

# Web application MVP Project

## « Serenity Shield »

The screenshot displays the Serenity Shield web application. At the top left is the logo "SerenityShield". Below it, a large teal header reads "Plan Ahead. Protect Your Assets." with the subtext "Security, Privacy and Digital Rights for everyone." A teal button labeled "Connect my Wallet >" is present. The main content area shows a dashboard with sections for "All Personal Accounts" and "All Heir Accounts", each listing multiple accounts with icons and names like "NFTdog". To the right, there's a sidebar titled "My Heirs" showing a tree structure of heirs and a "Help" section. At the bottom, a row of six wallet and exchange logos (Phantom, Binance, Kephr, MetaMask, Coinbase, KuCoin) provides links to their integration pages.

**Phantom**  
A fantastic DEX wallet native to the Solana blockchain, the speed and stability of Phantom wallet is unmatched.  
[Download Phantom on iOS and Android](#)

**Binance**  
For those looking to protect access to their digital assets held on a centralized exchange, Binance is a trusted CEX.  
[Login to Binance](#)

**Kephr**  
Trusted interchain wallet that will help you interact with our secure dApp, all without leaving Serenity Shield's dashboard.  
[Install Kephr for Chrome](#)

**MetaMask**  
Perhaps the most popular and of all multi-chain DEX wallets, MetaMask allows for the flexibility of holding assets on many different blockchains.  
[Download MetaMask on iOS and Android](#)

**Coinbase**  
Coinbase is both a centralized exchange and a decentralized wallet solution, which gives a user the best of both worlds: CEX & DEX.  
[Log in to Coinbase](#)

**KuCoin**  
For those looking to protect access to their digital assets held on a centralized exchange, KuCoin is a popular and trusted CEX.  
[Login to KuCoin](#)

[Log in with your favorite CEX or DEX wallet >](#)

## *Table of contents*

1. Context.....	2
2. System Features & Interface.....	4
2.1. Navigation.....	5
2.2. Connect your Wallet .....	5
2.3. Home .....	8
2.4. Personal .....	22
2.5. Heir(s) .....	23
2.6. Heritage .....	24
2.7. My Account.....	25
2.8. Manage My Heir(s) .....	26
2.9. My Plan .....	33
3. Data Dictionary.....	34
3.1 users.....	34
3.2 Strongboxes .....	34
4. Conceptual data model:	
4.1 MCD .....	35

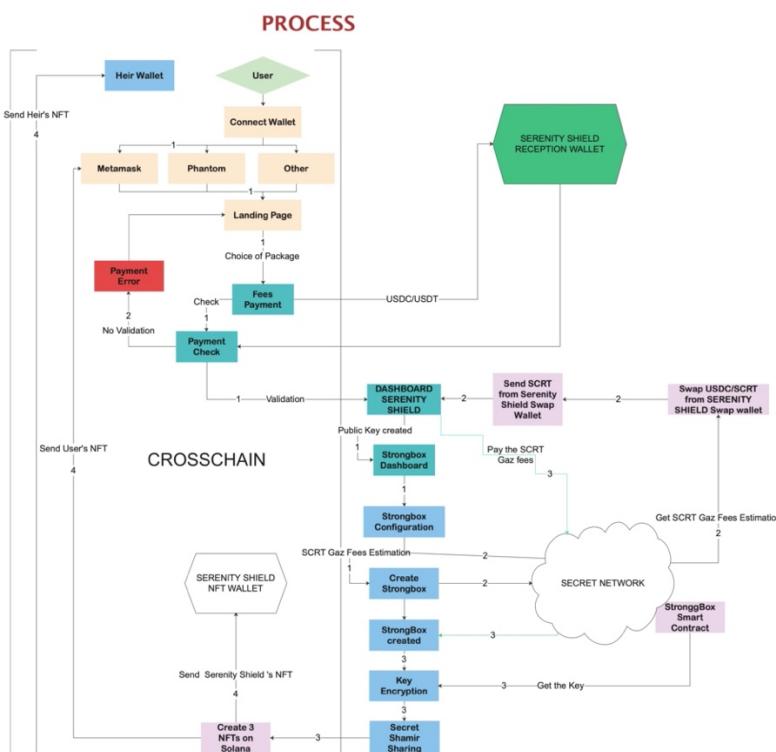
## 1. Context

The purpose of this document is to centralize the needs and solutions retained within the framework of the realization of a web application project based on the Solana blockchain which is aimed at our future customers, in order to secure their digital assets and be able to bequeath it to their heirs. Given the current monetary situation, securing digital assets is increasingly necessary. The creation of a suitable system facilitates the recovery of assets by people designated by our future customers.

The purpose of this “specifications – Serenity Shield” document will be to describe the needs and analyze the solutions.

**Objective in building the MVP** The objective in building this MVP was simple: to have a product that is technologically very advanced, yet easy to use and intuitive. Challenges in building the MVP The 1er challenge was the integration of Secret Network, an indispensable brick because it guarantees the opacity of the Smart Contract (in fact, normally, everything is transparent and accessible on the blockchain). In particular, the fact that, in order to use Secret Network, each future user of our solution must pay gas fees on this blockchain, and therefore must pay them from a wallet compatible with Secret Network (Torus or Keplr). The creation of such a wallet has been integrated into the customer journey in a simple and intuitive way directly on the Serenity Shield interface so as not to lose the customer. The second challenge was our desire to have a cross-chain solution, allowing the user to connect any wallet to Serenity Shield to purchase our solution (not necessarily a Solana wallet) and use our DApp. The other advantage of cross-chain is the transactions in the next private sales. Unlike in round 1, the investor will be able to pay and invest in our SERSH from any network. This is made possible by the automatic detection of the wallet address used and the orientation of the transactions on this basis. Finally, the 3ème challenge was to think of and pre-empt all possible security flaws, both in our solution and in Secret Network, and to preempt them. By setting up proprietary codes, developing our own libraries, and by setting up a large number of Chinese walls within the Tech team. Consequences and advantages We offer a highly secure solution that guarantees privacy. We simplify and streamline processes, breaking down established codes and business models previously compartmentalised by blockchain. We facilitate access to our solution, allowing the greatest number of people to secure access to their digital assets. All this is perfectly aligned and serves our vision & mission statement, translated into our baseline as : "Security, Privacy and Digital Rights for everyone".

MVP tech/process pathway



Without repeating what is clearly understood in the diagram, here are some points of clarification on the process:

- The framed part on the left is the cross-chain part, the other (right) is the Serenity Shield/Secret Network part.
- The user can connect almost any wallet to our interface (Metamask, Phantom, Binance, etc.); as a reminder our tech is on the Solana blockchain. - The user will be able to choose the package: a priori there will be 3 different packages, including a basic one which is very accessible from a financial point of view (a few dollars).
- Once the payment has been made (in USDC/USDT and received by Serenity Shield on its Reception Wallet), you enter the "Serenity Shield/Secret Network" section on the left.
- The user is told that, in order to create his StrongBox and Smart Contract which will be hosted on the Secret Network blockchain, gas fees will have to be paid. Although deducted from the package paid upstream, these gas fees must be paid via a Secret Network wallet (Torus or Keplr wallet).
- The user is then guided through the creation of this wallet (while not leaving the Serenity Shield interface thanks to a very intuitive user path, with information bubbles, greyed-out areas, etc.). If the user already has a wallet of this type, then they just need to plug it in at this stage of the process of course.
- The configuration of the StrongBox consists in entering all the information to be kept (passwords etc.) and selecting the desired "Inactivity Policy" (15 days, 6 months, 1 year, etc.). At the chosen frequency, the user will receive a notification from Serenity Shield to confirm his activity, and to confirm that he is "alive". If not, they will be called by our services, then their heirs, etc. A whole procedure is put in place until the heirs can effectively trigger the release of the Serenity Shield NFT, thus allowing access to the contents of the Smart Contract (they are then in possession of 2 out of 3 NFTs, which is the triggering rule).
- In the MVP, the form is well detailed and leaves a wide choice of possibilities.
- If the user wants to use Serenity Shield for transmission, then he has to create as many StrongBoxes as heirs (or pools of heirs), and to configure his StrongBoxes in the same way. Eventually, it will be possible to duplicate the information entered in the reference StrongBox (the 1st), for more practicality.
- Once the StrongBox(es) are created, a total amount of gas fees is calculated based on the number of StrongBoxes and especially the volume of data stored. These are estimated at \$1 or \$2 per StrongBox.
- This amount is then converted at the USDC/SCRT conversion rate at time T, thanks to a specific Serenity Shield swap wallet (the conversion is done by API, not by Serenity Shield directly, we don't handle financial assets ourselves/exchange tokens on note DApp).
- The newly converted SCRTs are sent by Serenity Shield to the user's Torus/Keplr wallet (of course, Serenity Shield does not "gift" them to the user, it deducts them from the fees paid when the Serenity Shield account was created and the package purchased). The user can then, via their Torus/Keplr wallet, pay their Secret Network fees.
- Its StrongBox(es) and, above all, its Smart Contract are then officially created. To distinguish the two, it is the Smart Contract that actually stores the data, whereas the StrongBox allows the data to be viewed but does not contain it as such (the StrongBox could be seen as a hologram of the Smart Contract's content).
- Serenity Shield then retrieves the Viewing Key from the newly created Smart Contract, encrypts it and splits it into 3 via Secret Shamir Sharing.
- Note that the encryption process takes place twice: encryption of the Viewing Key after creation of the Smart Contract (as seen above), but also encryption of the data to be stored in the Smart Contract, precisely in case Secret Network is hacked.
- The rest is simple: for each of the 3 parts of the Secret Shamir Sharing, an NFT is created. The 1st is sent to the user, the 2nd stored by Serenity Shield, and the 3rd sent to the heir.
- Eventually, the heir will have the possibility to be trained and accompanied (Serenity Shield services).

- Finally, there are 3 special cases that have been anticipated:

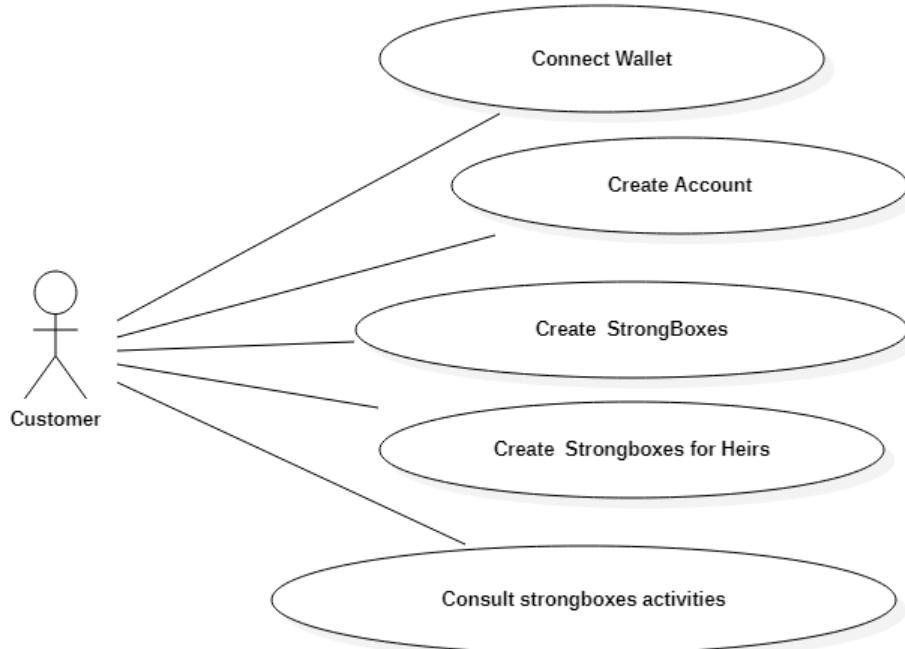
- o 1. Case where the heir does not have a wallet (if he is a 5 year old child for example): we ask the user to give us a wallet address different from the one he has connected to and on a different network before transmitting him the NFT of the heir on this one. A reminder will also be sent to the user reminding them to create a wallet for their heir so that they can pass on this NFT.
- o 2. If the heirs are not informed of the existence of the account: a warning system is set up for this purpose when the user dies. Similarly, the user must have provided an address other than the one with which he or she had connected to the database. In this case too, the heir's NFT is sent to another wallet than NFT #1. Please note: we give the user the possibility to transfer the NFT to another wallet (belonging to Serenity Shield and on another network) by making him accept the conditions of use. To prevent the death of the heir, we will not be able to recover the NFT necessary to open the Smart Contract.
- o 3. Case where the user and his heirs all die at the same time (car accident for example) : an option including the donation to a charity or not is proposed at the creation of the StrongBox in all cases.

## 2. System Features & Interfaces

The system functionalities represented in the use case diagram (Appendices 1) are as follows::

- Connect Wallet.
- Create Account.
- Create Strongboxes.
- Create Strongboxes for Heirs.

Annex 1 : Use Case Diagram



The actors retained are the following: the customers.

## 2.1. Navigation

The first level of navigation in the choice of users is as follows:

- ✓ Connect Wallet.

The second level of navigation in the user choices is as follows:

- ✓ Navigate through the different sections: Home
  - Strongbox Accounts
    - Personnal
    - Heir
    - Heritage
  - Settings
    - My Account
    - Manage my Heir(s)
    - My Subscription Plan

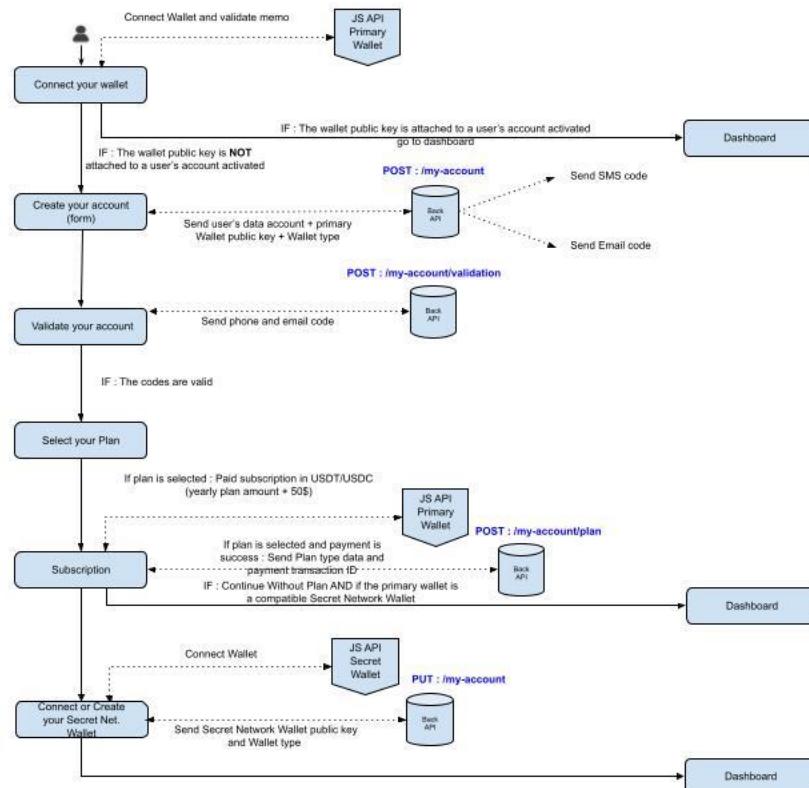
## 2.2. Connect your Wallet

The interface « **Connect Wallet** » (annex 3 The "Connect Wallet" interface (Appendix 3) is reserved for all customers", i.e. any individual who has been identified will be able to use this interface.

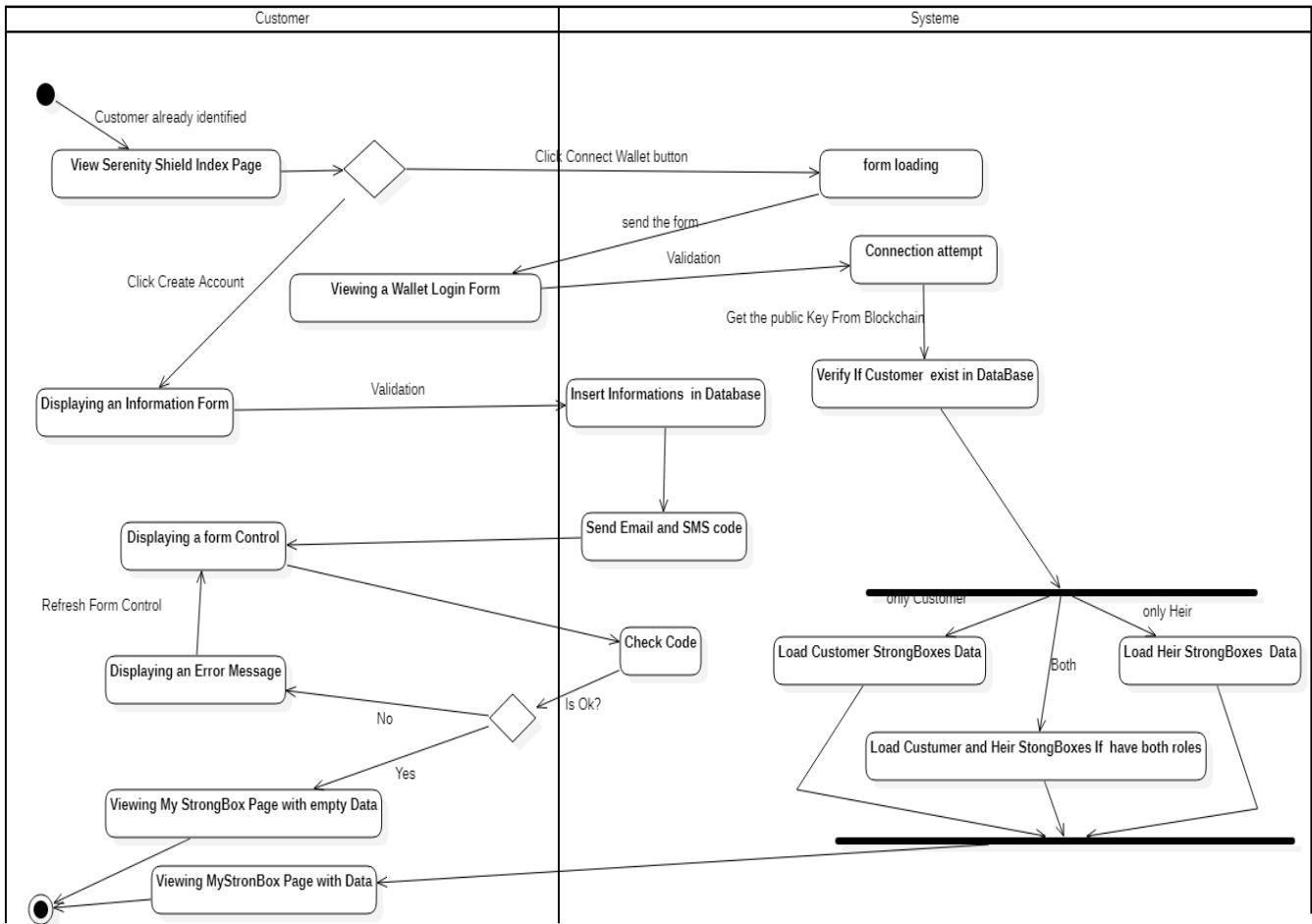
) is reserved for all customers", i.e. any individual who has been previously identified will be able to use this interface.

When the user has successfully connected their Wallet, they go to the Home page.

The diagram below shows the connection logic.



**Annex 2: "Connect your Wallet" activity diagram**



**Annex 3 : Interface « Connect Wallet »**



**Log in with your favorite DEX wallet.**

Please choose from our approved list of secure wallet providers.

My Wallet

Connect my Wallet

**Connection Use Case**

Here the Customer has the choice to connect his wallet or create an account.

***Standard Scenario 01 – The customer has his right Wallet key***

1. The customer manages to connect his Wallet without any problems and accesses the Home page.

***Standard Scenario 02 - The customer has his right Wallet key but a connection error***

1. The client enters his key but the system refuses him the connection then an error message is displayed, when closing the message the client returns to the index page and must start again.
2. After three attempts, we must be able to display a message asking him to contact us.

***Standard Scenario 03 - The customer has his right Wallet key but a connection error***

- ✓ Same procedure as a scenario 2.

***Standard Scenario 04 - The Customer Create a New Account***

1. The customer must fill in the fields that are proposed to him.
2. Upon receipt of the information the system sends him verification codes by Email and SMS.
3. The codes are correct, the Customer is directed to the Home page.

**Annex 4 : Interface « Create Account »**

**Serenity Shield create account**

Firstname

Lastname

Email

Phone Number

J'accepte les condition d'utilisateur

**Created account**

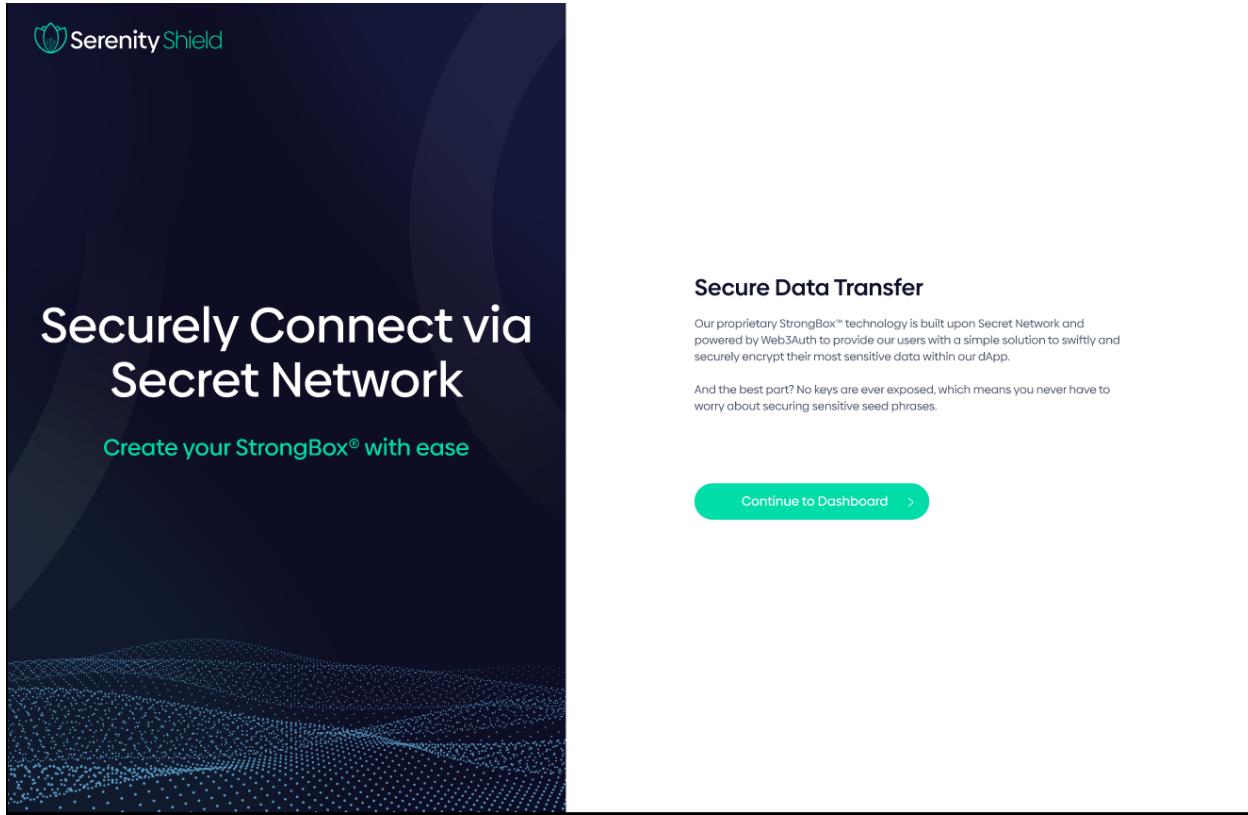
**Standard Scenario 05 - The Customer Create a New Account**

1. The customer must fill in the fields that are proposed to him.
2. Upon receipt of the information the system sends him verification codes by Email and SMS.
3. The verification is not conclusive, an information message offers him to fill in his codes.

Annex 5 : Interface « Create Account in Progress »

The screenshot shows the 'Serenity Shield create account' interface. On the left, there is a dark background with the Serenity Shield logo and a large, bold text 'Validate your account'. Below it, the text 'Mobile phone and E-mail verification' is displayed. On the right, the main form area has two sections for entering a PIN number. The first section is labeled 'Pin Number sended by E-mail' and contains four input fields for digits. A 'Resend Pin' button with a circular arrow icon is located to the right of the input fields. The second section is labeled 'Pin Number sended Mobile Number' and also contains four input fields for digits. A similar 'Resend Pin' button with a checkmark icon is located to its right. At the bottom of the form is a teal-colored button labeled 'Activate account'.

### Annex 5.1 : Interface « Secure Data Transfert »



### 2.3. Home

In the Home page we have the view of all the strongboxes that have been created

Every element of this interface is clickable.

At the click we will get a window with the detail of the chosen element.

## Annexe 6 : Custom interface « Home »

The screenshot shows the Serenity Shield 'Home' interface. On the left, a sidebar menu includes: Home, StrongBox® Accounts (with Personal, Heir, and Heritage options), Settings (My Account, Manage my Heir(s), My Subscription Plan), and a logo for 'Serenity Shield'. The main content area features a 'Welcome to Serenity Shield' header and a sub-header 'A New Era of Digital Protection.' Below this are two buttons: 'New Personal StrongBox®' and 'New StrongBox® for Heir(s)'. The central part of the screen displays two tables: 'All Personal Accounts' and 'All Heir(s) Accounts'. Each table has columns for Content Type, Label, and Display Name. The 'All Personal Accounts' table shows icons for NFTs Bag, NFTs Bag, and an arrow icon. The 'All Heir(s) Accounts' table shows icons for NFTs Bag, NFTs Bag, and an arrow icon. To the right, there is a 'My Heirs' section listing Helene Huguet (Customer) and Elisa Huguet (Customer), both with edit icons. Below that is an 'Account Activity' section listing Bitcoin, Ethereum, and Bitcoin Cash transactions, each with a date (18 Nov 2021). At the top right, a user profile for Vincent Huguet is shown with the number 635353636735343, and a 'Need help?' button with a video icon.

**"Home" Use Case**

**Standard Scenario 06 – Click on a row in All Personnal Accounts list.**

**Standard Scenario 07 – Click on a row in All Heir(s) Account list.**

1. The detail of the Strongbox is displayed in a window.

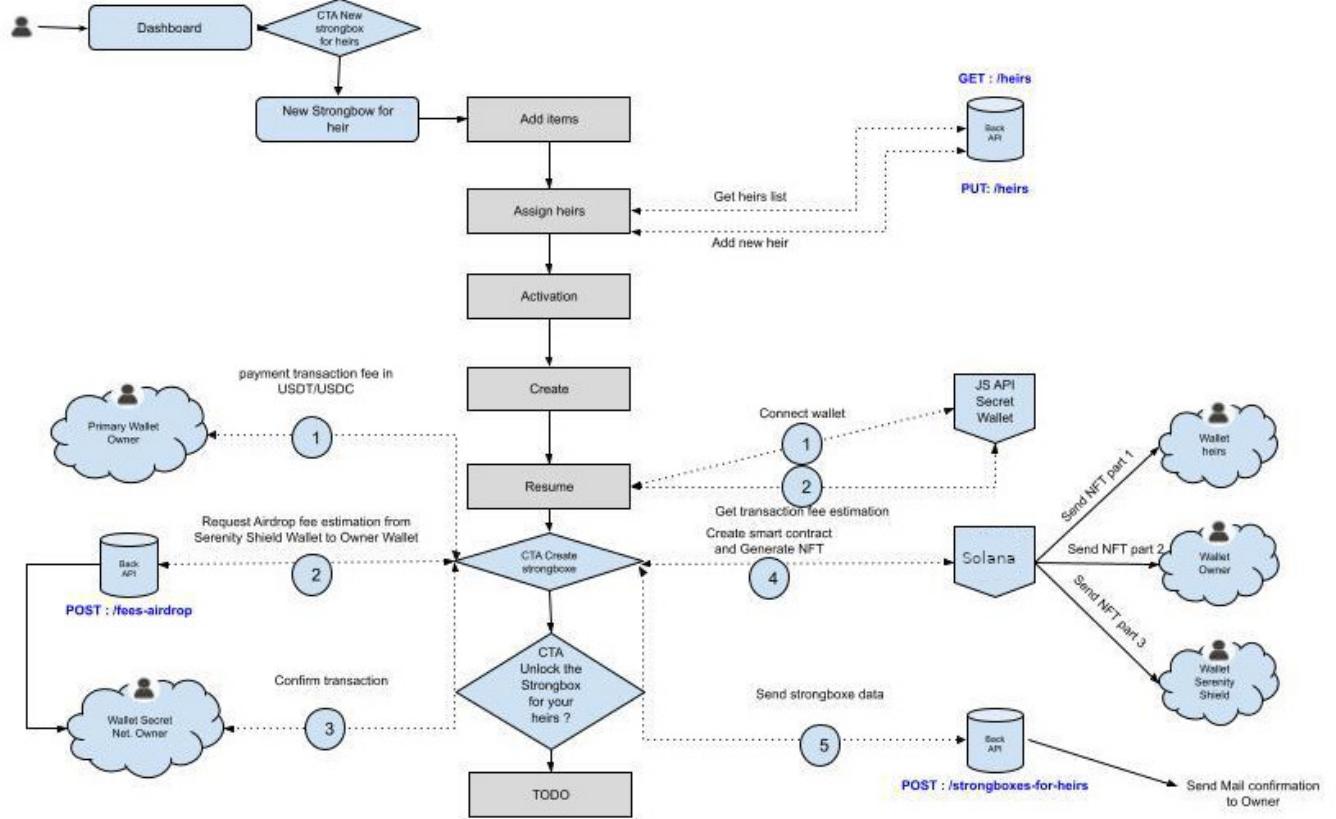
**Standard Scenario 08 - Click on a row in the my Heirs list.**

1. The detail of Heir is displayed in a window.

**Standard Scenario 09 - Click on the Add A Heir button.**

1. A window opens with fields to fill in.
2. After Validation of the fields the heir will be apparent in the list of Heirs of the Customer.

## Annex 7 : Interface « Create New Heir »



The screenshot shows a modal window titled "Create New heir". The title is in a large, bold, light blue font. Below the title, there is a short description in a smaller, gray font: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Gravida neque, fermentum feugiat ultrices." At the top right of the modal is a white "X" button.

The form contains five input fields:

- "Prénom" (First Name) - A text input field.
- "Nom" (Last Name) - A text input field with a blue border, indicating it is the active or selected field.
- "Adresse E-mail" (Email Address) - A text input field.
- "Phone" - A field containing a small icon of a phone and the text "+33" followed by a dropdown arrow.
- "Wallet Address" - A text input field with a small green circular icon containing an "i" (info) symbol to its right.

At the bottom of the form is a large, rounded teal button labeled "Create your Heir".

We have a "New Personnal Strongbox" button and a " New Strongbox for Heir(s)".

These buttons work in the same way, but the objects created are typed differently.

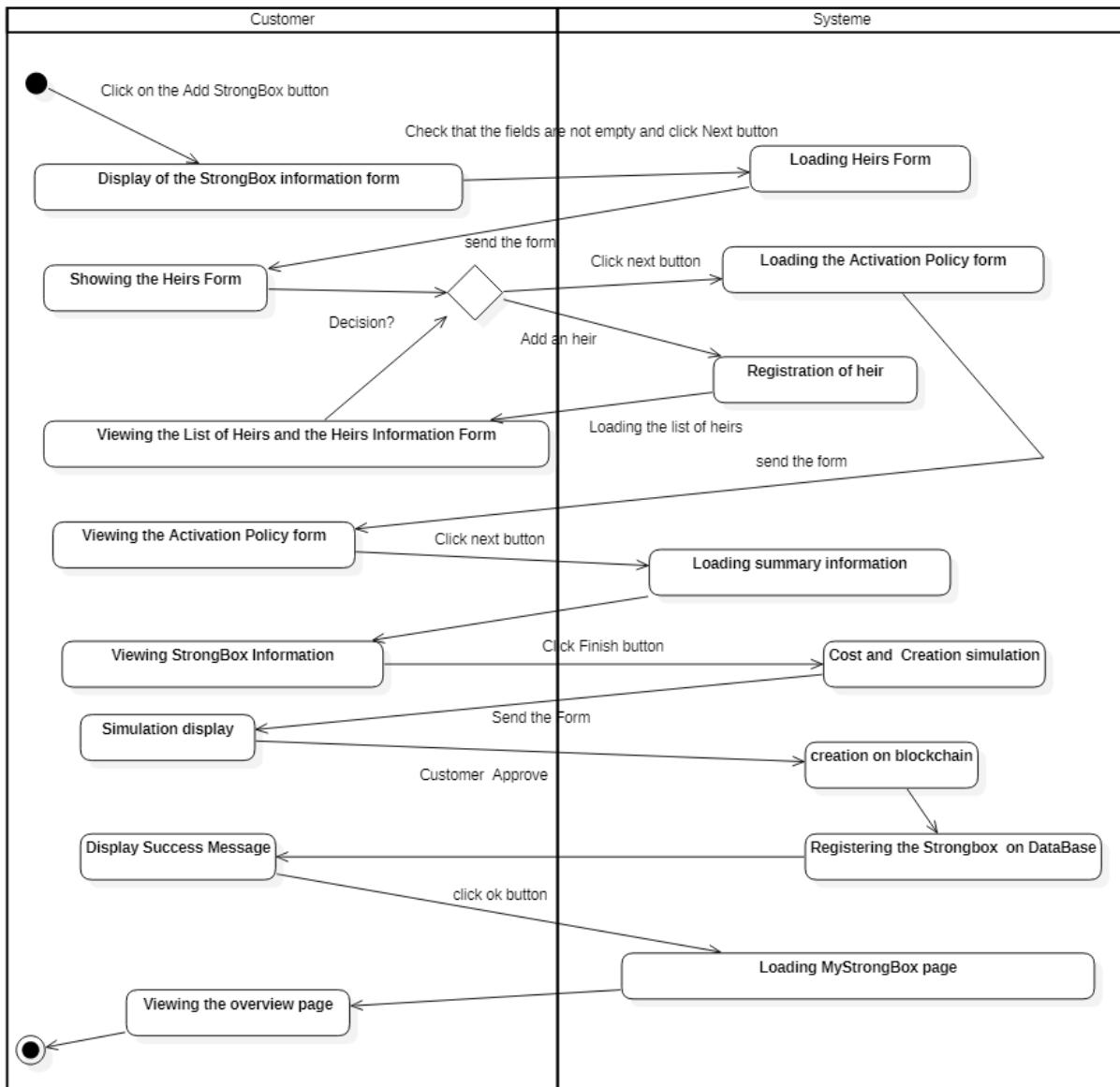
We take the most complex case as an example, the creation of strongbox for Heirs. NEED WALLET ADDRESS !

***Standard Scenario 10 - Click on the New Strongbox button.***

1. The customer will have to fill in all the fields.
2. The Process is carried out by a Wizard.

The diagram below explains the logic of creating the strongbox.

## Annex 8: &lt;&lt; Detailed diagram of the construction of the Strongbox &gt;&gt;



The process is done in 6 steps that we detail through activities.

Activity Step 1 Filling in StrongBox Information

Activity Step 2 Filling in Heirs Information

Activity Step 3 Activation Rules

Activity Step 4 Resume

Activity Step 5 Cost Estimate

Activity Step 6 Finish

## Annex 8 : &lt;&lt; Strongbox 's Interface &gt;&gt;

The screenshot shows the Serenity Shield Project interface. On the left, there's a sidebar with navigation links: Home, StrongBox® Accounts (Personal, Heir, Heritage), Settings (My Account, Manage my Heir(s), My Subscription Plan). The main area is titled "New StrongBox® for Heir(s)" and shows a progress bar with five steps: 1. StrongBox, 2. Assign Heir(s), 3. Inactivity Policy, 4. Create StrongBox®, and 5. Finish. Step 1 is highlighted. Below the progress bar, there's a section titled "StrongBox® Content" with a table:

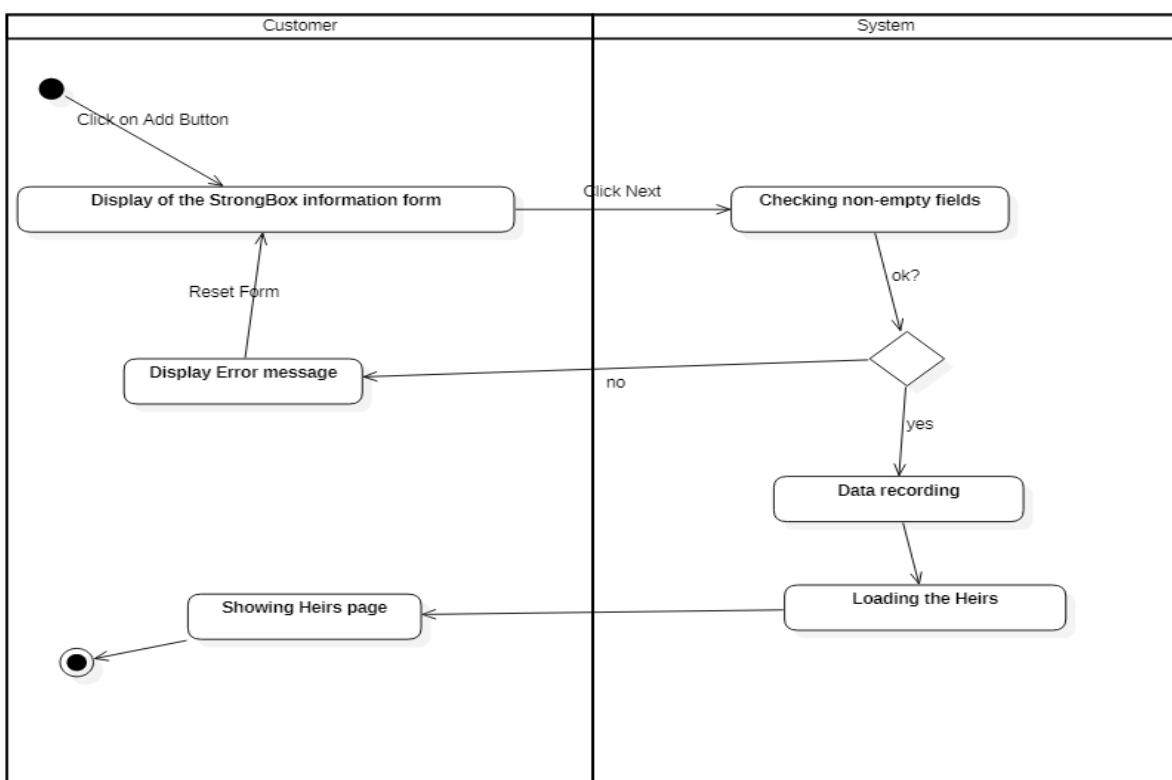
Content Type	Label
Phantom	NFTs Bag
Binance	Degen Farming

At the bottom of the content section, there are buttons for "Cancel Without Saving Changes" and "Add new element". The top right corner shows the user's profile: Vincent Huguet, Wallet.

**Standard Scenario 10.1-Strongbox Information**

1. The customer must select a Strongbox Type.
2. The Seed is generated by our system.
3. The Client may write a message for his heirs.
4. The customer must fill in a Label.

## Annex 9: &lt;&lt; Strongbox activity diagram &gt;&gt;



## Annexe 10 : &lt;&lt; Interface Heirs &gt;&gt;

**Standard Scenario 10.2.1 - All Heirs are listed**

1. The customer must select one or more heirs from the Dropdownlist.
2. The name of each heir is visible in the allocated text box.

**Standard Scenario 10.2.2 - Not all Heirs are listed.**

1. The customer must select one or more heirs from the Dropdownlist.
2. The name of each heir is visible in the allocated text box.
3. Le client clique sur « Add a New Heir »
4. The "Create a Heir" form appears.
5. The client fills in the fields.
6. Inherit it is in the list.
7. The customer can choose it.

**Standard Scenario 10.2.3 - Heirs are not listed**

1. Le client clique sur « Add a New Heir »
2. The "Create a Heir" form appears.
3. The client fills in the fields.
4. Inherit it is in the list.
5. The customer can choose it.

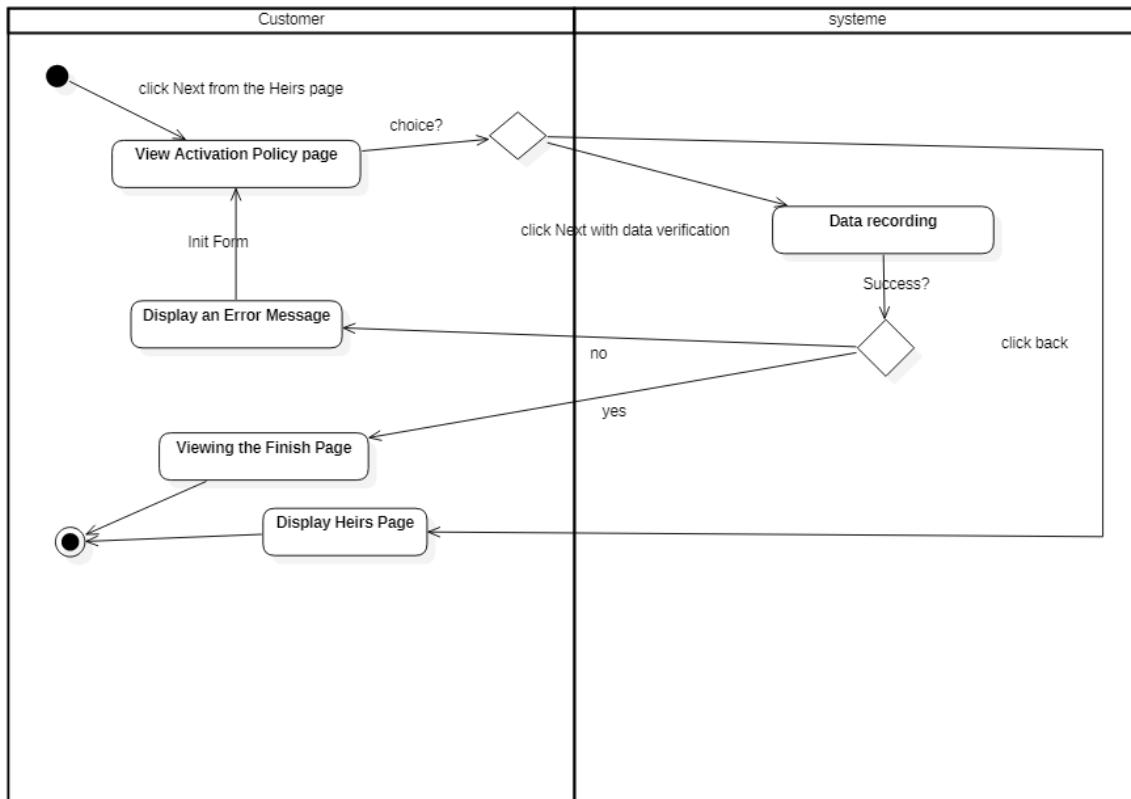
### Annex 14 : << Interface Activation of inactivity Policy >>

The screenshot shows the 'New StrongBox for Heir(s)' process on the Serenity Shield platform. The current step is 'Activation of Inactivity Policy'. A progress bar at the top indicates steps 1 through 5: 'StrongBox' (done), 'Assign Heir(s)' (done), 'Inactivity Policy' (in progress, highlighted in green), 'Create StrongBox' (next), and 'Finish' (last). The 'Inactivity Period' dropdown is set to '- 15 days'. A note below explains the inactivity period: 'All Serenity Shield StrongBox accounts are governed by an **inactivity period**, which means our smart contract will monitor the activity of whichever public wallet address is used upon the account setup. Please choose from the drop-down above to assign an inactivity period for your account. Your heir will only be sent their NFT if and when your account is deemed inactive based on the inactivity period you choose.' A 'Need help?' link is available for assistance.

#### Standard Scenario 11.3 – Choice of inactivity period.

1. The customer must choose a period predefined by our system.

### Annex 15 : << Diagram Policy Activation >>



## Annex 16 : &lt;&lt; Interface Resume &gt;&gt;

The screenshot shows the 'New StrongBox for Heir(s)' creation process. The top navigation bar includes the Serenity Shield logo, user info (Vincent Huguet, Wallet), and a 'Logout' button. The left sidebar has sections for Home, StrongBox Accounts (Personal 1, Heir 0, Heritage 1), and Settings (My Account, Manage my Heir(s), My Subscription Plan). The main content area shows a progress bar with five steps: StrongBox (checkmark), Assign Heir(s) (checkmark), Inactivity Policy (checkmark), Create StrongBox (step 4, green circle with '4'), and Finish (step 5, grey circle). Below the progress bar is a section titled 'Heir(s) StrongBox Information' with fields for Label (P2Earn porfolio), Message for your heir(s) (text area placeholder: 'Use this space to write a message to a trusted friend, family member, or loved one that will be the heir or heirs inheriting access to your digital assets.'), Inactivity Policy (6 months), and Heir(s) (Elisa Villeloup, Hugues Smith, Crals Dupond). A note below states: 'Upon paying the one-time setup fee for the creation of this StrongBox account, Serenity Shield will mint three (3) unique NFT keys for your account. Please note: Only two (2) NFT keys are required to reveal the contents of your StrongBox. One (1) NFT key will be transferred to you, one (1) NFT key will be transferred to your heir, and one (1) NFT key will remain secured within the Serenity Shield smart contract.' To the right is a 'Need help?' section with a video help button and a note: 'Click our video help button to guide you through each stage of your StrongBox creation.' At the bottom are 'Content Type' and 'Label' columns for items: Phantom (NFTs Bag) and Binance (Degen Farming). Navigation buttons include '← Cancel Without Saving Changes' and 'Next >'.

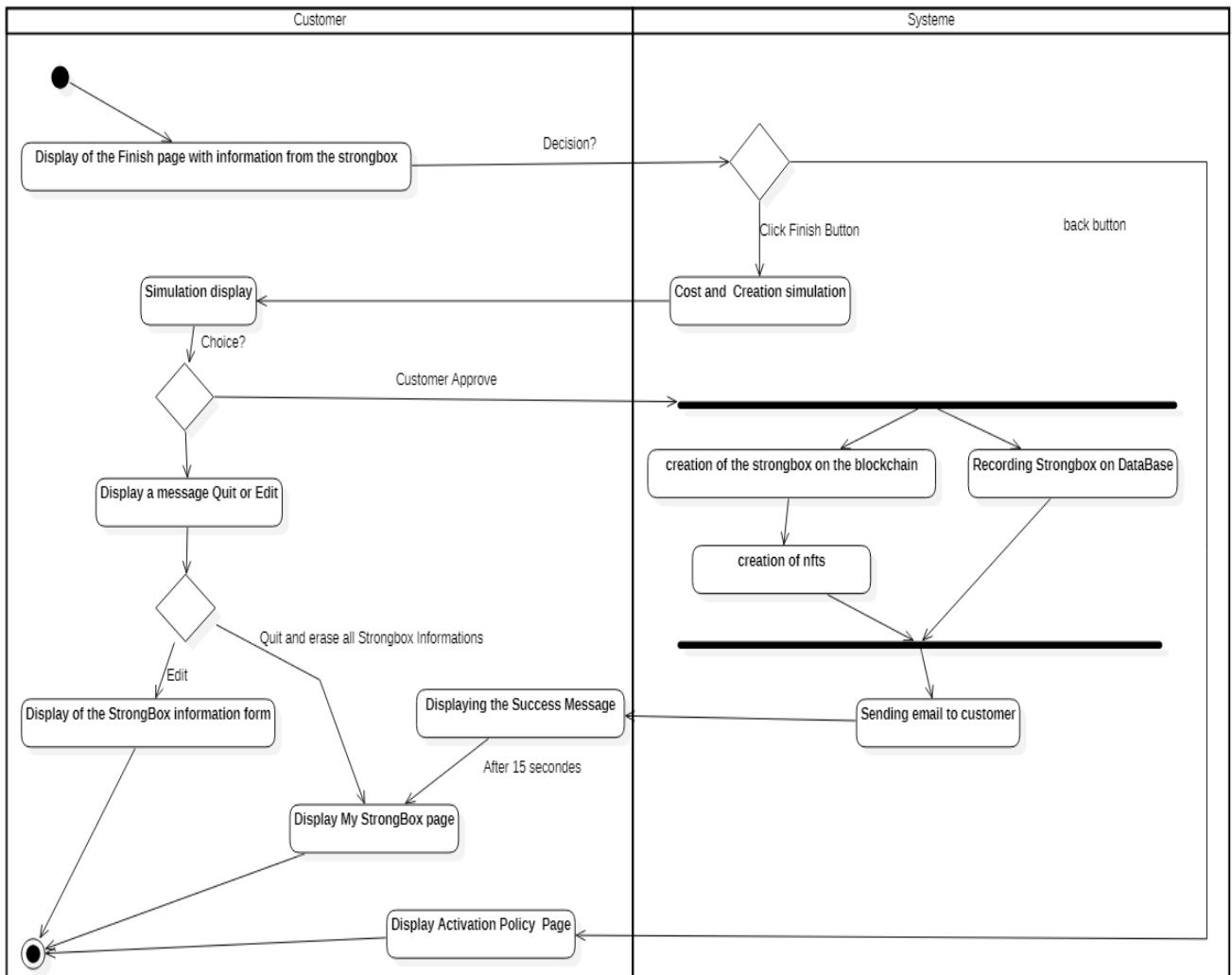
## Annex 17 : &lt;&lt; Interface Estimation &gt;&gt;

The screenshot shows the 'New StrongBox for Heir(s)' creation process. The top navigation bar includes the Serenity Shield logo, user profile (Vincent Huguet, Wallet), and a 'Finish' button. The main title is 'New StrongBox for Heir(s)'. A progress bar at the top indicates five steps completed: 'StrongBox' (green checkmark), 'Assign Heir(s)' (green checkmark), 'Inactivity Policy' (green checkmark), 'Create StrongBox' (green checkmark), and 'Finish' (blue circle with '5'). Below the progress bar, a message says 'Congratulations! Your new StrongBox is just one click away from creation.' Transaction fee estimation is listed as '300,000,000 SCRT'. A checkbox option 'I choose to prepay inheritance of this StrongBox for \$25 USDC.' is checked, with a note explaining the feature: 'Serenity Shield allows our users to proactively take charge of the inheritance costs related to the passing on of a StrongBox to their heir(s). Each user can choose to cover this cost during creation of the StrongBox, or to allow their heir(s) to pay the \$25 USDC fee when the inactivity policy is initiated by our smart contract.' Navigation links include 'Cancel Without Saving Changes' and 'Create my StrongBox'.

**Annex 18 : << Interface finish >>**

The screenshot shows the Serenity Shield web application interface. On the left is a dark sidebar with the Serenity Shield logo at the top. Below it are three main sections: "StrongBox® Accounts" (selected), "Personal", and "Heritage". Under "StrongBox® Accounts", there are three sub-options: "My Account", "Manage my Heir(s)", and "My Subscription Plan". The main content area has a light gray header bar with "Hi, Vincent" and the date "Monday, 4 April 2022". Below this is a breadcrumb navigation bar with five steps: "StrongBox" (with a checkmark), "Assign Heir(s)" (with a checkmark), "Inactivity Policy" (with a checkmark), "Create StrongBox" (with a checkmark), and "Finish" (with a checkmark). A green button labeled "Go Back" is located to the left of the breadcrumb. The main content area is titled "New StrongBox for Heir(s)". It contains a green success message box with the text "Your new StrongBox has been created." and a smaller note: "A confirmation has just been sent to the verified email address on file for your account, please save this email for your records." To the right of the message box is a green button labeled "Go to my StrongBox Accounts >". In the top right corner of the main content area, there is a user profile icon for "Vincent Huguet" and a "Wallet" icon.

## Annexe 19 : &lt;&lt; Diagram Finish &gt;&gt;



## 2.4. Personal

### Annex 20 : << Personal >>

The screenshot shows the Serenity Shield Personal dashboard. On the left, a sidebar menu includes Home, StrongBox® Accounts, Personal (selected), Heir, Heritage, Settings, My Account, Manage my Heir(s), and My Subscription Plan. The main content area displays a welcome message: "Welcome to Serenity Shield A New Era of Digital Protection." Below this are two buttons: "New Personal StrongBox®" and "New StrongBox® for Heir(s)". A section titled "All Personal Accounts (8)" lists accounts with columns for Content Type, Label, and Display Name. The accounts listed are: Phantom (NFTs Bag, NFTs Bag), Binance (Degen Farming, NFTs Bag), Coinbase (Degen Farming, NFTs Bag), and Card SIM (NFTs Bag, NFTs Bag). A "Need help?" button with a video icon is present, along with a note: "Click our video help button to guide you through each stage of your StrongBox creation." A green "Edit StrongBox® Details →" button is located at the bottom right of the account list.

Content Type	Label	Display Name
Phantom	NFTs Bag	NFTs Bag
Binance	Degen Farming	NFTs Bag
Coinbase	Degen Farming	NFTs Bag
Card SIM	NFTs Bag	NFTs Bag

«Personal» use cases

**Standard Scenario 11 - Click on the New Strongbox button.**

1. See standard scenario 10.

**Standard Scenario 12 - Click on a row in the My Strongboxes list.**

1. See standard scenario 06.
2. The customer will be able to Edit, Delete and Insert a Solo Strongbox from its Menu.

## 2.5. Heir(s)

### Annex 21 : << Heir(s) >>

Content Type	Label	Heir(s)	Inactivity Policy
Phantom	NFTs Bag	Me, Elisa Huguet	6 months
Binance	Degen Farming	Me, Elisa Huguet	6 months
Coordonnées	NFTs for Childs	Me, Elisa Huguet	6 months
Code	Farming for Wife	Me, Elisa Huguet - Hel...	6 months
Mobile SIM Card	NFTs for Childs	Me, Elisa Huguet	6 months

### «Heir(s) » Use Cases

#### **Standard Scenario 13 - Click on the New Strongbox button.**

1. See standard scenario 10.

#### **Standard Scenario 14 - Click on a row in the My Strongboxes list.**

1. See standard scenario 07.
2. The customer will be able to Modify, Delete and Insert a Strongbox For Heir from this Menu.

## 2.6. Heritage

**Annex 22 : << Heritage >>**

Content Type	Label	Owner(s)	Heir(s)	Inactivity Policy
Phantom	NFTs Bag	Me, Elisa Huguet	Me, Elisa Huguet	6 months
Binance	Degen Farming	Me, Elisa Huguet	Me, Elisa Huguet	6 months
Data Type	Label	Owner(s)	Heir(s)	Inactivity Policy
Coordonnées	NFTs for Childs	Me, Elisa Huguet	Me, Elisa Huguet	6 months
Code	Farming for Wife	Me, Elisa Huguet - Hei...	Me, Elisa Huguet - Hei...	6 months
Mobile SIM Card	NFTs for Childs	Me, Elisa Huguet	Me, Elisa Huguet	6 months
Email Box	Farming for Wife	Me, Elisa Huguet - Hei...	Me, Elisa Huguet - Hei...	6 months

### "Heritage" Use Case

#### ***Standard Scenario 15 - Clicks one of the rows in the lists.***

1. The customer will be able to see the detail of the Strongbox or it has been defined as inherit.
2. The Customer only has a right to read.

## 2.7. My Account

### Annex 23 : << My Account >>

Hi, Vincent Monday, 4 April 2022

Vincent Huguet Wallet

Welcome to Serenity Shield  
A New Era of Digital Protection.

New Personal StrongBox®    New StrongBox® for Heir(s)

Manage My Account Details

First Name

Last Name

Email Address

Phone Number

Optional Layers of Security Below

ID card

Passport Number

Social Security Number

Save >

Need help?  
Click our video help button to guide you through each stage of your StrongBox creation.

#### "My Account" use case

##### **Standard Scenario 16 -Filling in the fields concerning your account.**

1. The customer sees his fields pre-filled, he can modify them (only the Fields Social Security, ID number and Passport Number are Optional).

## 2.8. Manage My Heir(s)

### "Manage My Heir(s)" - Use Case

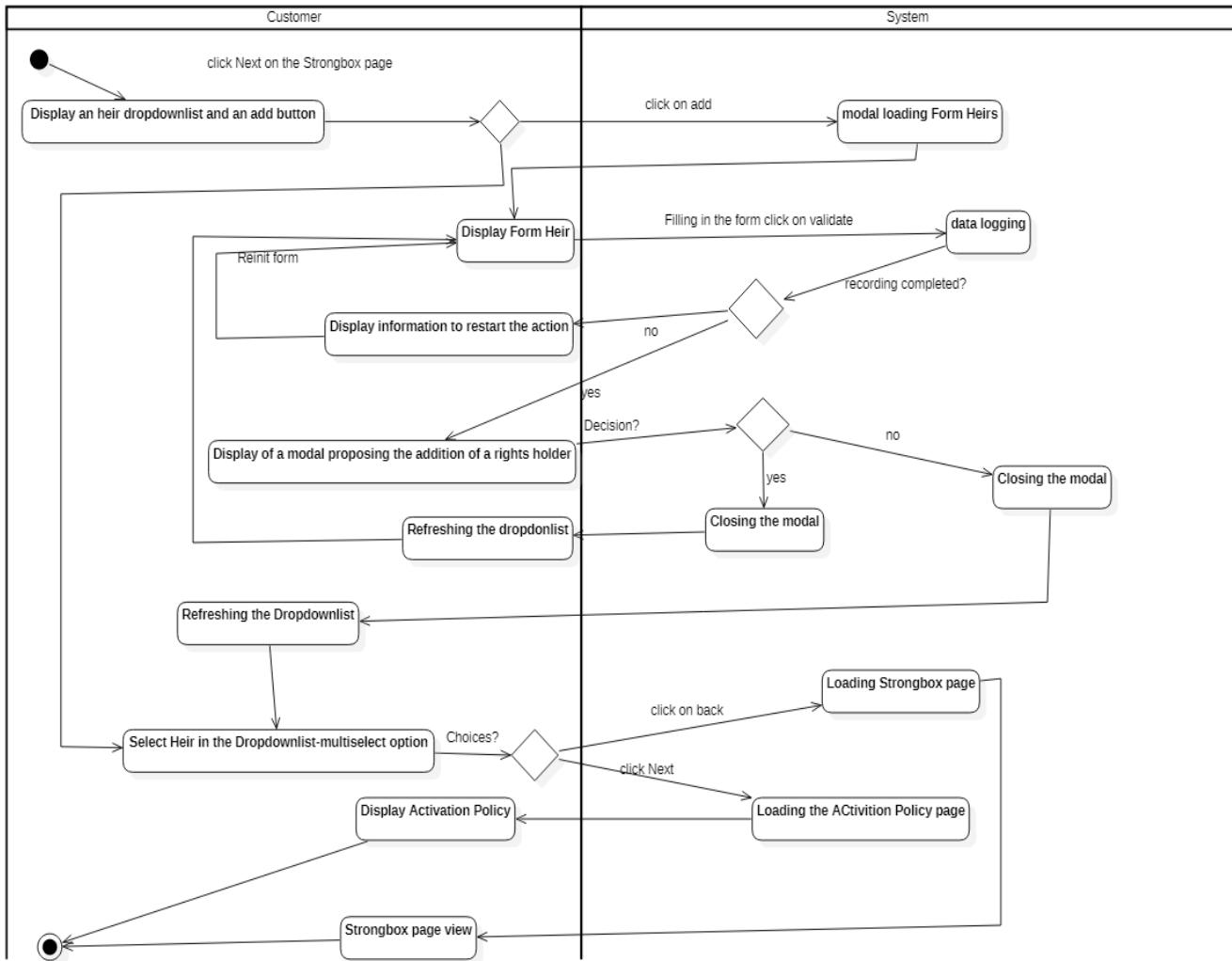
The screenshot shows the Serenity Shield application interface. On the left is a dark sidebar with navigation links: Home, StrongBox® Accounts, Personal, Heir, Heritage, Settings, My Account, Manage my Heir(s), and My Subscription Plan. The main content area has a header "Hi, Vincent" and "Monday, 4 April 2022". It features a large title "Welcome to Serenity Shield" and subtitle "A New Era of Digital Protection". Below this are two green buttons: "New Personal StrongBox®" and "New StrongBox® for Heir(s)". The central part of the screen is titled "Manage All Accounts Details" and displays four cards, each containing a profile picture, the name "Helene Huguet", and a long ID number. At the bottom right of this section is a green button labeled "Add my New Heir" with a right-pointing arrow. In the top right corner, there is a user profile for "Vincent Huguet" and a "Wallet" icon.

**Standard Scenario 17 -click on “Add heir(s)”.**

1. The customer sees the file of his heirs and can add others.
2. The Customer must fill in all the fields concerning his heir.

This diagram illustrates how the add-on works logically.

**Annex 11 : << Add Heirs diagram >>**



The screenshot shows the Serenity Shield web interface. On the left, a sidebar menu includes: Home, StrongBox® Accounts (Personal, Heir, Heritage), Settings, My Account, Manage my Heir(s), and My Subscription Plan. The main content area displays a "Welcome to Serenity Shield" banner with the tagline "A New Era of Digital Protection." A "New Personal StrongBox®" button is visible. In the center, a modal window titled "Add a New Heir" is open. It contains fields for "Heir's First Name" (placeholder: Helene Huguet), "Heir's Last Name" (placeholder: 2738293937363939393736), "Heir's Email Address" (placeholder: Helene.Huguet@example.com), "Heir's Phone Number" (placeholder: +33 0000000000, with a country code dropdown set to France), and "Heir's Wallet Address" (placeholder: 123 Main Street). A large green "Add my New Heir" button is at the bottom. The top right corner of the screen shows a user profile for Vincent Huguet and a "Need help?" button.

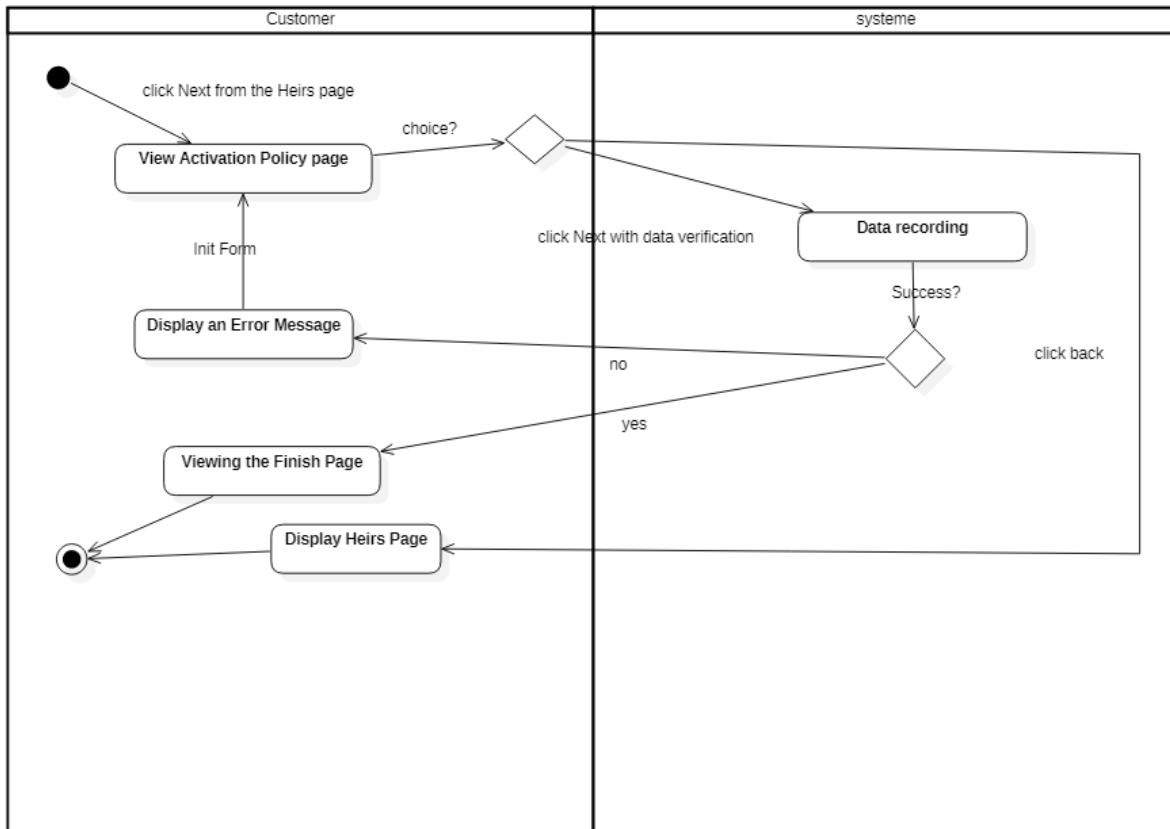
**Standard Scenario 18 -Update an Heir**

1. The customer sees the file of his heirs and can add others.
2. The Customer click on a heir file
3. He can “modify” and Save

The screenshot shows the Serenity Shield web interface. On the left is a dark sidebar with the Serenity Shield logo and navigation links: Home, StrongBox® Accounts (Personal, Heir, Heritage), Settings (My Account, Manage my Heir(s), My Subscription Plan). The main content area has a header "Hi, Vincent" (Monday, 4 April 2022) and "Vincent Huguet Wallet". It features a banner "Welcome to Serenity Shield A New Era of Digital Protection." with buttons "New Personal StrongBox®" and "New StrongBox® for Heir(s)". Below is a section titled "Manage My Heir(s) Details" with a back link "Go back All Heir". It lists details for "Helene Huguet" (ID: 2738293937363939393736): Heir's Email Address (heritage@gmail.com), Heir's Phone Number, and Heir's Wallet Address (2738293937363939393736). Buttons "Suprimir" (Delete) and "Modificar" (Modify) are at the bottom.

This diagram illustrates the change

**Annex 12 : << Diagram the Heirs modification >>**

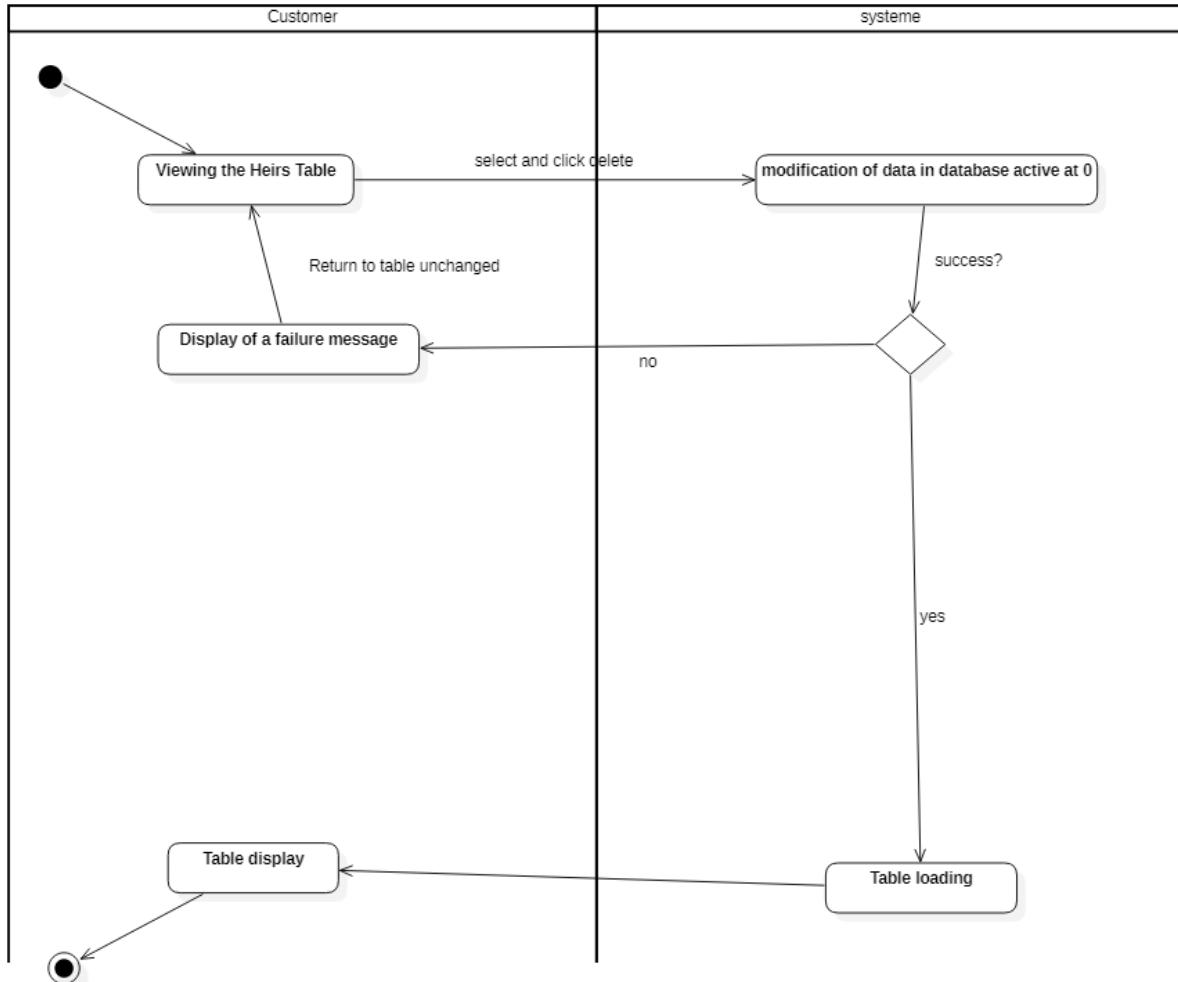


The screenshot shows the Serenity Shield web interface. On the left sidebar, there are several menu items: Home, StrongBox® Accounts, Personal, Heir, Heritage, Settings, My Account, Manage my Heir(s), and My Subscription Plan. The main content area displays a "Welcome to Serenity Shield" message with a subtitle "A New Era of Digital Protection." Below this, there are two buttons: "New Personal StrongBox®" and "Next Step". A central modal dialog titled "Edit an Existing Heir" is open. The modal contains fields for "Heir's First Name" (placeholder: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ornare"), "Heir's Last Name" (placeholder: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ornare"), "Heir's Email Address" (placeholder: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ornare"), "Heir's Phone Number" (international dialing code "+33" followed by "06 56 12 37 33"), and "Heir's Wallet Address" (placeholder: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ornare"). At the bottom of the modal are "Go Back" and "Save" buttons. To the right of the modal, there is a "Need help?" button with a video icon, a message about getting help through a video guide, and a "Go back All Heir" link. The top right corner shows a user profile for "Vincent Huguet" and a "Wallet" icon.

### **Standard Scenario 19 -Delete an Heir**

1. The customer sees the file of his heirs and can add others.
2. The Customer click on a heir file
3. He can “Delete” and Save

This diagram illustrates the deletion

**Annex 13 : << Heirs removal diagram >>**

## 2.9. My Subscription Plan

The screenshot shows the Serenity Shield web interface. At the top, there's a navigation bar with the user's name 'Hi, Vincent' and the date 'Monday, 4 April 2022'. On the right, there's a profile picture of 'Vincent Huguet' and a 'Wallet' icon. A 'Need help?' button with a video camera icon is also present.

The main content area features a 'Welcome to Serenity Shield' banner with the tagline 'A New Era of Digital Protection.' Below it, a section titled 'My Serenity Shield Plan' displays three subscription options:

- Serenity Essential**: Protect access to your digital assets for as little as \$0.07 per day. Includes up to 5 personal StrongBox accounts, up to 3 heir StrongBox accounts, and up to 2 heirs per StrongBox Account. Priced at \$1.99/month. A 'Get Protected' button is available.
- Serenity Vital**: For those who require access to more StrongBox accounts. Includes up to 5 personal StrongBox accounts, up to 5 heir StrongBox accounts, and up to 3 heirs per StrongBox Account. Priced at \$4.99/month. A 'Get Protected' button is available.
- Serenity Max**: Unlimited. Includes unlimited personal StrongBox accounts, unlimited heir StrongBox accounts, and unlimited heirs per StrongBox account. Priced at \$9.99/month. A 'Get Protected' button is available.

Below this, there's a 'Payment History' section showing two entries:

Date	Payments	Payment Source
June 2022	\$1.99	Credit Card XXX 4267
June 2022	\$1.99	Credit Card XXX 4267

For each entry, there is a 'Download' button with a file icon.

### Use Case - "My Subscription Plan" Menu

#### **Standard Scenario 20 - Choosing the "My Subscription Plan" menu - Reading a message**

1. The Customer may choose his purchase plan in this Menu.
2. The Customer will be able to consult his purchase history.

### 3. Data Dictionary

#### 3.1 Users (Customers and Heirs)

Les données relatives à la gestion des utilisateurs sont :

Firstname	VARCHAR 255
Lastname	VARCHAR 255
Email	VARCHAR 255
Phone Number	VARCHAR 255
ID Number (optional)	VARCHAR 255
Social Security Number (optional)	VARCHAR 255
Passport number (optional)	VARCHAR 255

#### DEFINITION

1. Firstname: Represents the user name.
2. Lastname: Represents the user's first name.
3. Phone Number: is the user's phone number .
4. Email: is the user's email address.
5. ID Number: is the identity card number.
6. Social Security Number: is the socialsecurity node.
7. Passport number: is the passport number.

#### 3.2 StrongBoxes

Data relating to strongboxes are :

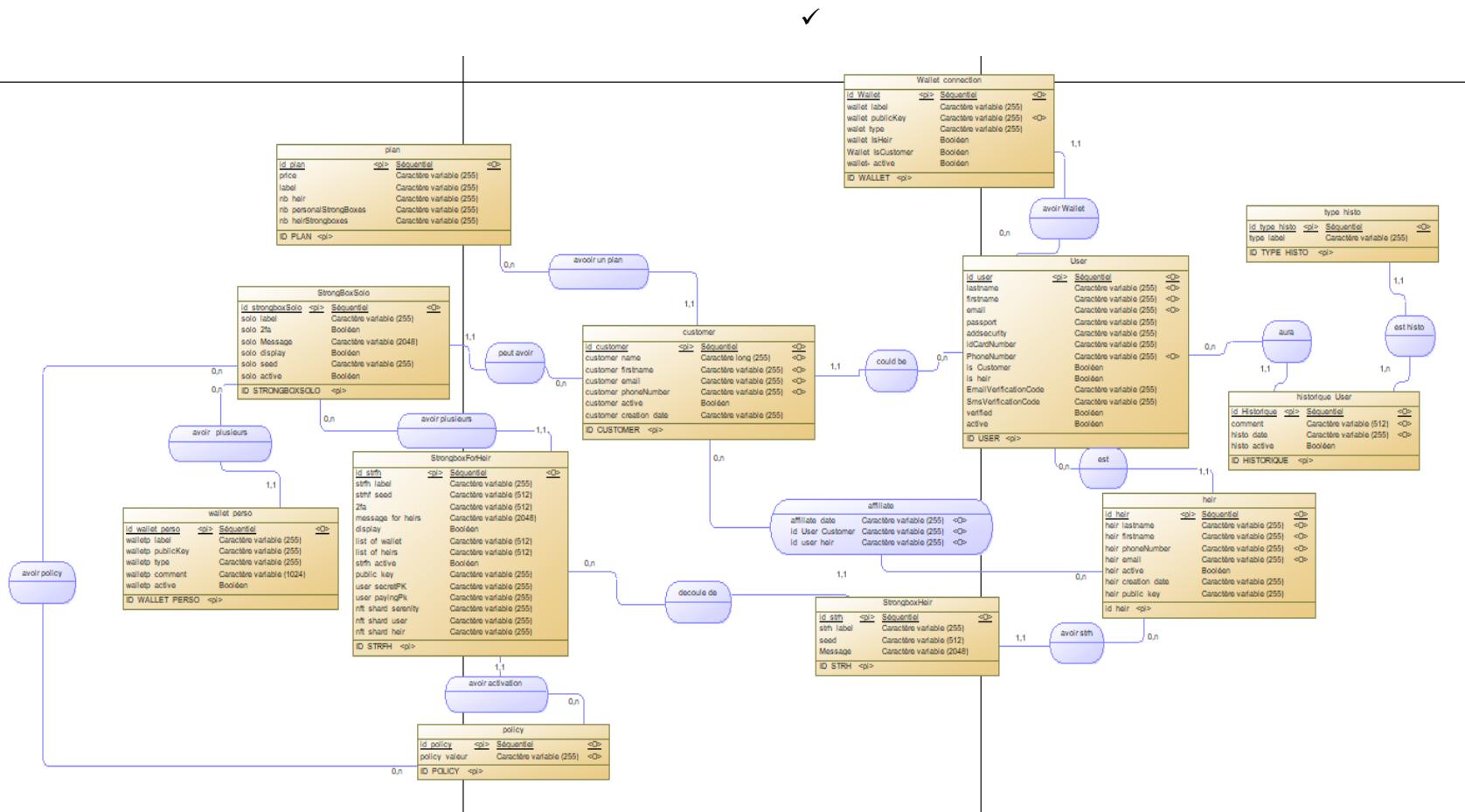
Label	VARCAHAR 255
List of Strongbox Type	VARCAHAR 512
Seed	VARCAHAR 512
2FA System	BOOLEAN
Message for Heir	VARCAHAR 2048
Display	BOOLEAN
List of Heirs	VARCAHAR 512
Policy Activation	INTEGER

#### DEFINITION

1. Label: represents the name of the strongbox.
2. List of Strongbox Type: Represents a list of strongbox type.
3. Seed: is the key phrase of the strongbox.
4. 2FA System:is the boolean for strongbox security.
5. Message for Heir: is the message for heritiers.
6. Display: is a boolean to show or not the strongbox.
7. List of Heirs: represents a list of strongbox heirs.
8. Policy Activation: represents a duration before activating the strongbox

✓ 4 Conceptual data model:

Annexe 24 : << Conceptual data model >>



THANKS