
<Group 05>

AuraSky - NFT MarketPlace

Use-Case Specification

Version 1.2

Group ID: 05

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04/Nov/23	1.0	Create use-cases and describe each case in detail Manh, Dung, Hoang, Minh: use-case model Manh: 2.1, 2.2, Dung: 2.3, 2.4, Hoang: 2.5, 2.6, Minh: 2.7, 2.8,	Duong Tuan Dung, Nguyen Duc Manh, Pham Viet Hoang, Le Nguyen Quang Minh
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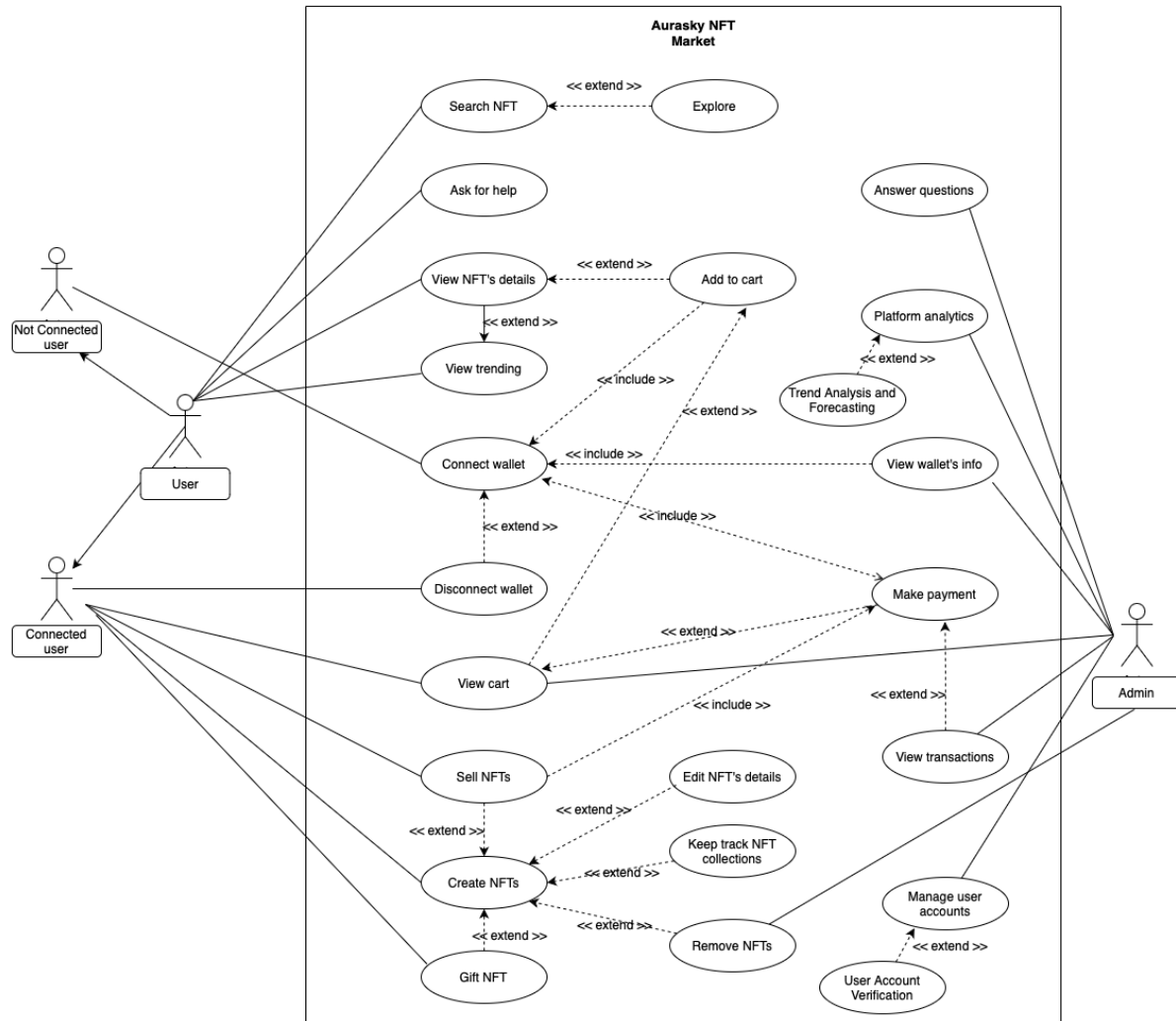
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1. Use-Case Model



2. Use-case Specifications

2.1 Use-case: Connect wallet

Use case ID	U001
Use case Name	Connect wallet
Brief Description	This use case involves the process of a user connecting their crypto wallet to the NFT marketplace to enable transactions and manage their digital assets.
Actors	User (Not connected yet)

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Pre-conditions	Users goes to homepage at www.aurasky.io (for example) Users should have a compatible crypto wallet with sufficient funds and the capability to interact with the marketplace.
Post-conditions	Users connected successfully and linked to their NFT marketplace account., then they can explore a bunch of wonderful functions in our website.
Basic Flow	<ol style="list-style-type: none"> The user navigates to the account settings or wallet section in Aurasky marketplace website. Select Connect Wallet: <ul style="list-style-type: none"> The user selects the option to "Connect Wallet" from the provided choices. Choose Wallet Type: <ul style="list-style-type: none"> The system presents a list of supported wallet types (MetaMask...) The user chooses their specific wallet type. Authorize Connection: <ul style="list-style-type: none"> Aurasky marketplace prompts the user to authorize the connection between their crypto wallet and Aurasky. The user confirms the connection on their wallet application. Sign wallet: Confirmation: <ul style="list-style-type: none"> Aurasky displays a confirmation message notifying the user that their wallet is successfully connected
Alternative Flows	<ol style="list-style-type: none"> Wallet Connection Failure <ul style="list-style-type: none"> If the connection to the wallet fails, the system notifies the user and provides troubleshooting steps. The user can retry the connection or choose an alternative wallet. User Cancels Connection: <ul style="list-style-type: none"> If the user decides to cancel the wallet connection during the process, the system returns to the previous state, and no connection is established. Authentication Failure: <ul style="list-style-type: none"> In case the wallet authentication fails, the system prompts the user to re-authenticate and ensures a secure connection.

2.2 Use-case: Disconnect wallet

Use case ID	U002
Use case Name	Disconnect wallet
Brief Description	This use case involves the process of a user disconnecting their crypto wallet from the NFT marketplace, terminating the connection for security or privacy reasons.
Actors	User (Connected User)
Pre-conditions	The user must have an active and connected crypto wallet linked to our NFT marketplace

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	account.
Post-conditions	The user's crypto wallet is successfully disconnected from our NFT marketplace account.
Basic Flow	<ol style="list-style-type: none"> 1. Select Disconnect Wallet: <ul style="list-style-type: none"> - The user chooses the option to "Disconnect Wallet" from the provided choices. 2. Confirmation Prompt: <ul style="list-style-type: none"> o Aurasky displays a confirmation prompt informing the user about the implications of disconnecting the wallet. o The prompt may mention that disconnected wallets won't be able to perform transactions on the platform. 3. User Confirmation: <ul style="list-style-type: none"> o The user confirms their intention to disconnect the wallet. 4. Terminate Connection: <ul style="list-style-type: none"> o Our NFT marketplace terminates the connection with the user's crypto wallet, revoking access to wallet-related functionalities. 5. Confirmation Message: <ul style="list-style-type: none"> o The system displays a confirmation message notifying the user that their wallet is successfully disconnected.
Alternative Flows	<ol style="list-style-type: none"> 1. Cancel Disconnect Operation: <ul style="list-style-type: none"> - If the user decides to cancel the disconnect operation during the confirmation step, the system returns to the previous state, and no disconnection occurs. 2. Pending Transactions: <ul style="list-style-type: none"> - If the user has pending transactions, notify them that disconnecting the wallet may impact the completion of those transactions. - The user can choose to proceed with the disconnection or wait until the transactions are completed.

2.3 Use-case: Search NFTs

Use case ID	U003
Use case Name	Search NFTs
Brief Description	This use case involves users searching for specific NFTs or exploring a collection based on various criteria within the Aurasky marketplace.
Actors	User (connected or not connected yet)
Pre-conditions	Users goes to homepage at www.aurasky.io (for example) The user must be logged into their NFT marketplace account.
Post-conditions	Users successfully find the right NFT for them

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	The user can view a list of NFTs that match their search criteria.
Basic Flow	<ol style="list-style-type: none"> Access Search Functionality: <ul style="list-style-type: none"> The user navigates to the search bar or search feature within Aurasky Enter Search Query: <ul style="list-style-type: none"> The user enters keywords, artist names, or other relevant criteria into the search bar. Filter Options (Optional): <ul style="list-style-type: none"> Provides optional filters such as category, price range, or attributes related to the NFTs. The user may choose to apply these filters to narrow down their search. Initiate Search: <ul style="list-style-type: none"> The user initiates the search by clicking a "Search" button or hitting "Enter" on the keyboard. Display Search Results: <ul style="list-style-type: none"> Aurasky displays a list of NFTs that match the user's search criteria. Each result includes essential information such as the NFT image, title, artist, and price.
Alternative Flows	<ol style="list-style-type: none"> No Search Results: <ul style="list-style-type: none"> If the search query does not yield any results, We notify the user and may suggest alternative search terms or categories. Refine Search: <ul style="list-style-type: none"> The user can refine their search by modifying the query or applying additional filters without starting a new search. Saved Searches: <ul style="list-style-type: none"> Users may have the option to save their frequently used or favorite search queries for quick access in the future.

2.4 Use-case: Create NFTs

Use case ID	U004
Use case Name	Create NFTs
Brief Description	This use case involves artists or content creators listing their digital assets as NFTs on the NFT marketplace.
Actors	User
Pre-conditions	Users need connect crypto wallet The creator should have digital content (e.g., digital art, music, videos) that they want to tokenize as NFTs.
Post-conditions	The creator's NFTs successfully create NFTs and keep track or list on the marketplace to sell

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Basic Flow	<ol style="list-style-type: none"> At the homepage, the user enters the “Account”. Users click on the Create button to create NFT themselves and go to the upload screen Upload Digital Content: <ul style="list-style-type: none"> The creator uploads the digital file or content they want to tokenize as an NFT (images, audio files, videos,...) Set their NFT’s details: <ul style="list-style-type: none"> Provide details about the NFT, including title, description, category, and any additional metadata. The user goes on to name the NFTs and chooses the network of those NFTs Confirmation Message: <ul style="list-style-type: none"> The system displays a confirmation message notifying users that their NFTs have been successfully created Keep track of NFTs into their own collections. Now the user has to use money to mint the newly created NFTs user (probably money = fee mint + fee of market)
Alternative Flows	<ol style="list-style-type: none"> Edit NFT Listing: <ul style="list-style-type: none"> Users may choose to edit some details or make changes before finalizing the creation. Cancel NFT Creation: <ul style="list-style-type: none"> At any point before creation, users may choose to cancel the NFT creation process Draft Mode: <ul style="list-style-type: none"> The system may support a draft mode where users can save their progress and return later to complete or edit the NFT creation.

2.5 Use-case: Sell NFTs

Use case ID	U005
Use case Name	Sell NFTs
Brief Description	This use case involves a user (seller) listing their owned NFTs for sale on the NFT marketplace.
Actors	User (User with NFTs to sell)
Pre-conditions	<ul style="list-style-type: none"> Users goes to homepage at www.aurasky.io Users connected successfully Users must have NFTs in their portfolio that they want to sell.
Post-conditions	The NFTs are successfully listed for sale on the marketplace, and potential buyers can view and purchase them.
Basic Flow	<ol style="list-style-type: none"> Access NFT Portfolio: <ul style="list-style-type: none"> Users navigate to the NFT portfolio within the Aurasky marketplace

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	<p>application.</p> <ol style="list-style-type: none"> 2. Select NFT for Sale: <ul style="list-style-type: none"> - Users choose a specific NFT from their portfolio that they want to list for sale. 3. Set Sale Details: <ul style="list-style-type: none"> - The user provides details about the sale, including the pricing (if fixed), auction parameters (if applicable), and any additional information. 4. Preview NFT Sale Listing: <ul style="list-style-type: none"> - Generates a preview of how the NFT sale listing will appear on the marketplace, including the provided details, images, and pricing information. - The user reviews the preview and makes any necessary adjustments. 5. Publish NFT Sale: <ul style="list-style-type: none"> - The user confirms the sale details and initiates the process to publish the NFT for sale AuraSky 6. Confirmation Message: <ul style="list-style-type: none"> - The system displays a confirmation message notifying the seller that their NFT is successfully listed for sale on AuraSky
Alternative Flows	<ol style="list-style-type: none"> 1. Edit NFT Sale Listing: <ul style="list-style-type: none"> - After previewing the NFT sale listing, the users choose to edit some details or make changes before finalizing the publication. 2. Cancel NFT Sale: <ul style="list-style-type: none"> - At any point before publishing, the user may choose to cancel the NFT sale process, and no listing will be created. 3. Draft Mode: <ul style="list-style-type: none"> - The system may support a draft mode where users can save their progress and return later to complete or edit the NFT sale listing.

2.6 Use-case: View Cart

Use case ID	U009
Use case Name	View Cart
Brief Description	This use case involves a user (buyer) viewing the contents of their shopping cart on the NFT marketplace before proceeding to checkout.
Actors	User (User with items in the shopping cart)
Pre-conditions	Users must be connected into our Marketplace. Users should have added one or more NFTs to their shopping cart.
Post-conditions	Users can review the items in their shopping cart and make decisions about proceeding to checkout or making modifications.
Basic Flow	<ol style="list-style-type: none"> 1. Access Shopping Cart:

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	<ul style="list-style-type: none"> - The buyer navigates to the shopping cart section within the AuraSky. <ol style="list-style-type: none"> 2. View Cart Contents: <ul style="list-style-type: none"> - Display a list of NFTs that the buyer has added to their shopping cart. - Each item includes details such as the NFT image, title, artist, and price. 3. Review Item Details: <ul style="list-style-type: none"> - Click on individual items in the cart to view more details, including a larger image, description, and any additional information. 4. Update Quantity (Optional): <ul style="list-style-type: none"> - Users may have the option to update the quantity of each NFT in the shopping cart or remove items entirely. 5. View Total Price: <ul style="list-style-type: none"> - We calculate and display the total price of all items in the shopping cart, including any taxes or fees.
Alternative Flows	<ol style="list-style-type: none"> 1. Empty Cart: <ul style="list-style-type: none"> - The system notifies users that there are no items in the cart and may suggest exploring the marketplace to find NFTs to add. 2. Continue Shopping: <ul style="list-style-type: none"> - The users, while in the cart view, may choose to continue shopping and add more NFTs to their cart before proceeding to checkout. 3. Remove Items: <ul style="list-style-type: none"> - The user can choose to remove one or more items from the shopping cart, adjusting the cart contents.

2.7 Use-case: Make Payment

Use case ID	U010
Use case Name	Make Payment
Brief Description	This use case involves a user (buyer) making a payment for the NFTs in their shopping cart on the NFT marketplace.
Actors	User (User ready to complete a purchase)
Pre-conditions	Users must be connected with our NFT marketplace. Users should have added one or more NFTs to their shopping cart. The User's payment details must be stored or entered during the payment process.
Post-conditions	User successfully completes the payment, and the purchased NFTs are associated with their account.
Basic Flow	<ol style="list-style-type: none"> 1. Access Checkout: <ul style="list-style-type: none"> - Checkout or payment section within the NFT marketplace after viewing their shopping cart. 2. Review Order Details: <ul style="list-style-type: none"> - Display a summary of the order, including the list of NFTs, quantities,

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	<p>total price, and any applicable taxes or fees.</p> <ul style="list-style-type: none"> - User reviews the order details to ensure accuracy. - User confirms that the information is correct and agrees to the terms of purchase. <p>3. Initiate Payment:</p> <ul style="list-style-type: none"> - The buyer initiates the payment process by clicking a "Submit" or "Pay Now" button. <p>4. Payment Processing:</p> <ul style="list-style-type: none"> - The NFT marketplace communicates with the selected payment gateway to process the payment securely. <p>5. Payment Confirmation:</p> <ul style="list-style-type: none"> - Upon successful payment processing, the system displays a confirmation message, indicating that the payment was successful. - Successful payment -> Step #6 <p>6. System will receive the possession from the buyers, then send the NFTs to them, then send the money back to the sellers. A popup will notify the status of this transaction to the user (success). This use case ends here, move back to the screen before the 'View cart' use case.</p> <p>7. Provide Purchase Receipt:</p> <ul style="list-style-type: none"> - The system generates a purchase receipt, including details such as the transaction ID, date, and a summary of the purchased NFTs.
Alternative Flows	<p>1. Payment Failure:</p> <ul style="list-style-type: none"> - If the payment processing fails (insufficient funds, declined card), the system provides an error message with instructions on how to resolve the issue. <p>2. Cancel Purchase:</p> <ul style="list-style-type: none"> - At any point before the final confirmation, users may choose to cancel the purchase, and no payment is processed. <p>3. In this case, 'Buy' button is not usable, a warning will be displayed since the user does not satisfy all the requirements.</p> <p>4. The selected NFTs are not available when purchasing</p> <ul style="list-style-type: none"> - In the #6th step in the Basic Flow, if the NFTs are no longer in the system wallet, the system must pay the money back to the buyers.

2.8 Use-case: View NFTs Detail

Use case ID	U011
Use case Name	View NFTs Detail
Brief Description	This use case involves a user clicking on an NFT card to view detailed information about a specific NFT on the NFT marketplace.
Actors	User
Pre-conditions	Users must be connected with our NFT marketplace. Our Marketplace must have NFT cards displayed, each representing a specific NFT.

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Post-conditions	The user gains more information about the selected NFT, including details about the artwork, artist, and any other relevant information.
Basic Flow	<ol style="list-style-type: none"> 1. Navigate to NFT Marketplace: <ul style="list-style-type: none"> - The user navigates to our website 2. Browse NFT Cards: <ul style="list-style-type: none"> - The system displays a grid or list of NFT cards, each representing a specific NFT available for purchase. 3. Click on NFT Card: <ul style="list-style-type: none"> - Click on a specific NFT card that interests them, indicating their desire to view more details about that particular NFT. 4. Load NFT's detail Page: <ul style="list-style-type: none"> - Load a dedicated page or modal window displaying detailed information about the selected NFT. 5. View NFT Image: <ul style="list-style-type: none"> - The detailed page prominently displays the image or multimedia content of the NFT, allowing the user to appreciate the artwork. 6. Read NFT Description: <ul style="list-style-type: none"> - Read a detailed description of the NFT, including information about the artist, the creation process, and any unique features. 7. Check Artist Wallet and information: 8. See Pricing and Availability: <ul style="list-style-type: none"> - View the pricing information, availability status ("For Sale," "Sold Out"), and any related purchasing options.
Alternative Flows	<ol style="list-style-type: none"> 1. Back to NFT Cards: <ul style="list-style-type: none"> - The user has the option to navigate back to the main display of NFT cards if they decide not to proceed with the selected NFT. 2. Save for Later: <ul style="list-style-type: none"> - Offer an option for the user to save the NFT for later consideration or add it to a wishlist. 3. Share NFT: <ul style="list-style-type: none"> - Share the details of the NFT through social media, email, or other communication channels.

2.9 Use-case: Add to Cart

Use case ID	U012
Use case Name	Add to Cart
Brief Description	This use case involves a user adding a specific NFT to their shopping cart on the NFT marketplace.
Actors	User

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Pre-conditions	Users must be connected with our NFT marketplace. Our Marketplace must have NFT cards displayed, each representing a specific NFT.
Post-conditions	The selected NFT is added to the user's shopping cart.
Basic Flow	<ol style="list-style-type: none"> 1. Navigate to NFT Marketplace: <ul style="list-style-type: none"> - The user navigates to the NFT marketplace. 2. Browse NFT Cards: <ul style="list-style-type: none"> - The system displays a grid or list of NFT cards, each representing a specific NFT available for purchase. 3. Click on NFT Card: <ul style="list-style-type: none"> - Users click on a specific NFT card that interests them, indicating their desire to add it to their shopping cart. 4. Add to Cart: <ul style="list-style-type: none"> - The system adds the selected NFT to the user's shopping cart. 5. Display Shopping Cart Status: <ul style="list-style-type: none"> - The system may display a visual indicator or notification confirming that the NFT has been successfully added to the user's shopping cart
Alternative Flows	<ol style="list-style-type: none"> 1. NFT is no longer available for selling <ul style="list-style-type: none"> - When viewing the NFT, it can happen that the NFT is bought from someone else. In this case, the 'Add to cart' will raise an error to the user and the item is not added to the cart. 2. View Cart Immediately: <ul style="list-style-type: none"> - Provide an option for the user to immediately view their shopping cart after adding an item. 3. Save for Later: <ul style="list-style-type: none"> - The user may have the option to save the selected NFT for later consideration instead of adding it to the cart.

2.10 Use-case: Keep Track Your NFT

Use case ID	U013
Use case Name	Keep Track Your NFT
Brief Description	This use case involves users keeping track of the NFTs they have created and listed on the NFT marketplace.
Actors	User
Pre-conditions	Users must be connected with our NFT marketplace. Users have successfully created and listed one or more NFTs on the marketplace.
Post-conditions	Users have access to a record or dashboard showing the NFTs they have created, their status, and relevant details.

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Basic Flow	<ol style="list-style-type: none"> 1. Navigate to dashboard: <ul style="list-style-type: none"> - Navigate to users' dashboard or a section dedicated to managing their NFTs 2. View List of Created NFTs: <ul style="list-style-type: none"> - Display a list of NFTs that the creator has successfully created and listed on the marketplace. - Each entry includes details such as the NFT image, title, creation date, and current status. 3. Filter and Sort Options: <ul style="list-style-type: none"> o Provide filter and sort options, allowing the creator to organize their NFTs based on criteria such as creation date, status, or category. 4. View NFT's details: <ul style="list-style-type: none"> o Click on individual NFT entries to view more detailed information about each NFT
Alternative Flows	<ol style="list-style-type: none"> 1. The selling list is empty <ul style="list-style-type: none"> - There must be a message for the users in this case. 2. Pending Approval: <ul style="list-style-type: none"> - If an NFT is still pending approval by AuraSky, the system indicates its status and provides an estimated time for approval. 3. Sold Out or Retired: <ul style="list-style-type: none"> - If an NFT is sold out or retired by the creator, the system reflects this status, and the creator may have options to view historical data or relist similar NFTs.

2.11 Use-case: View Trending, The most Searched, The most Valuable NFTs

Use case ID	U014
Use case Name	View trending, the most searched, the most valuable NFTs
Brief Description	This use case involves users exploring and viewing NFTs that are currently trending, most searched, or considered the most valuable on the NFT marketplace.
Actors	User, NFT Marketplace
Pre-conditions	The NFT marketplace should have a mechanism for tracking and ranking trending, most searched, and most valuable NFTs.
Post-conditions	The user gains insights into the current popular, highly searched, or valuable NFTs on the marketplace.
Basic Flow	<ol style="list-style-type: none"> 1. Select View Trending NFTs: <ul style="list-style-type: none"> - The user clicks on the option to view trending NFTs, indicating their interest in discovering what is currently popular on the platform. 2. View Trending NFTs List:

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	<ul style="list-style-type: none"> - The system displays a list of NFTs that are currently trending, based on factors such as recent sales, high engagement, or social media mentions. - Each entry includes details such as the NFT image, title, artist, and current popularity metrics. <ol style="list-style-type: none"> 3. Select View Most Searched NFTs: <ul style="list-style-type: none"> - Click on the option to view the most searched NFTs, indicating their interest in exploring NFTs that have garnered significant search interest. 4. View Most Searched NFTs List: <ul style="list-style-type: none"> - The system displays a list of NFTs that are the most searched on the platform, providing insights into user interests and preferences. - Each entry includes details similar to the trending NFTs list.
Alternative Flows	<ol style="list-style-type: none"> 1. Personalized Recommendations: <ul style="list-style-type: none"> - The system may incorporate personalized recommendations based on the user's browsing and purchasing history. 2. Time Period Filters: <ul style="list-style-type: none"> - Provide filters allowing the user to view trending, most searched, or most valuable NFTs over specific time periods (daily, weekly, monthly).

2.12 Use-case: Remove NFTs

Use case ID	U016
Use case Name	Remove NFTs
Brief Description	This use case involves users deciding to remove one or more of their listed NFTs from the marketplace, indicating they no longer want to sell those specific items.
Actors	User wanting to remove NFTs from sale NFT Marketplace
Pre-conditions	Users must be connected with our NFT marketplace. Users must have one or more NFTs currently listed for sale on the marketplace.
Post-conditions	The selected NFTs are successfully removed from the seller's active listings on the marketplace.
Basic Flow	<ol style="list-style-type: none"> 1. Navigate to dashboard: <ul style="list-style-type: none"> - Users navigate to their dashboard or a section dedicated to managing their listed NFTs. 2. View List of Listed NFTs: <ul style="list-style-type: none"> - The system displays a list of NFTs that users currently have listed for sale on the marketplace. 3. Select NFTs to remove: <ul style="list-style-type: none"> - Users select one or more NFTs from their listed items that they want to remove from sale.

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	<ol style="list-style-type: none"> 4. Choose remove option: <ul style="list-style-type: none"> - The system provides an option or button for users to remove the selected NFTs from the marketplace. 5. Confirm Removal: <ul style="list-style-type: none"> - The user confirms their intention to remove the selected NFTs from sale. - Display a confirmation message notifying users that the selected NFTs have been successfully removed from sale.
Alternative Flows	<ol style="list-style-type: none"> 1. Cancel removal operation: <ul style="list-style-type: none"> - If the user decides to cancel the removal operation during the confirmation step, the system returns to the previous state, and no NFTs are removed. 2. Bulk removal: <ul style="list-style-type: none"> - The system may support a bulk removal option, allowing the seller to remove multiple NFTs at once.

2.13 Use-case: Update/Edit NFTs Details

Use case ID	U017
Use case Name	Update/Edit NFTs Details
Brief Description	This use case involves users making changes or updates to the details of their created and listed NFTs on the NFT marketplace.
Actors	User NFT Marketplace
Pre-conditions	Users must be connected with our NFT marketplace. Users must have started the NFT creation process or have one or more NFTs currently listed for sale on the marketplace.
Post-conditions	The edits or updates to the NFT details are successfully applied
Basic Flow	<ol style="list-style-type: none"> 1. Navigate to NFT Creation or Listed Collections: <ul style="list-style-type: none"> - Users navigate to the NFT creation interface if in the process of creating new NFTs or to the listed collections if managing existing NFTs on the marketplace. 2. View List of NFTs or Collections: <ul style="list-style-type: none"> - Display a list of NFTs being created or already listed for sale. - For NFT creation, it may show drafts, and for listed collections, it shows the NFTs available for purchase. 3. Select NFT to Update: <ul style="list-style-type: none"> - Users select one or more NFTs from their in-progress creations or listed items that they want to update. 4. Update NFT's details:

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	<ul style="list-style-type: none"> - Users can update various details such as: <ul style="list-style-type: none"> - title - description - category - pricing - any associated metadata. 5. Confirm Update: <ul style="list-style-type: none"> - Users confirm their intention to update the details of the selected NFTs. - Display a confirmation message notifying users that the selected NFTs' details have been successfully updated.
Alternative Flows	<ol style="list-style-type: none"> 1. Cancel Update Operation: <ul style="list-style-type: none"> - If users decide to cancel the update operation during the updating process, the system discards the changes and returns to the previous state. 2. Bulk Updating: <ul style="list-style-type: none"> - Support a bulk updating option, allowing users to update details for multiple NFTs at once.

2.14 Use-case: Manage user accounts

Use case ID	U018
Use case Name	Manage user accounts
Brief Description	This use case involves an administrator monitoring and managing the connected wallets
Actors	Admin
Pre-conditions	The admin must be logged into the admin dashboard of the NFT marketplace.
Post-conditions	Changes to connected wallets are successfully applied, and the wallet database is updated.
Basic Flow	<ol style="list-style-type: none"> 1. Access Admin Dashboard: <ul style="list-style-type: none"> - The admin logs into the admin dashboard of the NFT marketplace. 2. View List of Connected Wallets: <ul style="list-style-type: none"> - The system displays a list of connected wallets that are currently interacting with the NFT marketplace. 3. Search for Wallet: <ul style="list-style-type: none"> - The admin can utilize a search feature to find a specific wallet based on wallet addresses or other identifiers. 4. View Wallet Details: <ul style="list-style-type: none"> - View detailed information about the wallet, including transaction history and any associated user information. 5. Monitor Wallet Activity and Review Connected NFTs: 6. Take Action on Suspicious Activity:

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Alternative Flows	<ol style="list-style-type: none"> Handle Wallet Issues: <ul style="list-style-type: none"> If the admin identifies issues with a connected wallet (unusual behavior), they can take appropriate actions to address the concerns.
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2.15 Use-case: Ask for help

Use case ID	U019
Use case Name	Ask for help
Brief Description	This use case involves a user seeking assistance or support from the NFT marketplace platform.
Actors	User Admin
Pre-conditions	Users must have access to the platform
Post-conditions	The user receives assistance or information from the customer support team.
Basic Flow	<ol style="list-style-type: none"> Select "Ask for Help" Option: <ul style="list-style-type: none"> Provide an option for the user to ask for help, which may be in the form of a button, link, or dedicated form. Choose Help Category: <ul style="list-style-type: none"> Select the relevant help category or type of assistance they require. Categories may include account issues, transaction problems, technical difficulties, or general inquiries. Submit Help Request: Customer Support Team Review: <ul style="list-style-type: none"> We receive the help request, reviews the provided information, and categorizes it for further action. Respond to User: <ul style="list-style-type: none"> We respond to the user's help request through the platform's messaging system.
Alternative Flows	<ol style="list-style-type: none"> Provide Help Through Multiple Channels <ul style="list-style-type: none"> Offer support through various channels, such as live chat, phone support, or a knowledge base, based on user preferences. User Feedback <ul style="list-style-type: none"> After the issue is resolved, the system may prompt the user to provide feedback on their experience with the customer support process.

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2.16 Use-case: Gift NFTs

Use case ID	U019
Use case Name	Gift NFTs
Brief Description	This use case involves users sending NFTs as a gift to other users on the NFT marketplace.
Actors	Users
Pre-conditions	Both the gift giver and gift recipient must have connected with the NFT marketplace. The gift giver must have NFTs available for gifting in their account.
Post-conditions	The gifted NFTs are successfully transferred to the gift recipient's account.
Basic Flow	<ol style="list-style-type: none"> 1. Select NFTs for Gifting <ul style="list-style-type: none"> - Users navigate to their NFT collection and select one or more NFTs that they want to give to the recipient. 2. Choose "Gift" Option <ul style="list-style-type: none"> - The user interface website provides an "GIFT" button for the gift giver to give the selected NFTs. 3. Enter Recipient Information <ul style="list-style-type: none"> - User enters the recipient's username or wallet address to specify who will receive the gifted NFTs. 4. Attach Personalized Message 5. Review and Confirm Gift Transaction 6. Notify Gift Recipient <ul style="list-style-type: none"> o Send a notification to the gift recipient, informing them that they have received a gifted NFT including a link to claim the gift. 7. Claim Gift <ul style="list-style-type: none"> o Click the provided link or navigate to the designated section in their account to claim the gifted NFTs. 8. Transfer NFT Ownership <ul style="list-style-type: none"> o Transfer ownership of the gifted NFTs from the gift giver to the gift recipient.
Alternative Flows	<ol style="list-style-type: none"> 1. Unclaimed Gift Reminder <ul style="list-style-type: none"> - If the gift recipient does not claim the gifted NFTs within a specified period, the system may send a reminder notification to the recipient. - Go to step #2 2. Gift Refund <ul style="list-style-type: none"> - In certain circumstances, the system may allow the gift giver to refund the gifted NFTs if the recipient has not yet claimed them

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2.17 Use-case: View transactions

Use case ID	U019
Use case Name	View transactions
Brief Description	This use case involves an administrator reviewing transaction histories of users on the NFT marketplace for monitoring and support purposes.
Actors	Admin
Pre-conditions	The admin must be logged into the admin dashboard
Post-conditions	The admin gains insights into user transaction histories for monitoring and support purposes.
Basic Flow	<ol style="list-style-type: none"> Access Admin Dashboard <ul style="list-style-type: none"> The admin logs into the admin dashboard of the NFT marketplace. Search for User <ul style="list-style-type: none"> Provide a search feature allowing the admin to find a specific user based on usernames and wallet accounts. Access User Transaction History <ul style="list-style-type: none"> Within the user details page, the system provides an option for the admin to access the transaction history of the selected user. View User Transaction List <ul style="list-style-type: none"> Display a list of the selected user's transactions, including details such as transaction date, NFT details, transaction status, and any associated amounts. Click on Transaction for Details <ul style="list-style-type: none"> The admin can click on a specific transaction within the list to view additional details, such as: <ul style="list-style-type: none"> NFT details Transaction amount Fees Relevant timestamps.
Alternative Flows	<ol style="list-style-type: none"> Export User Transaction History <ul style="list-style-type: none"> The system may provide an option for the admin to export the user's transaction history for reporting or analyzing. View Specific Transaction Type <ul style="list-style-type: none"> The admin may have the option to filter transactions based on specific types, such as purchases only or sales only.

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2.18 Use-case: Platform analytics

Use case ID	U019
Use case Name	Platform analytics
Brief Description	This use case involves administrators accessing and utilizing analytics tools to gather insights and statistics about the overall performance
Actors	Admin
Pre-conditions	The admin must be logged into the admin dashboard
Post-conditions	The admin gains insights into platform analytics, allowing for informed decision-making and improvements
Basic Flow	<ol style="list-style-type: none"> 1. Access Admin Dashboard 2. Select Analytics Dashboard: <ul style="list-style-type: none"> - The admin selects the analytics dashboard to access a comprehensive overview of key performance indicators and metrics. 3. View General Platform Metrics <ul style="list-style-type: none"> - Display general platform metrics: <ul style="list-style-type: none"> - Total number of users - Total number of NFTs listed - Total number of transactions - Revenue generated - User engagement metrics 4. Explore User Behavior: <ul style="list-style-type: none"> - Explore user behavior analytics, including: <ul style="list-style-type: none"> - Most viewed NFTs - Most purchased NFTs - User activity patterns - Popular categories and artists 5. Analyze Transaction Data: <ul style="list-style-type: none"> - Provide insights into transaction data, such as: <ul style="list-style-type: none"> - Total transaction volume - Average transaction value - Frequency of transactions over time - Revenue distribution (fees, commissions) 6. Utilize Time-based Analytics: Allow the admin to analyze trends over time, providing insights into how platform metrics change on a daily, weekly, or monthly basis.
Alternative Flows	<ol style="list-style-type: none"> 1. Customized Analytics Reports <ul style="list-style-type: none"> - Provide the admin with the option to generate customized analytics reports based on specific parameters or metrics of interest. 2. Export Analytics Data <ul style="list-style-type: none"> - Dashboard may offer an export feature, allowing the admin to download

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	<p>analytics data for external analysis or reporting.</p> <p>3. Real-time Analytics</p> <ul style="list-style-type: none"> - Provide real-time analytics for up-to-the-minute insights into platform performance.
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