

**Product Specification Document (PSD)**

**Warrior Dogs**

**Version 1.2**

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### Document History

| **Version** | **Modification Date** | **Author** | **Summary of Changes** |
| --- | --- | --- | --- |
| v1.0 | March 15, 2023, | Kartik Behl | Published v1.0 of the Warrior Dogs |
| v1.1 | March 27, 2023 | Kartik/Nirmal | Recurring payment options, Users log in, recurring payment notification |
| v1.2 | Apr 12, 2023 | Nirmal | User story 2.5 updated, added 2.6,3.3,3.4,3.5,3.6,3.8,3.9,3.10,3.11,3.13,3.14,3.15 |

### Problems to be Solved

* **Problem statement 1**: Lavabee Rewards (codename for now) - In the traditional web2 world, content distribution is often controlled by a few large companies, making it impossible for content creators & brands don't own their intended audience. Furthermore, there is a lack of transparency and security in the distribution process.
* **Problem statement 2**: WDF - The veteran dogs find it difficult to adjust to day-to-day life with civilians and need special facilities to ensure that they are taken care of. WDF is one such facility that rehabilitates them so that they can find a home in the outside world and it runs on donations from the supporters who currently don't have a platform to view and experience the support they provide to WDF.

### Project Vision

Lavabee Rewards (codename) aims to be the leading Web3 content creator tool that enables brands and creators to tokenize almost anything to build deeper relationships with the people who love them. By establishing clear copyright, true transparency of ownership, secure transactions, and enforced royalties, Lavabee allows for a more transparent and secure distribution of content. We believe that by leveraging the power of Web3 technology, we can create a more democratized and equitable content distribution system where creators are in control of their work. We envision a future where decentralized content platforms are the norm, and our Web3 tools are at the forefront of this movement. Lavabee will be built on a modular foundation so that in the future if required, the content creators & brands will always own their distribution even outside Lavabee's ecosystem.

WDF application aims to use Lavabee's content engine (creator's dashboard and app) to create a sponsors app that lets the sponsors support veteran dogs through digital (fiat & crypto) payments and in return provides them token-gated access to intimate and transparent content of the dogs they are supporting.

### Project Summary

* **This platform has three Personas in the Warrior Dogs, who are as follows:**
  + **Sponsors -** Sponsors are the ones who will use the platform to support the dogs by purchasing the monthly subscription/membership plan, and the sponsors will receive the NFTs and can choose the dog randomly from the platform using crypto functionality or fiat currency functionality.
  + **Handlers** - Handlers are the ones that will be taking care of the dogs, taking dogs out for different activities such as walking, playing with dogs, and scanning the QR code or RF-iD chip attached to the dog's neck for their session in and session out. By scanning the QR Code they will be able to interact with the dog's profile and accordingly can create content by clicking the image or taking video from their mobile application and can also select multiple copies from their gallery to create the content and will send it to the admin for their approval.
  + **Admin** - The admin is the one who will have access to all of the sponsors, handlers, and dog lists that are available on the platform.
    - The admin can add, suspend or delete the handler from the platform, just as they can do the same for the dogs.
    - The admin has the authority to provide the necessary credentials to the platform's handlers; handlers will be hired by the brand
    - The admin can also add, update and delete the subscription or membership plans for sponsors on the platform.
    - The admin also can view the total active sponsors and the total donation collected from the sponsors to support the veteran dogs.

### Project Goals

* To create a platform that enables users i.e. sponsors, to purchase memberships or subscription plans from the platform.
* To build a platform that allows sponsors, to receive the dynamic NFT when they purchase memberships or subscription plans from the platform.
* To create a platform that allows sponsors to support the veteran dogs on the platform.
* To develop a platform that allows handlers to care for veteran dogs and interact with their profiles by scanning the QR code or RF-iD chips attached to their neck collars.
* To build a platform that allows dog handlers to create content for their dogs and send it to the admin for approval.

### Project Schedule

* **Project start date**: March 14, 2023
* **Project end date**: July 4, 2023

### Project Guidelines

* **Sponsors -** The platform enables sponsors to buy membership or subscription plans using crypto and fiat currencies, and the Warrior Dogs Foundation will use the amount for the betterment of the dogs.
* **Sponsors -** The platform enables the sponsors to support any dogs randomly after purchasing the plan.
* **Sponsors** - The sponsors can upgrade or degrade the subscription plan. If the sponsor upgrades/degrades the plan they will be randomly supporting the dog.
* **Sponsors** - Sponsors will be able to interact with the content of the dog they support in the content feed of the app, which will strengthen their relationships with the dogs they support.
* **Stripe Payment** - Stripe payment integration will be done in USD dollars and the sponsors will be purchasing the subscription plan using credit or debit cards.
* **Wallet**: Warrior Dogs will use the [Magic link](https://magic.link/) for sponsors in mobile Android/web/desktop applications. Sponsors don't have to worry about private keys because Magic handles them. For now, we are using Wallet Connect and Metamask in the Android/web applications. Handlers will be using the credentials provided by the administrator to register themselves on the platform.
* **Content -** The content that was being created by the handlers on the platform will be approved and published by the admin.
* **Handler -** The handler can also share the post or the content of the dogs to other social media handles such as **Twitter**, **Instagram,** and **Facebook** after getting approval from the admin.
* **Admin** - The admin will have the authority to add, create or delete plans for the sponsors in future scenarios. For initial, we have 3 monthly subscription plans
* **Admin -** Once the content has been approved, the content is uploaded onto the chain and accordingly the transaction will be performed from the admin’s end and the publishing of content will be done from the admin’s end.
* Admin & Handlers app will follow Lavabee brand guidelines and will be modular enough to onboard other brands in phase 2 of the project.
* Tech-stack details (will be needed from the tech lead)
  + Frontend
  + Blockchain
  + Backend
  + Database
  + DevOps

### 

### Feature List of the Application

| Warrior Dogs Sponsors |
| --- |

| **Sponsor MOBILE IOS APPLICATION** |
| --- |

* **Splash Screen & Onboarding Slides**
  + In the Splash screen, there will be three onboarding slides that highlight product features.
  + For reference here is the brand website -> <https://warriordogfoundation.org/>
  + The onboarding screens will follow a simple design layout:
    - Illustration
    - Title
    - Description
    - The call to Action feature should be enabled.
* **Creation of Account (Log-in/Sign Up)**
  + When the sponsor opens the application for the first time, the sponsor should be able to register themselves, and after registering themselves they will be able to access their account.
  + For the Creation of the account, the sponsor can use [Magic Connect: Plug-and-Play Web3 Wallet | Magic](https://magic.link/connect).
  + The sponsor should also be able to log in with the magic link and also can use Google and Apple login.
* **Subscription Plan (Membership Tier)**
  + After completing the sign-up process, the sponsor will be able to view the subscription plan for the dogs and accordingly can support the dogs by purchasing the plan.
  + The payment plans will be every month and the sponsor will be able to pay through fiat currencies.
  + **Initial Monthly payments for the sponsors are as follows:**
    - 3$/month -> 1 Dog
    - 5$/month -> 3 Dogs
    - 10$/month -> All dogs
  + The sponsor can upgrade or degrade his membership and can also stop the plan anytime.
  + For Fiat currencies, we will be integrating Stripe payment functionality in USD dollars using a credit, or debit card.
* **Menu Tab**
  + There will be a bottom tab navigation used for the menu in the mobile application.
* **Home feed**
  + The sponsor will be able to view the feed of all the dogs that are listed on the platform
  + The sponsor will be supporting the dogs randomly that they receive from the platform.
  + The sponsor should be able to interact with the dogs by providing emojis on the content.
  + Need a share button so that the sponsor should also be able to share the moments that they enjoy outside the platform on different social media platforms.
* **Sponsor’s Profile**
  + The sponsor should be able to view their profile
    - Sponsor’s Full Name
    - Able to view the NFT owned by the sponsor under the sponsor's profile according to the membership plan they have chosen.
    - List view of dogs currently supported and GalleryView of Dogs
      * Clicking on any Dog will navigate to Dog’s profile
  + Edit Profile
    - Sponsor’s Name.
* **Dog’s Listing & Profile** 
  + On clicking on any of the dog profiles whom the sponsor is supporting, the sponsor wants to view the overview of the dog
  + Name of the dog.
  + Sponsors should be able to view the quarterly report of the dog in the PDF format uploaded from the admin’s end.
  + View the content and information associated with the dog.
    - Basic Information
      * Name of the dog
      * Profile Picture of the dog
      * Age of the dog
      * Breed of the dog
      * Service History
      * Awards/Medals that the dog received
      * The story of the dog
      * Cool photo/video of the dog
      * Health Records of the Dog
      * Emoji Status (Low priority would be a cool little element, that can be combined with emoji).

Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji

* **Notifications**
  + **Push Notifications**
    - A sponsor should be able to get a notification whenever a new dog has been added to the platform.
    - A sponsor should be able to get a notification when a dog’s profile has been updated from the handler’s end
    - A sponsor should be able to get a notification of any events happening for the sponsors on the platform.
* **Settings**
  + **Generic Application settings**
    - **Account**
      * The sponsor should be able to edit the name.
      * The sponsor should be able to edit the Email
      * The sponsor should be able to upload their profile image.
    - **Notifications**
      * The sponsor should be able to enable or disable notifications from the settings screen.
    - **Payment**
      * The sponsor should be able to manage the payment methods - Add & Manage Payment Methods
      * The sponsor should be able to view the payment history.

| **Sponsor MOBILE ANDROID/WEB/DESKTOP APPLICATION** |
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* **Splash Screen & Onboarding Slides**
  + In the Splash screen, there will be three onboarding slides that highlight product features.
  + For reference here is the brand website - <https://warriordogfoundation.org/>
  + The onboarding screens will follow a simple design layout:
    - Illustration
    - Title
    - Description
    - The call to Action feature should be enabled.
* **Creation of Account (Log-in/Sign Up):**
  + When the sponsor opens the application for the first time, the sponsor should be able to register themselves, and after registering themselves they will be able to access their account.
  + For the Creation of the account, the sponsor can use [Magic Connect: Plug-and-Play Web3 Wallet | Magic](https://magic.link/connect)
  + The sponsor should also be able to log in with the magic link, using Google and Apple login.
  + The sponsor will also be able to log in with the wallet.
* **Wallet -** Metamask and wallet connect initially.
* **Subscription Plan (Membership Tier)**
  + After completing the sign-up process, the sponsor will be able to view the payment plans for the dogs that he/she wants to support.
  + The payment plans will be every month initially and the sponsor will be able to pay through both using fiat currencies and using cryptocurrencies.
  + For Fiat currencies, we will be integrating Stripe payment functionality, USD dollars using a credit, or debit card.
  + In the case of crypto payments, for Web 2, sponsors will purchase the subscription plan in fiat currencies via Stripe while also utilizing crypto functionality. If they have funds in their wallet, they will be able to purchase the membership plan in crypto; if they do not have funds, they will be able to receive funds using the magic wallet itself and then can proceed to purchase the membership plan.
  + In the case of crypto payments, for Web 3, sponsors will be able to purchase the subscription plan in fiat currencies using Stripe payment and also using crypto functionality. In crypto, if they have funds in their wallet, they will be able to purchase the membership plan, if they don't, they will be able to receive funds using Metamask by adding funds from Moonpay and other third parties and can add funds from there and then can purchase the plan.
  + **Monthly payments are as follows:**
    - 3$/month -> 1 Dog
    - 5$/month -> 3 Dogs
    - 10$/month -> All dogs
  + The sponsor can upgrade or degrade his membership and can also stop the plan anytime.
* **Home feed**
  + The sponsor will be able to view the feed of all the dogs that are assigned to them on the platform.
  + The dogs will be assigned to the sponsor randomly. No selection option is available.
  + The sponsor should be able to interact with the dogs by providing emojis on the content.
  + Need a share button so that the sponsor should also be able to share the moments that they enjoy outside the platform on different social media platforms.
* **Sponsors Profile**
  + The sponsor should be able to view their profile
    - Sponsor’s Full Name
    - Wallet address
    - Able to view the NFT owned by the sponsor under the sponsor's profile according to the membership plan they have chosen.
    - List view of dogs currently supported and GalleryView of Dogs
      * Clicking on any Dog will navigate to Dog’s profile
  + Edit Profile
    - Sponsor’s Name
    - Sponsors edit profile images.
* **Dog’s Profile**
  + On clicking on any of the dog’s profiles whom the sponsor is supporting, the sponsor wants to view the overview of the dog
  + Name of the dog.
  + View the content and information associated with the dog.
    - Basic Info
      * Name of the dog
      * Profile Picture of the dog
      * Age of the dog
      * Breed of the dog
      * Service History
      * Awards/Medals the dog received
      * The story of the dog
      * Cool photo/video of the dog
      * Health Records of the Dog
      * Emoji Status (would be a cool little element, can be combined with emoji).

Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji

* **Notifications**
  + **Push Notifications**
    - A sponsor should be able to get a notification whenever a new dog has been added to the platform.
    - A sponsor should be able to get a notification when a dog’s profile has been updated from the handler’s end
    - A sponsor should be able to get a notification of any events happening for the sponsors on the platform.
* **Settings**
  + **Generic Application settings**
    - **Account**
      * The sponsor should be able to edit the name.
      * The sponsor should be able to view the wallet address.
    - **Notifications**
      * The sponsor should be able to enable or disable notifications from the settings screen.
    - **Payment**
      * the sponsor should be able to manage the payment methods - Add & Manage Payment Methods
      * The sponsor should be able to view all the payment history done from both fiat and crypto funds.

| Warrior Dogs Handlers |
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| **Handler MOBILE IOS/ANDROID APPLICATION** |
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* **Splash Screen & Onboarding Slides**
  + In the Splash screen, there will be three onboarding slides that highlight product features.
  + For reference here is the brand website -> <https://warriordogfoundation.org/>
  + The onboarding screens will follow a simple design layout:
    - Illustration
    - Title
    - Description
    - The call to Action feature should be enabled.
* **Creation of Account (Log-in)**
  + When the handler first opens the application, the handler should be able to attach the relevant credentials provided by the administrator to the handler. and after registering they will be able to access their account.
  + For the Creation of the account, the admin will be providing the relevant credentials to the handler. (User ID and Password)
* **Shortcut to open the camera**
  + Once the handler will be able to open the camera, he/she will be able to scan the QR Code or NFC module.
  + After scanning the QR Code, the handler will be able to open the dog’s profile automatically.
  + The handler will be able to edit only the medical report of the particular dog that he has came across by scanning the QR code or RF-iD chip attached to the dog's neck.
  + The handler will be able to upload or edit the training data of the dog.
    - Creating a new post
    - Adding a description to the post created by the handler.
    - Add single or multiple pictures to a post
* **Dogs List view**
  + The handler should be able to view the number of dogs he/she is managing on the platform.
  + Details of the dogs are as follows:
    - * Name of the dog
      * Profile Picture of the dog
      * Age of the dog
      * Breed of the dog
      * Service History
      * Awards/Medals dog received
      * The story of the dog
      * Cool photo/video of the dog
      * Health Records of the Dog.
        + Editing of health records can be done from the handler's end.
      * Emoji Status (would be a cool little element, can be combined with emoji).

Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji

* **Content Creation:**
  + Handlerswill be able to open the camera on their mobile application and take a photo of the dog and can create content for the post.
  + Handlers will be able to open the gallery on their mobile device and accordingly can select the photos and can create content for the post.
  + Handlers will also be having an option in the camera to select a single image or video and also multiple image or video option so that accordingly handlers can take a photo if he wants to click a photo and can also make a video if they want to make a video of the dog.
  + After creating the video or photo of the dog, handlers can add a description to the content or the post caption regarding the image or video and can also view the timestamp as well.
  + Handlers will also be having the option to add multiple photos of the dog before creating the post.
  + Once the post has been made by the handler and once the handler clicks on submit button after adding the text content and photos or videos of the dog, it will be sent to the admin for their approval named “**Send to Approve**”
  + There will be a section for the handler where the handler will be viewing the details of whether the post has been approved, rejected, and in approval pending state.
    - **Approved** **-** The post that has been posted by the handler will be approved by the admin.
    - **Rejected** **-** The post that has been posted by the handler will be rejected by the admin.
    - **Approval Pending** **-** The post that has been posted by the handle but has not been reviewed till now by the admin.
* **Push Notifications** 
  + Handlers will be able to receive the push notification whenever the content status that the handler will be uploading has been approved or rejected by the admin.
  + Enable the handler to receive a notification whenever the sponsor reacts to the post of the dog.
* **Settings**
  + **Generic Settings**
    - On the settings page, the handler will be able to view the account information

| Warrior Dogs Admin |
| --- |

##### 

| **DESKTOP WEBSITE APPLICATION (ADMIN)** |
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**Sponsors List**

* The admin will be able to view the following list:
  + list of Sponsors
  + Manage Subscription Plan
  + Manage the Dogs
  + **“View more”**, on clicking on view more, the admin will be able to view the detailed information about the dogs
    - * Name of the dog
      * Profile Picture of the dog
      * Age of the dog
      * Breed of the dog
      * Service History
      * Awards/Medals dog received
      * The story of the dog
      * Cool photo/video of the dog
      * Health Records of the Dog
      * Emoji Status (would be a cool little element, can be combined with emoji).
      * Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji

**Handlers List**

* The admin will be able to view the following list:
  + Handler's name
  + A number of dogs are handled by the handler.
  + The admin will be able to add, update and delete the handler from the platform.
  + Enable the admin to view the content list posted by the handler in the tabular format:
    - Title
    - Thumbnail (optional)
    - Date
    - Posted by - Handler Name
    - Status - To be Approved/Rejected/Published

**Dogs List**

* The admin will be able to view all the dogs listed on the platform
* The admin will be able to view and edit the following list of all the dogs listed on the platform:
  + Name of the dog
  + Profile Picture of the dog
  + Age of the dog
  + Breed of the dog
  + Service History
  + Awards/Medals dog received
  + The story of the dog
  + Cool photo/video of the dog
  + Health Records of the Dog
  + Emoji Status (would be a cool little element, can be combined with emoji).
  + Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji
* The admin will be able to add or delete the dogs from the platform.
* The admin will be able to update the dog's details on the platform.
* The admin will also be able to view the content listed which was posted by the handler.
  + The admin will be approving the content posted by the handler named “Approved”
  + Once the content has been approved by the admin then from the admin side the transaction is signed and the fingerprint will be uploaded on the blockchain and the content will be published by the admin on the platform.

**Admin Authorities**

* The admin should be able to view the dashboard.
  + In the dashboard, the admin will be able to view the active sponsors on the platform.
  + In the dashboard, the admin will be able to view the total Sponsors
  + In the dashboard, the admin will be able to view the donations in USD till date.
  + In the dashboard, the admin will be able to view the content sent for approval by the handler to the admin and a call to action button where they will be able to view the content module screen.
* The admin will be able to add, update, and delete plans from the platform.
  + On adding the new plan, the admin needs to add the following items:
    - Package Name
    - Number of dogs to support
    - Price per month.
* On creating the plan details of the plan provided by the admin are as follows:
  + Name of the plan
  + Description associated.
  + NFT
  + Image/gif/video of the dog.
* Enable the admin to view the basic settings screen such as WDF (Brand Name) and the signing keys.

### 

### User Stories and Functional Requirements

##### Persona #1: Sponsors

| 1.1 | Platform User: User story | **Splash Screen:**  As a sponsor, I should be able to view the splash screen and the onboarding slides so that I can interact with the platform. |
| --- | --- | --- |
| 1.1.1 | Functional Requirement | Enable the sponsor to view the splash screen. |
| 1.1.2 | Functional Requirement | Enable the sponsor to view the onboarding slides that will highlight the product features on the platform. |
| 1.1.3 | Functional Requirement | * Enable the sponsor to view the different design slides on the platform listed below:   + Illustration   + Title   + Description   + The call to Action feature should be enabled. |
| 1.2 | Platform User: User story | **Registering of account:**  As a sponsor, I should be able to create my account so that I can log in or sign -up on the platform. |
| 1.2.1 | Functional Requirement | Enable both web2 and web3 sponsors to register themselves on the platform and access their accounts. |
| 1.2.2 | Functional Requirement | Enable the Web2 sponsor to create their account by using the magic link, [Magic Connect: Plug-and-Play Web3 Wallet | Magic](https://magic.link/connect) through   * Email address * Social Login - Google login and Apple ID |
| 1.2.3 | Functional Requirement | Enable the Web2 sponsor to use the wallet to purchase Polygon chain MATIC tokens using on-ramping services with the help of Magic Link wallet in the Android/web app. |
| 1.2.4 | Functional Requirement | Enable the Web3 sponsor to connect the wallet on the platform in a mobile web/desktop/android application.  **Wallet** - Metamask and Wallet connect. |
| 1.3 | Platform User: User story | **Subscription Plan:**  As a sponsor, I should be able to view the subscription or the membership plan so that I can purchase the membership plan and can support the veteran dogs using both fiat currency and crypto funds on the platform. |
| 1.3.1 | Functional Requirement | Enable the sponsor to view the different subscriptions or membership plan that was decided by the admin on the platform.   * The subscription plan is as follows and for now, we are sticking with the monthly plans. The admin can also update the plans in the future.   + **3$/month -> 1 Dog**   + **5$/month -> 3 Dogs**   + **10$/month -> All dogs** |
| 1.3.2 | Functional Requirement | Enable the sponsor to pay the monthly subscription payments in fiat currencies using stripe payment in the ios application. |
| 1.3.3 | Functional Requirement | Enable both Web 2 and Web 3 sponsors to pay monthly payments in both fiat currencies and crypto payments in the Android/web app.   * For fiat currencies, both Web 2 and Web 3 sponsors will be using the Stripe payment functionality, USD dollars using a credit, or debit card. * If a sponsor is a Web 2 user:   + They will be able to purchase the subscription plan using crypto funds.     - If the sponsor has funds in their wallet then they will be able to purchase the plan with the funds they have.     - If they don’t have funds in their wallet, in that case, they will be able to add the funds using the magic wallet and then will be able to purchase the membership plan. * If a sponsor is a Web 3 user:   + They will be able to purchase the subscription plan using crypto funds.     - If the sponsor has funds in their wallet then they will be able to purchase the plan with the funds they have.     - If they don’t have funds in their wallet, in that case, they will be able to add the funds using the Metamask wallet and then will be able to purchase the membership plan.   After purchasing the plan, NFT is credited to the sponsor's account and displayed in the user's profile. |
| 1.3.4 | Functional Requirement | **Upgradation/Degradation of Subscription:**  Enable the sponsor to upgrade or degrade the subscription plan.   * In the case of upgrading the plan, the sponsor will be supporting the dogs randomly assigned to them on the platform and NFT metadata will get updated automatically. * In the case of degrading the plan, the user will be supporting the dogs randomly that were assigned to them on the platform and NFT metadata will get updated automatically. |
| 1.3.5 | Functional Requirement | **Canceling of Subscription:**  Allow the sponsor to cancel the subscription plan whenever he wants; in this case, the user will still have the NFT but will be unable to view the dogs they support or receive notifications about the dogs. NFT metadata will be inactive.  Canceling of the subscription takes place automatically when funds are not there in the user's account |
| 1.4 | Platform User: User story | **Recurring Payment:**  As a sponsor, I should be notified whenever a recurring payment subscription option is available so that I am aware of when funds are deducted from my wallet at each cycle. |
| 1.4.1 | Functional Requirement | Enable the sponsor to receive notifications when funds are deducted from their wallet during recurring payments on the platform. |
| 1.4.2 | Functional Requirement | Allow the sponsor to receive notifications for both Web 2 and Web 3 users whenever recurring payment takes place both in fiat currency and in cryptocurrencies. |
| 1.5 | Platform User: User story | **Home page:**  As a sponsor, I should be able to view the home feed of the dogs so that I can view all the dogs feed to whom I support. |
| 1.5.1 | Functional Requirement | Enable the sponsor to view the feed of all the dogs listed on the platform. |
| 1.5.2 | Functional Requirement | Enable the sponsor to view the dogs that they are supporting according to the plan they purchase. |
| 1.5.3 | Functional Requirement | Enable the sponsor to interact with the post of the dogs or home feed of the dogs that they support by providing the option to the user to provide emojis reactions. |
| 1.5.4 | Functional Requirement | Enable the sponsor to interact with the dogs with emojis reactions so that the user can express their feelings with the help of emoji reactions. |
| 1.6 | Platform User: User story | **Profile Page:**  As a sponsor, I should be able to view my profile so that I can view all the dogs which I am supporting. |
| 1.6.1 | Functional Requirement | Enable the sponsor to view their relevant information in the profile section:   * Sponsor’s Full Name * Wallet address * Show the NFT under the profile according to the membership plan they have chosen. * List view of all the dogs currently supported and GalleryView of Dogs   + Clicking on any Dog will navigate to the Dog’s profile. |
| 1.6.2 | Functional Requirement | Enable the sponsor to edit the profile on the android/web app platform.   * In editing the profile the user will be able to perform certain functions:   + Sponsor’s Full Name   + Sponsors edit profile image |
| 1.7 | Platform User: User story | **Dogs Profile:**  As a sponsor, I should be able to view the dog's profile so that I can view the posts and the information associated with the dog. |
| 1.7.1 | Functional Requirement | Allow the sponsor to view the overview of the dog to whomever they are supporting. |
| 1.7.2 | Functional Requirement | Allow the sponsor to view the content and the basic information associated with the dog listed below:   * Name of the dog * Profile Picture of the dog * Age of the dog * Breed of the dog * Service History * Awards/Medals dog received * The story of the dog * Cool photo/video of the dog * Medals/Accolades (optional) - View PNG icons of medals if available of the dog. * Health Records of the dog in pdf format. * Emoji Status (would be a cool little element, can be combined with emoji).   **Examples** - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji |
| 1.8 | Platform User: User story | **Push Notifications:**   * As a sponsor I should be able to view the push notifications so that I can go and view the notifications that I received |
| 1.8.1 | Functional Requirement | Enable the sponsor to view the different push notifications received on the platform:   * A sponsor should be able to get a notification whenever a new dog has been added to the platform. * A sponsor should be able to get a notification when a dog’s profile has been updated from the handler’s end. * A sponsor should be able to get notifications about Any events happening on the platform. |
| 1.9 | Platform User: User story | **Settings:**   * As a sponsor I should be able to view the settings screen so that I can perform certain options if I want to. |
| 1.9.1 | Functional Requirement | Enable the sponsor to view the generic application settings listed below:   * **Account**   + The sponsor should be able to edit the name.   + The sponsor should be able to edit the profile image.   + The sponsor should be able to view the wallet address. * **Notifications**   + The sponsor should be able to enable or disable notifications from the settings screen. * **Payment**   + Sponsor should be able to manage the payment methods - Add & Manage Payment Methods   + The sponsor should be able to view the payment history for both fiat and crypto in both the Android/web application. |

##### Persona #2: Handlers

| 2.1 | Platform User: User story | **Splash Screen:**  As a handler, I should be able to view the splash screen and the onboarding slides so that I can interact with the platform. |
| --- | --- | --- |
| 2.1.1 | Functional Requirement | Enable the handler to view the splash screen. |
| 2.1.2 | Functional Requirement | Enable the handler to view the onboarding slides that will highlight the product features on the platform. |
| 2.2 | Platform User: User story | **Registering of account:**  As a handler, I should be able to create my account so that I can log in on the platform. |
| 2.2.1 | Functional Requirement | Enable the handler first opens the application, the handler needs to attach the relevant credentials provided by the administrator to the handler, and after registering they will be able to access their account. |
| 2.2.2 | Functional Requirement | For the Creation of the account, the admin will be providing the relevant credentials to the handler. (User ID and Password) |
| 2.3 | Platform User: User story | As a handler I should be able to view a shortcut to open a camera so that I can scan the QR code which was attached to the dog's neck. |
| 2.3.1 | Functional Requirement | Enable the handler to view the shortcut to open the camera so that they will be able to scan the QR Code or NFC module attached to the dog's neck. |
| 2.3.2 | Functional Requirement | After scanning the QR Code, the handler will be able to open the dog’s profile automatically. |
| 2.3.3 | Functional Requirement | Allow the handler to only edit the medical report of the particular dog that he has come across by scanning the QR code or RF-iD attached to the dog. |
| 2.3.4 | Functional Requirement | Allow the handler to perform certain functions listed below:   * Creating a new post * Adding a description to the post created by the handler. * Auto-filling of date and time will be done when the data of the dog has been changed by the handler. * Once the handler clicks on the “**Submit**” button, the data will be saved. |
| 2.4 | Platform User: User story | **Dogs List:**  As a handler, I should be able to see the dog's list view so that I know which dogs I am caring for and also the information associated with that dog. |
| 2.4.1 | Functional Requirement | Enable the handler to view the number of dogs that they are managing on the platform. |
| 2.4.2 | Functional Requirement | * Enable the handler to view the following details of the dogs which are as follows:   + Name of the dog   + Profile Picture of the dog   + Age of the dog   + Breed of the dog   + Service History   + Awards/Medals dog received   + The story of the dog   + Cool photo/video of the dog   + Medals/Accolades (optional) - View PNG icons of medals if available of the dog.   + Health Records of the dog in pdf format.   + Only the Health records of the dog can be edited from the handler's end.   + Emoji Status (would be a cool little element, can be combined with emoji).   Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji |
| 2.5 | Platform User: User story | As a handler, I should be able to create the post from the homepage so that I can send it to the admin for approval and after confirmation, it can be shared by sponsors to other social media handles. |
| 2.5.1 | Functional Requirement | Allow the handler to open the camera on their mobile application and take a photo of the dog and can create content for the post. |
| 2.5.2 | Functional Requirement | Allow the handler to open the gallery on their mobile device and accordingly can select the photos and can create content for the post. |
| 2.5.3 | Functional Requirement | Enable the handler to have an option in the camera to select a single image or video and also multiple image or video option so that accordingly handlers can take a photo if he wants to click a photo and can also make a video if they want to make a video of the dog. |
| 2.5.4 | Functional Requirement | After creating the video or photo of the dog, handlers can add text content or the post caption regarding the image or video and can also view the timestamp as well. |
| 2.5.5 | Functional Requirement | Enable the handler to have the option to add multiple photos of the dog before creating the post. |
| 2.5.6 | Functional Requirement | Once the post has been made by the handler and once the handler clicks on submit button after adding the text content and photos or videos of the dog, it will be sent to the admin for their approval named “**Send to Approve**” |
| 2.5.7 | Functional Requirement | There will be filters for the handler from where the handler will be viewing the details of whether the post has been approved, rejected, and in approval pending state.   * **Approved** **-** The post that has been posted by the handler will be approved by the admin. * **Rejected** **-** The post that has been posted by the handler will be rejected by the admin. * **In Review** **-** The post that has been posted by the handle but has not been reviewed till now by the admin. |
| 2.6 | Platform User: User story | As a handler, I should be able to create the post from the dog’s profile so that I can send it to the admin for approval and after confirmation, it can be shared by sponsors to other social media handles. |
| 2.6.1 | Functional Requirement | Allow the handler to open the dog profile by clicking the dog profile icon. |
| 2.6.2 | Functional Requirement | Allow the handler to view lists of the dog's profile.   * status of post submitted * filter - approved, waiting for approval * rejected |
| 2.6.3 | Functional Requirement | Allow the handler to use filters to view rejected posts. |
| 2.6.4 | Functional Requirement | Allow the handler to view and edit rejected posts. If required edit the posts and submit for approval to the admin. |
| 2.7 | Platform User: User story | **Push Notifications:**  As a handler, I should be able to view the push notifications so that I can go and view the notifications that I received |
| 2.7.1 | Functional Requirement | Enable the handler to receive the push notification whenever the content status that the handler will be uploading has been approved or rejected by the admin. |
| 2.7.2 | Functional Requirement | Enable the handler to receive a notification whenever the sponsor reacts to the post of the dog. |
| 2.8 | Platform User: User story | As a handler I should be able to view the settings screen so that I can perform certain options if I want to. |
| 2.8.1 | Functional Requirement | **Generic Settings**   * In the settings page, the handler will be able to view the account information. |

##### Persona #3: Admin

| 3.1 | Platform Admin: User story | **Sponsor’s List:**  As a platform admin I should be able to view the sponsor's list so that I can view all the sponsors which are listed on the platform. |
| --- | --- | --- |
| 3.1.1 | Functional Requirement | The admin will be able to view the following data of the sponsor:   * Sponsor's name * Joining date of the sponsor * Wallet address of the sponsor. * Status whether the sponsor is active/ inactive or suspended * Subscription Plan they have subscribed to. * Total value or money provided by the sponsor till now. * The dogs that the sponsor is supporting. * **“View more”**, on clicking on view more, the admin will be able to view the detailed information about the dogs that the sponsor supports * Name of the dog * Profile Picture of the dog * Age of the dog * Breed of the dog * Service History * Awards/Medals dog received * The story of the dog * Cool photo/video of the dog * Health Records of the dog * Emoji Status (would be a cool little element, can be combined with emoji). * Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji |
| 3.2 | Platform Admin: User story | **Handler’s List:**  As a platform admin I should be able to view the handler’s list so that I can view all the handlers which are listed on the platform. |
| 3.2.1 | Functional Requirement | Enable the admin to view the following list:   * Handler's name * User ID or Email address of the handler * Password of the handler. * Joining date of the handler * Number of dogs handled by the handler. * On clicking on each dog, the admin should be able to view the dog’s profile and other relevant information about that particular dog * Name of the dog * Profile Picture of the dog * Age of the dog * Breed of the dog * Service History * Awards/Medals dog received * The story of the dog * Cool photo/video of the dog * Health Records of the dog * Emoji Status (would be a cool little element, can be combined with emoji).   Examples - Sleeping emoji, Playing Emoji, Eating Emoji, Bored emoji |
| 3.3 | Platform Admin: User story | **Handler’s List:**  As a platform admin I should be able to add a handler to the handler’s list |
| 3.3.1 | Functional Requirement | Enable the admin to add the handler from the platform.  On adding the handler, the user will be adding the credentials of the handler listed below:   * Full Name * Email address * Joining Date * Address (optional) |
| 3.4 | Platform Admin: User story | **Handler’s List:**  As a platform admin I should be able to delete the handler profile |
| 3.4.1 | Functional Requirement | Enable the admin to delete the handler from the platform. On deleting the handler from the application the handler will not be able to log in afterward and the data of the handler will be permanently deleted. |
| 3.4.2 | Functional Requirement | Enable the admin to soft delete the handler from the platform. |
| 3.5 | Platform Admin: User story | **Handler’s List:**  As a platform admin I should be able to update the handler profile |
| 3.5.1 | Functional Requirement | Enable the admin to update the handler from the platform.   * Name * Email address * DOJ etc |
| 3.6 | Platform Admin: User story | **Handler’s List:**  As a platform admin I should be able to suspend the handler profile |
| 3.6.1 | Functional Requirement | Enable the admin to suspend the handler and on suspending the handler from the platform, and will automatically be logged out of the application and the data of the handler will be soft deleted.  The handler will be able to log in to the application by simply logging in again on the platform because there is a possibility to reinstate the handler. |
| 3.7 | Platform Admin: User story | **Dogs List:**  As a platform admin I should be able to view the dog’s list so that I can view all the dogs which are listed on the platform. |
| 3.7.1 | Functional Requirement | Enable the admin to view all the dogs listed on the platform.   * The admin will be able to view the following list of all the dogs listed on the platform:   + Name of the dog   + Creation/Joining date of the dog.   + Status of the dog (Active/Inactive)   + Profile Picture of the dog   + Age of the dog   + Breed of the dog   + Service History   + Awards/Medals dog received   + The story of the dog   + Cool photo/video of the dog   + Health Records of the dog   + Medals/Accolades (optional) - Upload PNG icons of medals if available to the dog.   + Medical Reports - Uploading of medical documents in pdf document.   + Adding Medical Reports of the dog by providing relevant information     - Title     - Short description     - PDF uploads |
| 3.8 | Platform Admin: User story | **Dogs List:**  As a platform admin I should be able to add a dog |
| 3.8.1 | Functional Requirement | Enable the admin to add a dog to the dog’s list.   * Name of the dog * DOJ * Profile picture * Age * Service History etc |
| 3.9 | Platform Admin: User story | **Dogs List:**  As a platform admin I should be able to update a dog |
| 3.9.1 | Functional Requirement | Enable the admin to update a dog from dog’s list,   * Name of the dog * DOJ * Profile picture * Age * Service History, etc |
| 3.10 | Platform Admin: User story | **Dogs List:**  As a platform admin I should be able to delete a dog. |
| 3.10.1 | Functional Requirement | Enable the admin to delete a dog from the dog’s list. In case of deleting the dogs from the platform, all the information associated with the dog will be permanently deleted from the platform. |
| 3.11 | Platform Admin: User story | **Dogs List:**  As a platform admin I should be able to suspend a dog. |
| 3.11.1 | Functional Requirement | Enable the admin to suspend a dog from the dog’s list. In case of suspending the dogs from the platform, it will not be visible on the sponsor’s application. |
| 3.12 | Platform Admin: User story | **Admin Authorities:**  As a platform admin I should be able to perform certain functions so that I can update anything on the platform. |
| 3.12.1 | Functional Requirement | Enable the admin to view the dashboard.   * In the dashboard, the admin will be able to view the active sponsors on the platform. * In the dashboard, the admin will be able to view the total Sponsors * In the dashboard, the admin will be able to view all the donations received in USD dollars till date. * In the dashboard, the admin will be able to view the initial 8 content approval requests that were sent by the handler to the admin and a call to action button where they will be able to view the content module screen. |
| 3.12.2 | Functional Requirement | Enable the admin to automatically generate the quarterly report of the dog in PDF format which will be shown to the sponsors. |
| 3.13 | Platform Admin: User story | **Admin Authorities:**  As a platform admin of a particular brand I should be able to add Membership plans from the platform. |
| 3.13.1 | Functional Requirement | Enable the admin of the particular brand i.e WDF to add plans from the platform.   * On adding the new plan, the admin needs to add the following items:   + Package Name   + Number of dogs to support   + Price per month. * On creating the plan details of the plan provided by the admin are as follows:   + Name of the plan   + Description associated.   + NFT   + Image/gif/video of the dog. |
| 3.14 | Platform Admin: User story | **Admin Authorities:**  As a platform admin of a particular brand I should be able to update plans from the platform. |
| 3.14.1 |  | Enable the admin of the particular brand i.e. WDF in this case to update plans from the platform.   * The admin needs to update the following items:   + Package Name   + Number of dogs to support   + Price per month. * Update the plan details as follows:   + Name of the plan   + Description associated.   + NFT   + Image/gif/video of the dog. |
| 3.15 | Platform Admin: User story | **Admin Authorities:**  As a platform admin of a particular brand I should be able to delete plans from the platform. |
| 3.15.1 | Functional Requirement | Enable the admin of the particular brand i.e. WDF to update plans from the platform. |
| 3.16 | Platform Admin: User story | As a platform admin I should be able to view the content list provided by the handler to the admin for their approval so that I can review and accordingly will approve or reject the content. |
| 3.16.1 | Functional Requirement | Enable the admin to view the content list posted by the handler in the tabular format:   * Title * Thumbnail (optional) * Date * Posted by - Handler Name * Status - To be Approved/Rejected/Published |
| 3.16.2 | Functional Requirement | Enable the admin to view the content listed which was posted by the handler.   * The admin will approve the content posted by the handler named “**Approved**” * Once the content has been approved by the admin then from the admin side the transaction is signed and the fingerprint will be uploaded on the blockchain and the content will be published by the admin on the platform. * Once the content has not been approved from the admin side, there will be an option of passing the comments of why the content had been rejected from the admin’s end and will be sent to the handler and it will be optional for the admin. * Once the content has been approved by the admin, it will be published and it will be shown in the content list posted by the admin in the admin section. |
| 3.17 | Platform Admin: User story | As a platform admin I should be able to view the settings screen so that I can perform certain options if I want to. |
| 3.17.1 | Functional Requirement | Enable the user to view the basic settings screen such as WDF (Brand Name) and the signing keys. |
| 3.18 | Platform Admin: User story | As a platform admin I should be able to sign the transaction on the blockchain so that I can perform the necessary functions from the blockchain’s end that are needed for the platform. |
| 3.18.1 | Functional Requirement | Admin will have a custodial wallet.  If a new brand has been added and a membership NFT smart contract is not created for that brand, the admin needs to create/deploy a membership NFT smart contract that will represent membership NFTs of that brand. |
| 3.18.2 | Functional Requirement | Admin wallet will transfer funds from the sponsor’s wallet to the treasury wallet whose subscription has ended. Admin wallet will be used by the backend for auto recurring payment option. |
| 3.18.3 | Functional Requirement | If the admin wishes to add more crypto token support for recurring payments, the admin will need to initiate a transaction to add a new Polygon chain-supported token address to the recurring payment contract to start receiving payment in the new token. |
| 3.18.4 | Functional Requirement | To add new dog information, enable the admin to create a new dog by performing a transaction using their custodial wallet. Dog information will be added to the contract, which will allow the handler to upload content to the contract based on the dog. |
| 3.18.5 | Functional Requirement | Admin will be signing the transaction for the content created by the handler’s end, and then will be published by the admin on the sponsor's application.  This transaction also performs by the admin custodial wallet. |
| 3.19 | Platform Admin: User story | As a platform admin I should be able to create a membership plan for the sponsors and sign a blockchain transaction for it so that when sponsors buy the plan, they can get an NFT. |
| 3.19.1 | Functional Requirement | Allow the admin to create a new plan for the sponsor's platform and pass the relevant plan information, and the plan will be created for the sponsors as soon as the admin signs a transaction on the blockchain. |
| 3.19.2 | Functional Requirement | As the sponsor purchases the membership plan that was created by the admin on the platform to support the dogs, they will receive an NFT on their account. |
| 3.19.3 | Functional Requirement | After the sponsor upgrades or degrades their membership plan, the NFT’s metadata will be updated automatically. |
| 3.19.4 | Functional Requirement | After the sponsor cancels their membership plan, the sponsor will still have the NFT but will be unable to view the dogs they support or receive notifications about the dogs.  NFT metadata will be inactive. |

### Appendix A: Deliverables

* Logic/financial flow schematic:
* Query Log: [Query log Link](https://docs.google.com/spreadsheets/d/1g2k0hGURGas0rCC8Xdx7AFzO_EfYUOcy/edit#gid=2030551232)
* Wireframes: [Sponsors LOW-fidelity](https://www.figma.com/file/DQHOfhSU0QHuxfAuRpiJeY/Warrior-Dog?node-id=0-1&t=R2XTEk2snwWwDTI2-0), [Handlers LOW-fidelity](https://www.figma.com/file/DQHOfhSU0QHuxfAuRpiJeY/Warrior-Dog?node-id=191-16633&t=R2XTEk2snwWwDTI2-0)
* Figma designs: <<insert link here>>
* Brand Guidelines: <<insert link here>>