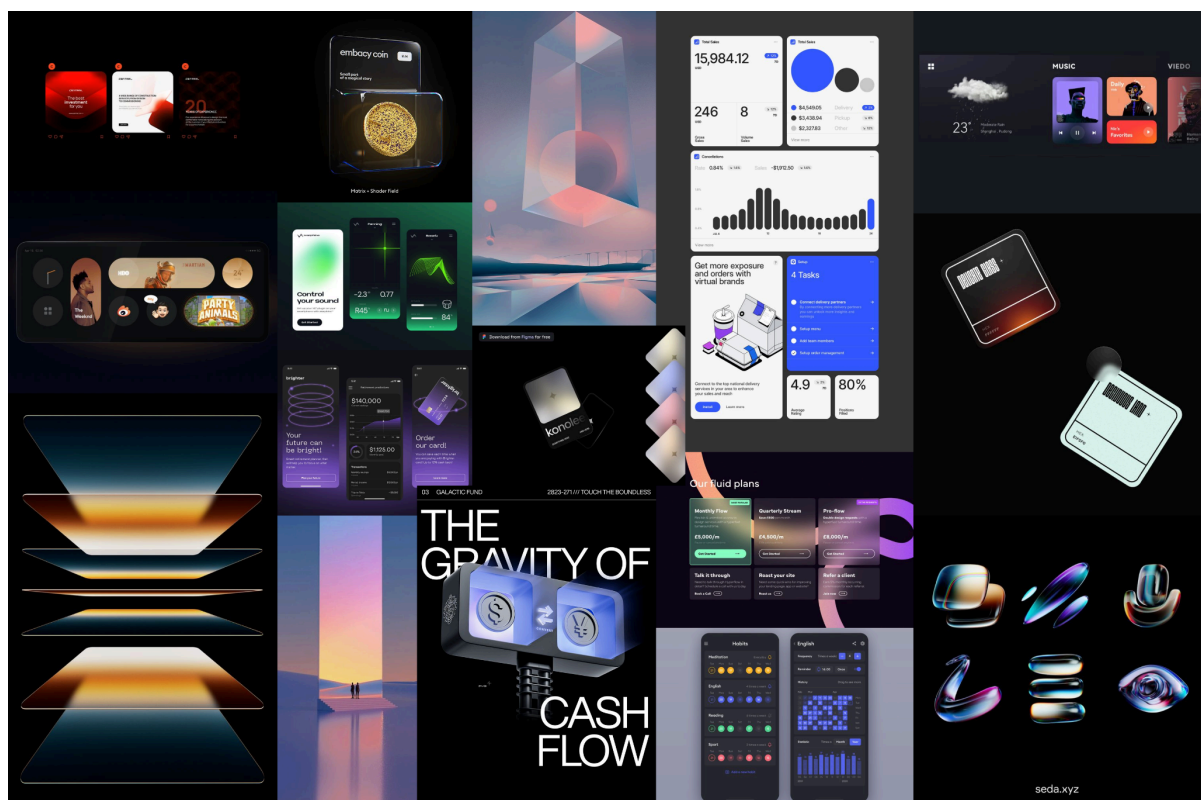
Interactive features or animations: that provide a visual explanation of how seed phrase security and encryption operate are considered engaging graphics.

Style Guide & UI Kit

A design style guide is a comprehensive manual that details the visual elements of a product or brand. By setting standards for colors, typography, layout, and imagery, we ensure consistency across all user interfaces, thereby maintaining a cohesive brand identity and enhancing the user experience. Additionally, we will examine the brand strategy, voice, tone, and personality of Border Wallet to determine what is required at this stage. The broader branding project may be considered as part of the future scope.

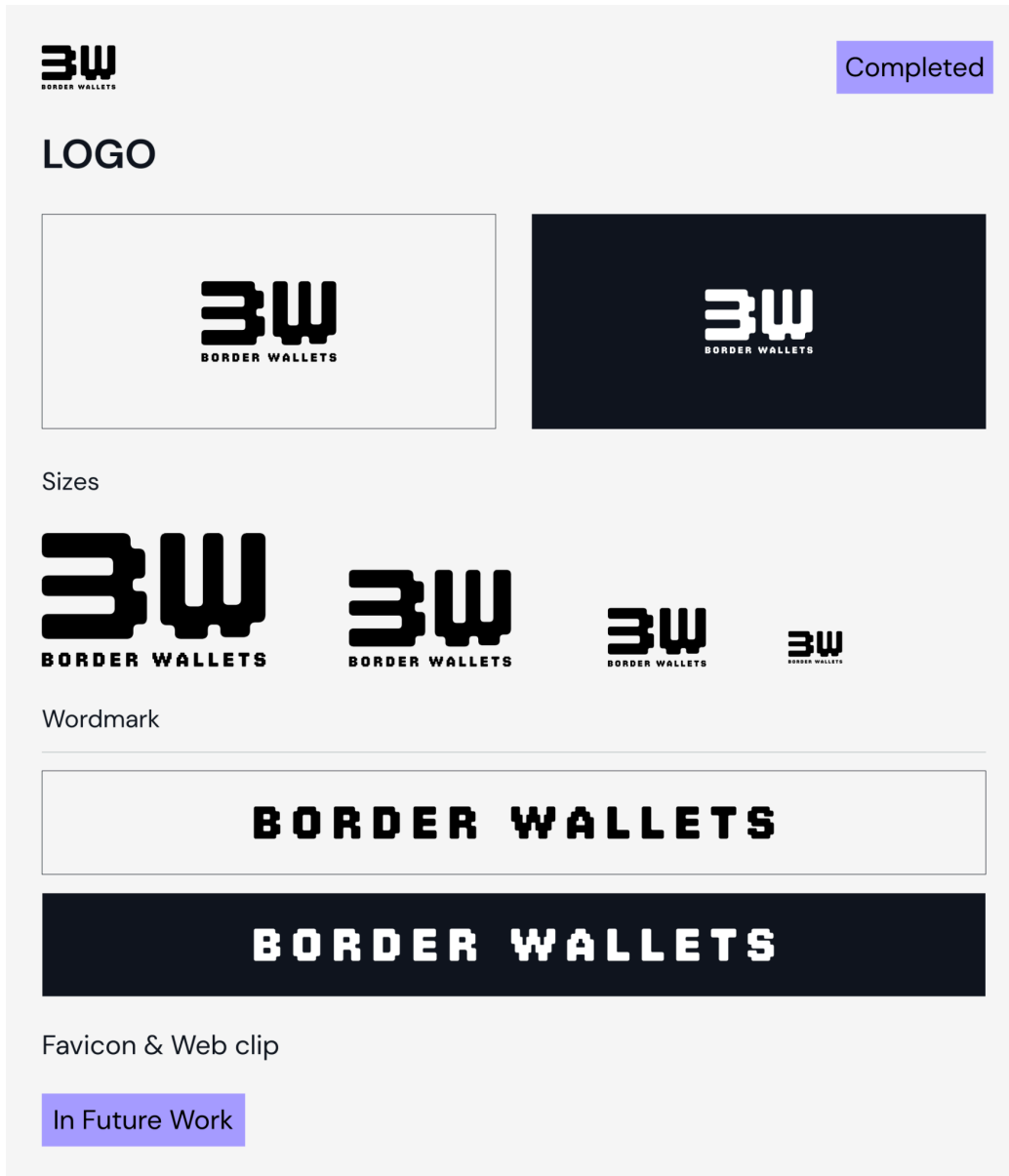
Here is a glimpse of the style guide created for the border wallet. Please visit [Style guide_Border Wallets](#)

Setting the design Atmosphere



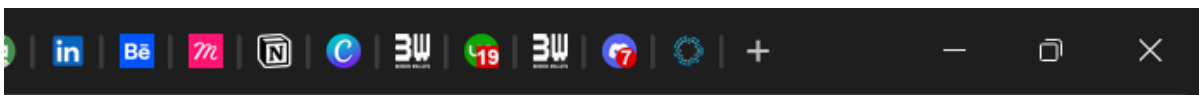
Mood Board & Design Inspirations

Logo Type



The logotypes feature different types of logos and wordmarks, and their different sizes of use. As border wallets don't have a specific favicon. Designing a dedicated favicon has been put in the future works.

Need-



TYPOGRAPHY

Nn

Primary Typeface

Poppins
Google Fonts

Nn

Secondary Typeface

Montserrat
Google Fonts

Desktop

H0 **Display**

Poppins / Bold / 130 px

H1 **HEADER 1**

Poppins / Medium / 64 px

H2 **Header 2**

Poppins / Regular / 58 px

H3 **Header 3**

Poppins / Regular / 44 px /

H4 **Header 4**

Poppins / Regular / 36 px

H5 **Header 5**

Montserrat / Regular / 30 px

H6 **Header 6**

Montserrat / Light / 18 px

P **Paragraph**

Montserrat / Normal / 24 px

BTN **Button**

Poppins / Regular / 24 px

Tablet & Mobile

H0 **Display**

Poppins / Semi Bold / 64px

H1 **HEADER 1**

Poppins / Semi Bold / 38 px

H2 **Header 2**

Poppins / Regular / 34 px

H3 **Header 3**

Poppins / Regular / 30 px

H4 **Header 4**

Poppins / Regular / 24 px

H5 **Header 5**

Poppins / Regular / 22 px

H6 **Header 6**

Poppins / Light / 10 px

P **Paragraph**

Montserrat / Normal / 16 px

BTN **Button**

Poppins / Medium / 20 px

Hey! 🙋 I'm Deeksha.

I am a **Product Designer** @Borderwallet. We aspire to give you the best of experience and smoothest of all the products.

I am a passionate product designer deeply immersed in the world of technology. My goal is to evolve into a pivotal figure in the tech industry, continuously aligning with and contributing to cutting-edge technological solutions.



Completed

COLOR

Space tech
584ACB

Bitcoin
F7931A

Black
111111

White
FAFAFA

Variants

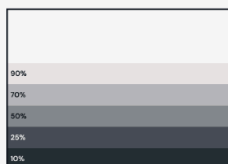
Space Variants



Black Variants



White Variants



Gray Variants



System Colors

Success



Danger



Bitcoin Elements



Supplemental Colors

Purple
7E64EC


Light Purple
C0B1FF

Pink
EC6367

Light Pink
F6A6A8

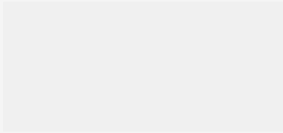


Bitcoin's primary color inspired border wallets' existing color. BW must have a brand color of its own, so its important that border wallet to have a color identity of its own. Bitcoin's color can be as a tertiary color is overall branding.

4imagery

In progress

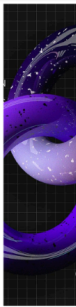

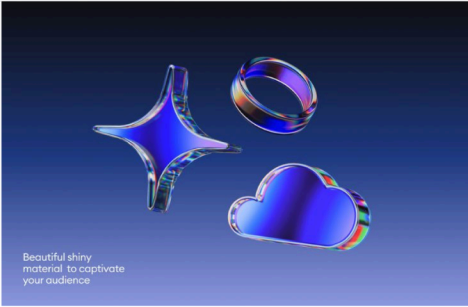
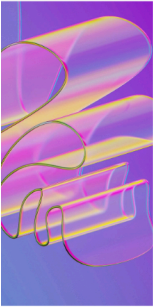
IMAGERY & STYLE


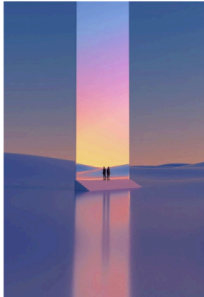

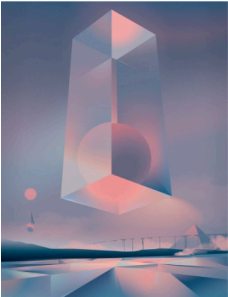
Elevation



Line Weight





Border Radius





5Elements_1


GRID SYSTEM

| | | | |
|---|--|--|---|
| <p>DESKTOP HD</p>  <p>Grid options</p> <p>Frame: Desktop 1440</p> <p>Number of columns: 12</p> <p>Column width: 65 px</p> <p>Gutter width: 30 px</p> | <p>DESKTOP</p>  <p>Grid options</p> <p>Frame: Desktop 1024</p> <p>Number of columns: 12</p> <p>Column width: 50 px</p> <p>Gutter width: 30 px</p> | <p>TABLET</p>  <p>Grid Options</p> <p>Frame: Tablet 768</p> <p>Number of columns: 6</p> <p>Column width: 88 px</p> <p>Gutter width: 30 px</p> | <p>MOBILE</p>  <p>Grid Options</p> <p>Frame: Mobile 320</p> <p>Number of columns: 2</p> <p>Column width: 130 px</p> <p>Gutter width: 30 px</p> |
|---|--|--|---|

FAQS

- 01 Aren't "brain wallets" a bad idea? →
- 01 Aren't "brain wallets" a bad idea? →

CARDS




featured

sparrow wallet v1.7.4: border wallets for memorizable seeds

Sparrow Is A Free And Open Source Desktop Bitcoin Wallet Focused On Privacy And Security.

by ez in releases — apr 4, 2023 [Read](#)




wallet

border wallets: a new way to create and easily memorize bitcoin seed phrases

- wartime microchad
- aug 6, 2022

[Read](#)




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[Read](#)

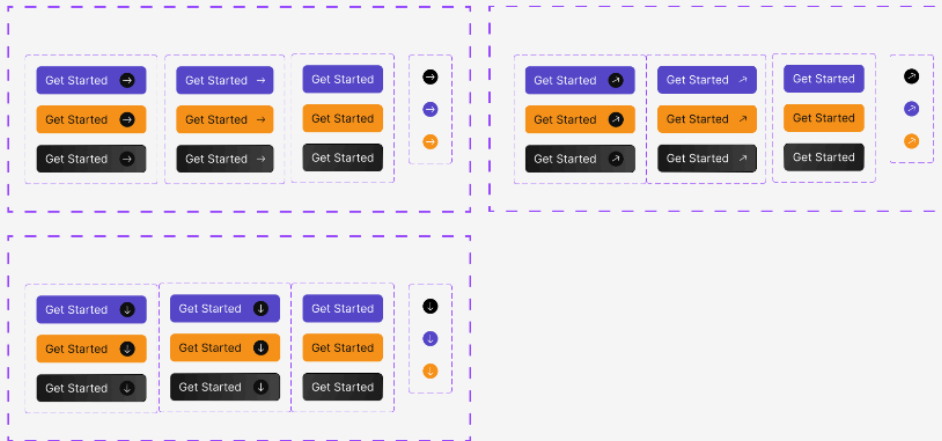
SPOTIFY & INDEX



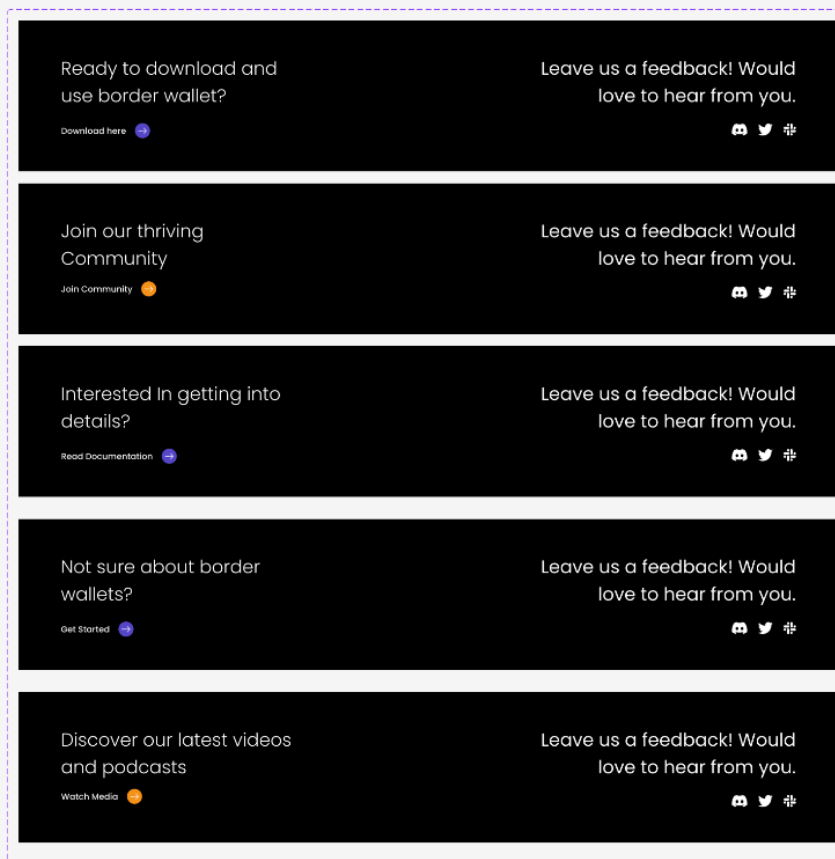


6Elements_2

BUTTONS



FOOTER



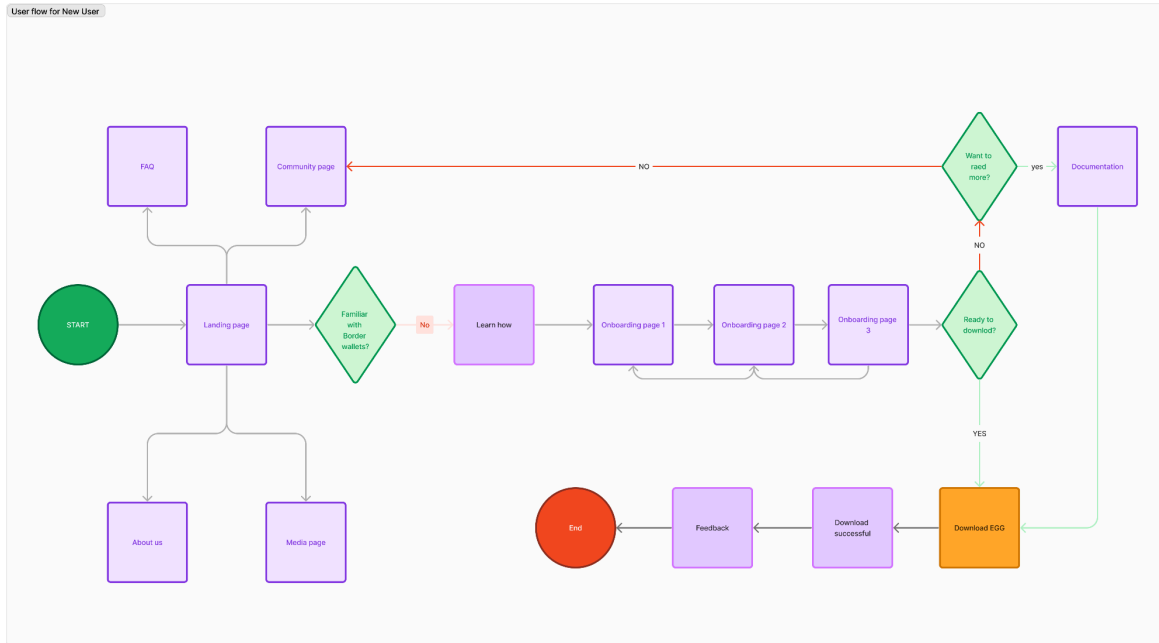
HEADER



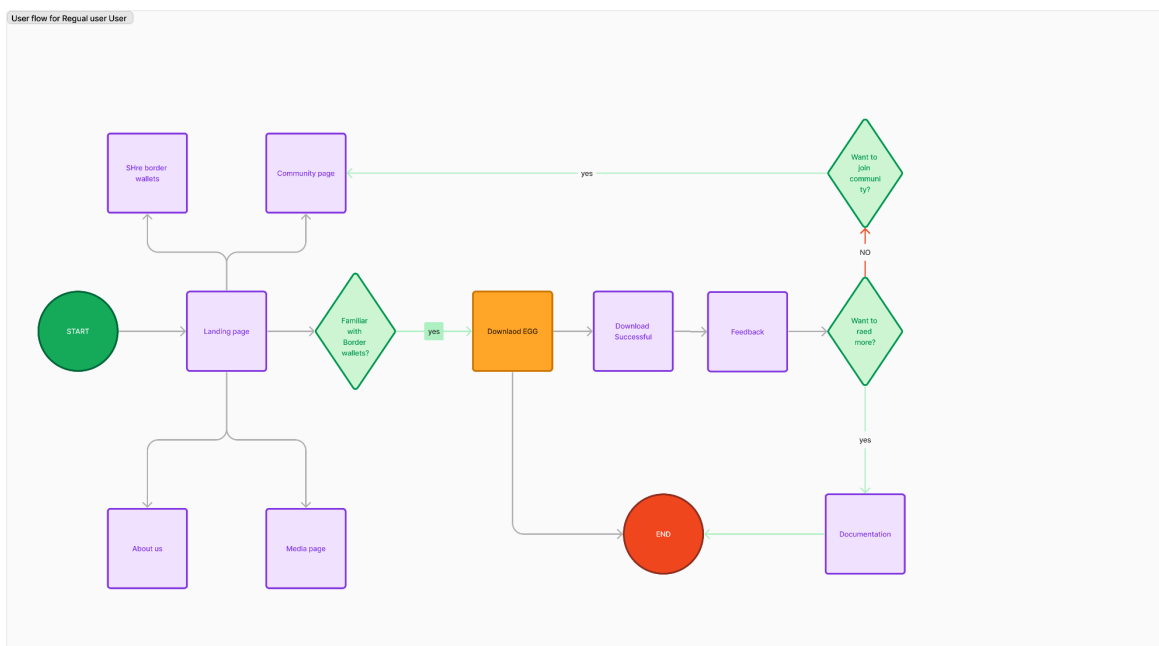
Revised website Architecture

Visit the redesigned user flow - [Redesigned userflow Borderwallets](#)

1. First time Visitor User



2. Frequent Visitor User flow



Features -

1. **Simplified Decision-Making:** Fewer decision points make for a more straightforward navigation experience
2. **Streamlined Onboarding Process:** Sequential onboarding pages guide the user through the system without overwhelming them with information. Onboarding pages have a bidirectional flow to them with direct access to the “documentation” pages.
3. **Clear Learning Pathways:** The flow offers clear options for users who wish to learn more, enhancing educational engagement.
4. **Direct Download Access:** Immediate access to download the EGG provides a frictionless start for experienced users.
5. **Direct Access to Share button**
6. **Encouraging Community engagement** - Users are provided with the choice of joining the community at different intervals of the entire journey.
7. **Focused Content Access:** Dedicated pathways to important informational content like the community page, media page, and documentation.
8. **Promotes Learning and Exploration:** “Want to learn...” decision points embedded throughout the flow encourage users to delve deeper into the Border Wallets’ features and usage.
9. **Download Progression:** The download process is clearly indicated with a progress bar and confirmation of successful completion message. The download page is simple and intuitive with versions available through dropdown box.
10. **Access to Help:** At every step, it ensures that there is an easily accessible help option for users who might get stuck or have questions.
11. **Feedback Loop:** Immediate feedback is asked after using the EGG. This helps to refine the user experience based on direct user input.
12. **Exit Points:** Users may need to exit the flow for various reasons. There are logical and convenient points where users can directly exit or access the download page.

Copywriting

The voice should have a friendly, comforting, and instructive tone. I have made sure that the copy emphasizes user-friendliness and community involvement while also communicating simplicity, trust, and expertise.

Examples of some Re-defined words

| | |
|-------------------------|---|
| Encrypt | Secure (Retains the technical accuracy but sounds less intimidating) |
| Seed phrase | Recovery Phrase (commonly used alternative) |
| Grid | Pattern Grid (more descriptive) |
| Entropy | Randomness (simplifies the concept) |
| Download | Get Started (more action-oriented) |
| Wallet | Digital Wallet (more specific) |
| Memorize | Memorize |
| Protect | Safeguard (emphasizes security) |
| Backup | Secure Backup (emphasizes security) |
| Verify | Confirm (simpler and clear) |
| API | Integration Tools (if public, clarifies purpose) |
| Technical Documentation | Technical Documentation |
| User Interface | Navigation Panel (specific to what it does) |
| Customize | Personalize (more user-friendly) |
| Private Key | Private Access Key (clarifies function) |
| Public Key | Shared Access Key (clarifies function) |
| BIP39 compliant | Standard Secure Format, BIP39 Compliant (explains compliance in plain language) |
| Tutorial | Guide |
| Generate | Create (simple and effective) |

Examples of revised sentences in the website -

1. Design Your Personalized Border Wallet: Simple, Secure, Yours!
2. Join the Future
3. Here's a simplified three-step method designed to help new users easily understand what Border Wallets is and how to use it
4. Generate Your unique personalized Grid
5. Want to become a contributor? Read our detailed documentation
6. Be a part of our growth. We're flying solo with no financial wings. Love what we're doing? Feel a spark to contribute?

7. Leave us feedback! Would love to hear from you.
8. Take control of your bitcoins with border wallets
9. Share Border Wallets with your friends and family and make their seed phrase easy to remember.
10. Meet our creators!

All this copywriting has been implemented in the [high-fidelity prototype](#).

🕶️ UI redesign

This redesign aims to enhance user experience by improving usability, accessibility, and engagement, ensuring that both new and seasoned users can navigate and utilize the platform effectively.

The designs, laid out in the Figma file, reflect a meticulous approach where each choice—from color schemes to layout and typography—has been deliberately crafted to align with Border Wallets' brand identity and functional needs.

A detailed thought process accompanies each design decision, documented through comments within the Figma file itself.

[High-fidelity prototype border wallets](#)

1. Home Page

- Dedicated hero area with welcoming and self-explanatory texts
- Properly defined header
- Visible Simplified CTA buttons
- Defined social proof
- Well-defined Feature section with human touch.

BORDER WALLETS

Introducing a new way to
quickly and reliably **memorize**
Bitcoin seed phrases.

Get Started →

Download EGG 📄

100M +
Downloads

★★★★★ Developer's Choice

🌙 Dark Mode

Step into Personalized Security: Design Your
Personalized Border Wallet: Simple, Secure, Yours!



Stay Offline

Use our offline tool, the Entropy Grid Generator (or 'EGG'), to create a secure grid of approved seed words. Pick a pattern or coordinates known only to you, and your wallet is set!

Share Border Wallets →



Instantly Memorize Your Wallet!

With our method, remembering 12 to 24 random words becomes simple using patterns you create.



Full-Featured Tools at Your Fingertips

Create different types of grids, regenerate them reliably, encrypt for safety, and even determine your seed phrase's final word.

Ready to make your
own seed phrase?

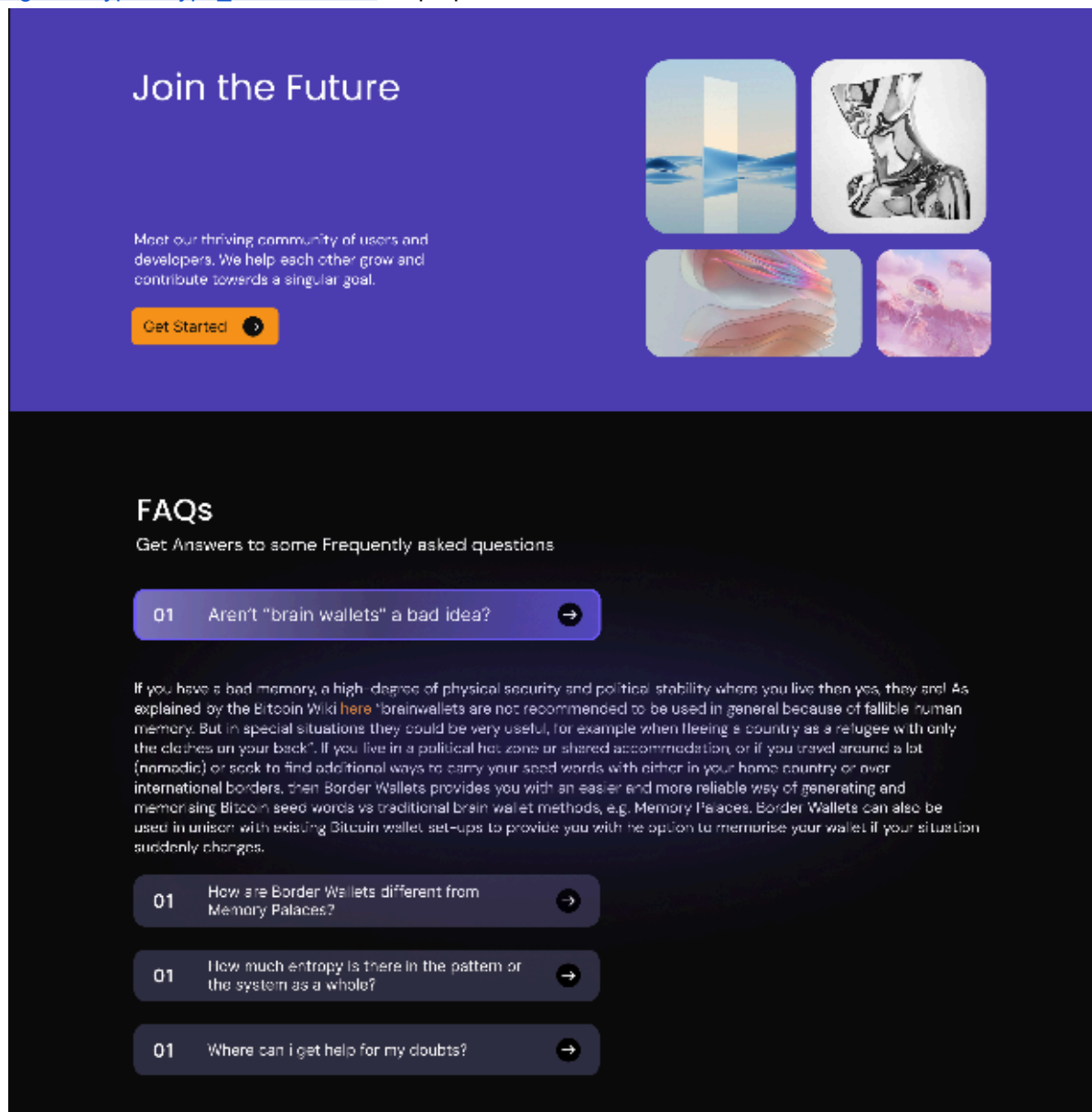
Watch our step-by-step video to see just how easy it is to create your own seed phrase using the Entropy (randomness) Grid Generator

Watch Video



2. Dedicated FAQ Section.

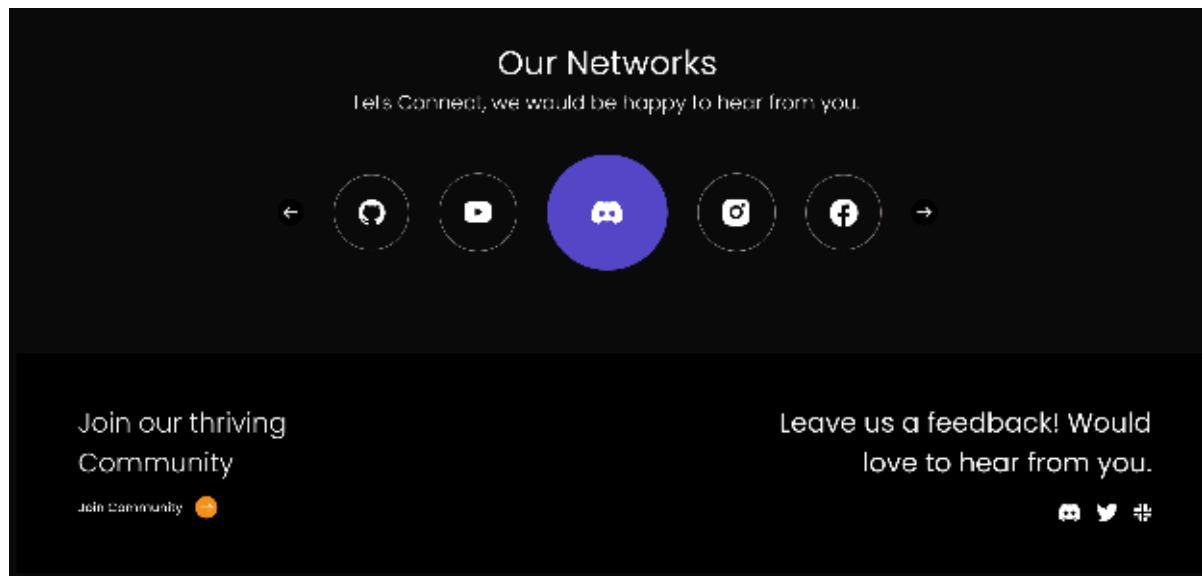
The pictures are low in quality due to google docs quality configuration. Please visit [Highfidelityprototype_borderwallets](#) for proper view.



3. Community page & Footer

- Dedicated banner for joining the community
- All social links provided
- Well designed footer with CTA buttons
- Interactive visuals

The pictures are low in quality due to google docs quality configuration. Please visit [Highfidelityprototype_borderwallets](#) for proper view.



4. Onboarding pages

- Divided into 3 varying section for smaller reads and to give the user a proper focused answer to a specific question.
- The onboarding pages are hierarchically ranked according to the sequence of questions that come to a user's mind while approaching a new concept
- Interactive Visual elements used to keep the user occupied
- Bidirectional flow designed to give the user full freedom of navigation
- "Knowledge bar" designed below the page to encourage users to read the next steps.
- End of the onboarding page users are given choices to continue their flow from that point - go to documentation, join community, download EGG

Snippets of Onboarding page -

[Community](#)
[Home](#)
[Media](#)
[FAQ](#)
[About Us](#)
[Documentation](#)

Welcome to Border Wallet!

Here's a simplified three-step method designed to help new users easily understand what Border Wallets is and how to use it.

What is Border Wallets?

Border Wallets utilizes a unique seed phrase encryption technique that enhances the security and memorability of your Bitcoin seed phrases. Using our specially designed Entropy Grid Generator (EGG), the generator generates a unique word grid just for you. You can create highly secure and personal seed phrases through a user-friendly, offline application by creating a pattern that only you know.

Why use Border Wallets?

With Border Wallets, you gain the power to protect your cryptocurrency assets in a way that balances security with simplicity. Our tool leverages the Picture Superiority Effect, making it easier for you to remember your seed phrase through visual patterns that you create and understand.

Key Benefits:

- Enhanced Security: Operates offline to reduce vulnerabilities.
- Personalized Encryption: Generates a unique grid of seed words for each user.
- User-Friendly: Designed for easy use, regardless of your technical background.

Additional Features:

Advanced Functionality: Beyond basic grid generation, Border Wallets offers a suite of tools to further secure and manage your digital assets:

- Deterministic Regeneration: Regenerate the same grid consistently if needed, using your unique user input.
- Digital Encryption: Encrypt your grid for safe digital storage, ensuring that only you can access it.
- Seed Phrase Completion: Automatically calculate the final word of your seed phrase for complete setup.

[Go back](#)

Confidence level: 33.3%

[Go to step 2](#)

Where to use Border Wallets?

Want to learn more? visit our documentation.

[Documentation](#)

Leave us a feedback! Would love to hear from you.

[Feedback](#)

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Step 2: How to use it?

Step 1

Download the Tool

Get Started: Visit our website and download the Border Wallets Entropy Grid Generator, also known as EGG. This tool is designed to run offline for enhanced security, ensuring that your sensitive data never leaves your device.

Step 2

Generate Your Unique Grid

Create Your Grid: Once you've downloaded and launched the EGG, use it to generate a unique grid filled with 2048 BIP-39 compliant seed words. Each grid is entropically secured and randomized, meaning your grid will be completely different from anyone else's.

Step 3

Choose Your Pattern

Secure Your Seed: From your generated grid, select a memorable pattern or set of coordinates. This pattern will represent your seed phrase, which you'll use to access your Bitcoin. The pattern you choose should be something only you can recognize or remember, adding an extra layer of security.

[Go back](#)

Confidence level: 33.3%

[Go to step 3](#)

Where to use Border Wallets?

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[Documentation](#)

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Step 3: Where to use it?

Traveling with Cryptocurrency

Border Wallets secures your crypto on the go by letting you unlock and retrieve your seed phrases, eliminating the need to carry risky physical backups.

Long-Term Wealth Security:

Secure your family's future by creating a discreet, memorizable backup of your seed phrases with Border Wallets, safeguarding your assets across generations.

Multiple Account Management:

Manage multiple Bitcoin accounts effortlessly with Border Wallets, which lets you generate and remember unique outcomes for each account's security.

Everyday Security for Digital Assets:

Keep your crypto secure daily with Border Wallets' user-friendly solution that uses visual patterns to protect your seed phrases from loss or theft.

Disaster Recovery:

Quickly recover your assets after digital failure or disaster using Border Wallets' memorizable method for recovering your seed phrases.

Empower Your Cryptocurrency:

Experience Border Wallets' offers innovative solutions to enhance your crypto security and usability, empowering users from novices to experts.

[Go back](#)

Confidence level: 33.3%

Read the next topic?
Regeneration and Recovery

You are all ready!

Download the wallet below

[Download Wallet](#)

want to become a contributor?

Read our detailed documentation.

[Documentation](#)

Be a part of our growth

We're flying solo with no financial wings. Love what we're doing? Feel a spark to contribute?

[Donate here](#)

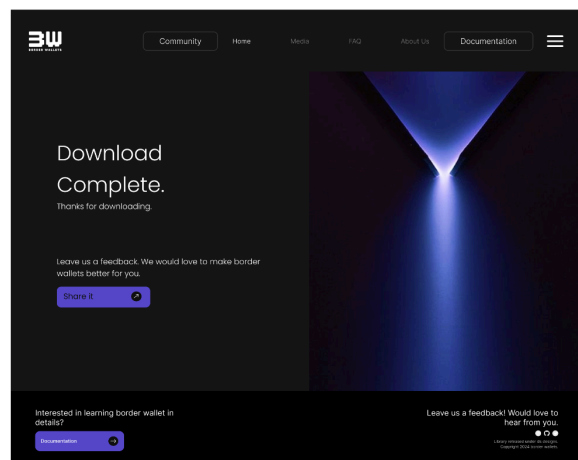
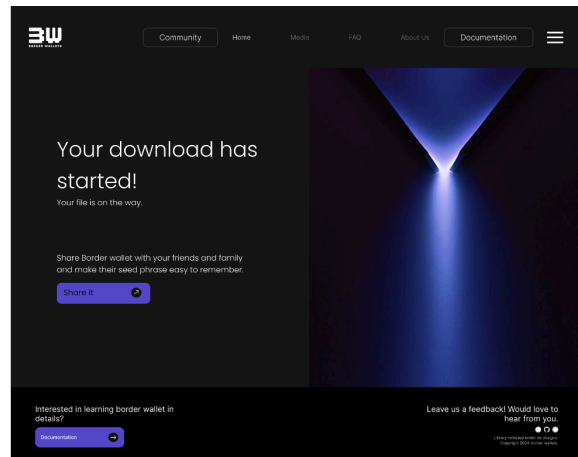
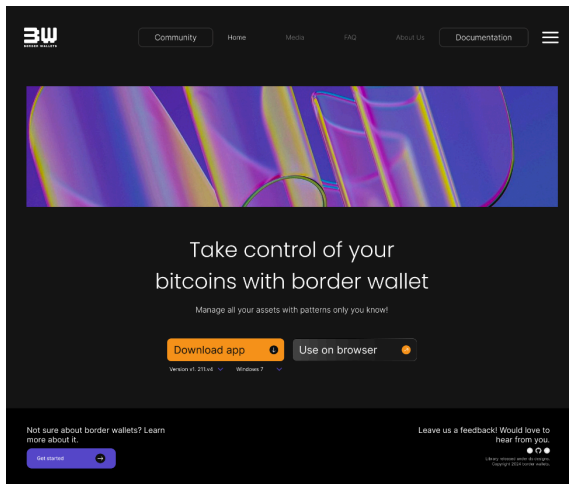
Join our thriving community of like-minded people.

[Join Community](#)

Leave us a feedback! Would love to hear from you.

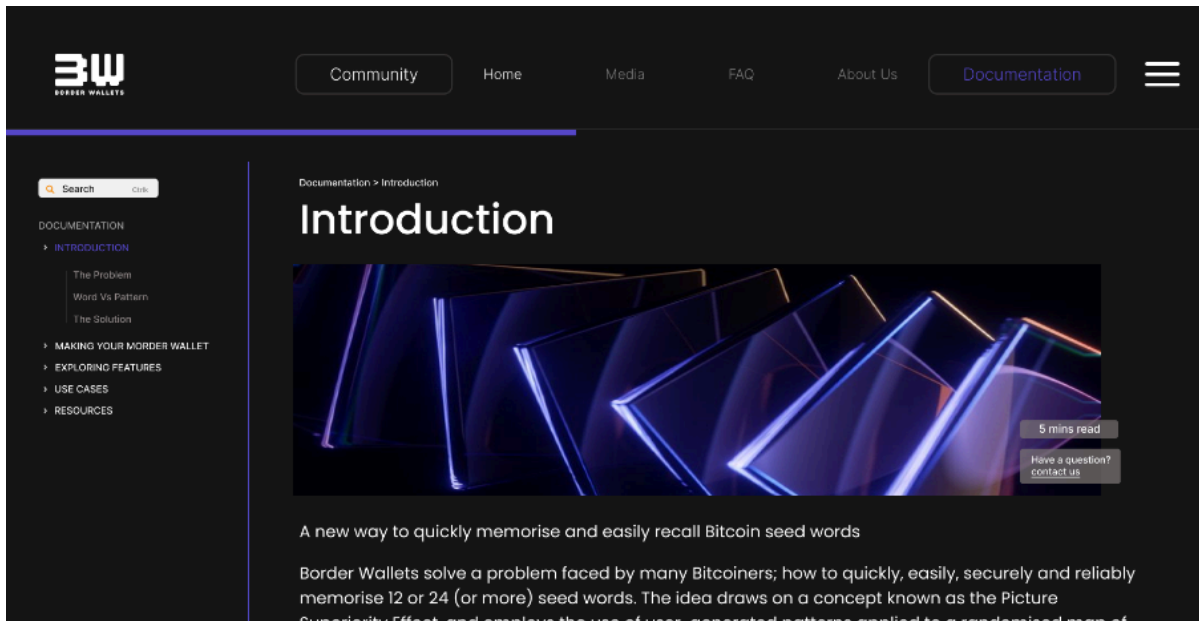
[Feedback](#)

5. Download pages



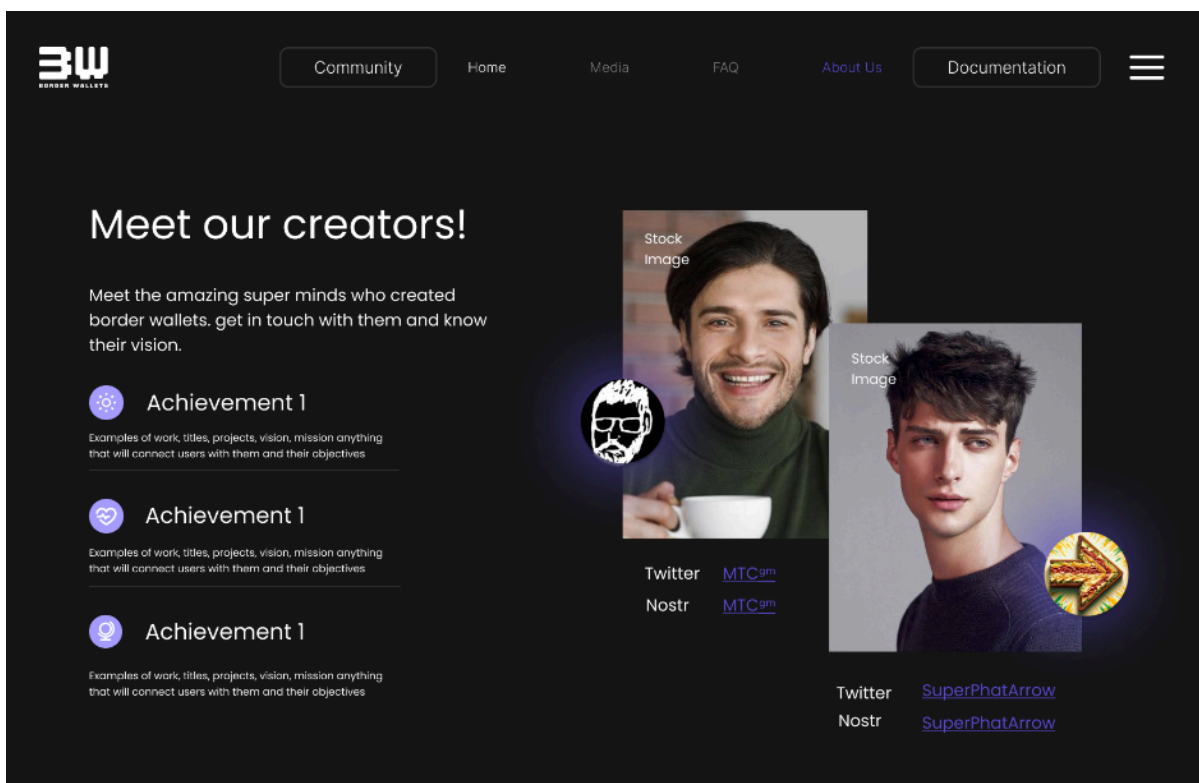
6. Documentation Pages

- Indexing of pages is done.
- Free movement of user
- Read timer provided for every page
- Search function available where you search for a specific keyword in the titles.



7. About Us page

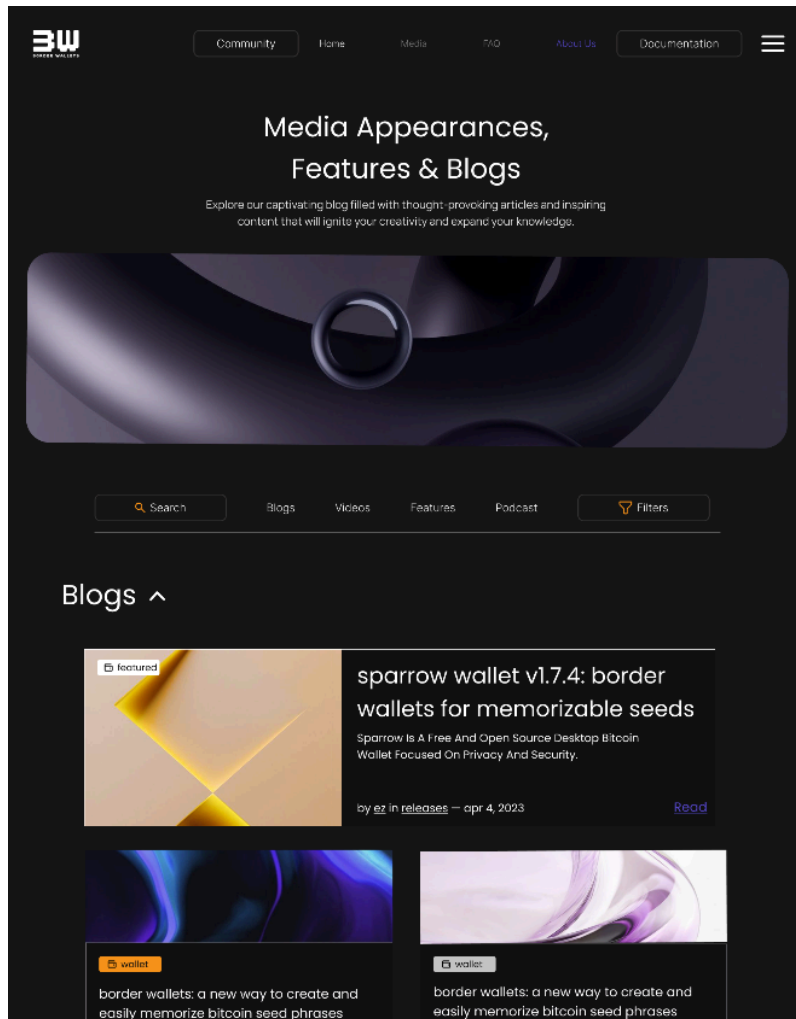
- Proper introduction of the founders
- Clearly stating the contribution channels
- Interactive Visuals



8. Media Page

- Segmentation of each media channel

- Featured media on top.
- Each media element has tags attached to it which can be sorted out through the filter.



9. Feedback Page In Progress

5. Timeline

Project Plan for Border Wallets

1. Phase 0 (Until April 30th):

Preparation and Research

Objective: Gain a thorough understanding of the cryptocurrency wallet landscape, specifically focusing on seed phrase management and encryption.

Activities:

Review and analyze current resources related to cryptocurrency wallet security.

Study existing wallet applications to understand prevalent design patterns and user experiences.

2. Phase 1 (June 1 – June 15):

Project Initiation and Strategy Alignment

Objective: Lay the groundwork for the project's design and development framework and align with strategic goals.

Activities:

Plan the project's timeline, milestones, and key deliverables.

Hold strategy sessions with mentors and stakeholders to align project goals and expectations.

3. Phase 2 (May 16 – July 2):

Design and Prototyping

- Week 1-2 (May 16 - May 30): Core Feature Analysis and User Research
Deep dive into the essential features of Border Wallets.
Conduct user research to gather insights on user needs and document potential usability pain points.
Begin sketching out solution frameworks to address identified user challenges.
- Week 3-4 (May 31 - June 14): Ideation and Information Architecture
Brainstorm design ideas and refine user flow strategies.
Develop a detailed Information Architecture to guide the user interface design.
Start crafting wireframes for the initial screens based on the refined architecture.
- Week 5-6 (June 15 - June 29): UI Design Implementation
Finalize and implement UI design, focusing on typography, color schemes, and visual identity.
Design engaging onboarding screens to ensure user retention and effective use of the application.
Prioritize the design of the home screen and settings to ensure seamless wallet setup and management.
Mid-term Evaluations (July 3 - July 7)

4. Phase 3 (July 8 – August 15):

Advanced Development and Refinement

- Week 7-8 (July 8 - July 22): Advanced Features and Differentiation
Develop educational content and interactive elements to explain the concept of seed phrase security and wallet management.
Integrate unique features such as creating and managing encryption patterns effectively.
- Week 9-10 (July 22 - August 5): User Testing and Feedback Integration

Conduct comprehensive user testing sessions to identify usability issues and gather user feedback.

Refine and optimize the user interface based on feedback, focusing on transaction screens and the wallet restoration process.

- Week 11 (August 6 - August 13): Project Finalization and Launch Preparation
Enhance overall accessibility and usability of the application.
Make final adjustments based on the latest user feedback and prepare for project handover and launch.

6. Future Scope

1. Improving the Offline App's UX/UI and User Flow:

While accessing the offline application I found a lot of UX and UI changes that need to be implemented. Due to the limited scope of this proposal, i was not able to dig further into the offline application. But later it should really be taken into consideration to re-design it.

Goal: Boost the offline application's overall usability and interface to make it more instinctive and user-friendly.

Benefit: Improving user satisfaction, lowering learning curves, and possibly raising adoption rates are all achieved by optimizing the user flow and interface. A more user-friendly interface guarantees that individuals use all technical.

2. Extending to Other Cryptocurrencies:

Goal: Increase Border Wallets' capacity to handle a range of cryptocurrencies in addition to Bitcoin.

Benefit: By expanding, this business would serve a larger user base and address the increasing diversity of the cryptocurrency market. Making the website multi-currency compatible will increase the platform's adaptability and appeal to a larger user base.

3. Developing a Mobile Interface:

Goal: Provide a mobile-specific interface that enables users to keep track of their seed phrases while they're on the go.

Benefit: Users will be able to safely manage their assets from any location thanks to the mobile version's improved accessibility and convenience. This is especially important since people are using their phones more and more and want more control over how their digital wallets are managed.

4. Comprehensive Branding with an Emphasis on Redesigning the Logo:

Goal: Launch a thorough branding campaign, with a special emphasis on updating the logo to more accurately reflect the cutting-edge, safe, and contemporary qualities of Border Wallets.

Benefit: Robust branding will improve user confidence and the platform's market presence in addition to enhancing its visual identity. A modernized logo can reach a wider audience and more effectively convey the brand's essential principles.

5. Development of UI Kits (extensive components):

Goal: Provide a comprehensive set of reusable design elements and interface components for Border Wallets in the form of a UI kit.

Benefit: This will shorten the time it takes for new features to be released onto the market, guarantee consistency across the platform, and expedite future development. It also makes scalability and updates simpler.

Further Future Extent:

1. Integration with Hardware Wallets:

Goal: Support integration with widely used hardware wallets to improve seed phrase management security.

Benefit: By combining the cutting-edge seed phrase management of Border Wallets with the physical security of hardware wallets, users will be able to create an even more powerful security solution.

2. Establishing a Community and Educating Users:

Goal: Add webinars, tutorials, and interactive content to community forums and educational materials.

Benefit: By fostering a devoted user base and enhancing community engagement, we can help users better understand the significance of secure cryptocurrency management.

7. Summary

The goal of this proposal is to improve user experience by introducing a mobile interface and supporting multiple cryptocurrencies through a redesigned UI/UX for Border Wallets. Important projects include the creation of a thorough user interface kit and extensive branding, especially a redesign of the logo. In the future, Border Wallets hopes to establish itself as a pioneer in safe and intuitive cryptocurrency management by incorporating hardware wallet integration and offering community-driven educational resources.

