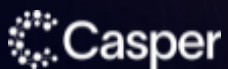




## Verified Impact NFTs Part 2

### Milestone 6 - Collection Management

Version 2.0



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## Introduction

### 1- Welcome to Verified Impact NFTs

- Welcome to the official Verified Impact NFTs docs. This manual aims to familiarize new and current users with Verified Impact NFTs, its products, and its services.


### 2- What is the Verified Impact NFTs website?

- Verified Impact NFTs is an open-source platform created by the community for the community with a mission to launch an open financial network to donate to different causes and guarantees that beneficiaries can control the revenue splits through Verified Impact NFTs smart contract.
- In any conventional donations platform, many bad actors pose as legitimate impact projects while depriving the actual projects of revenue. In the base case, the impact project would only receive a fraction of the proceeds because the creator of the NFT controls the contract.

### 3- Mission Statement

- This project has two main objectives:
  1. Creating a new type of NFT contract that will allow the beneficiary to issue a verified contract and the supporter of minting using this contract. The main benefit is that the funds will go directly to the verified beneficiary, who will control the percentage that goes to the support.
  2. Expanding the platform functionality to accommodate the complex needs of the philanthropy domain.

## Important Links

- Landing page: <https://verifiedimpactnfts.com/#/>
- Dev site: <https://dev.verifiedimpactnfts.com/>
- Casper Testnet: <https://testnet.cspr.live/>
- Staging: <https://staging.verifiedimpactnfts.com/#/>
- GitHub Repo: <https://github.com/AdelElMessiry/Verified-Impact-NFTs>
- GitHub Contract:  
<https://github.com/AdelElMessiry/Verified-Impact-NFTs/tree/main/contracts>
- Data Sheet:  VINFT Data

## Essential Definitions and abbreviations:

1. Beneficiary: The organization that will receive the sales proceeds. (verified through the KYB process)
2. Creator: The individual or entity that will be minting NFTs on the platform to be bought for collecting donations for a specific campaign.
3. Donor: The individual or entity who will buy the NFTs to donate tokens.
4. Campaign: A group of NFTs from one or more than one collection to be added together to serve a specific cause for a specific beneficiary.
5. Collection: A group of NFTs owned by only one creator/artist.
6. CSPR: The token used from Casper Network.
7. Requested Royalty: The beneficiary defines it as the specific share for the organization to support its cause from the sales of any NFT minted for any campaign of this beneficiary.

## Collection Management Overview

In this part the team add the ability for the creator user to create and Edit collections, tweeting about the collection , selling NFT and transferring NFTs without a purchasing to another wallet

Github code path:

<https://github.com/AdelElMessiry/Verified-Impact-NFTs/blob/main/src/markup/Element/AddEditCollectionsModal.js>

## The ability to create and edit collections.

### Adding a new Collection

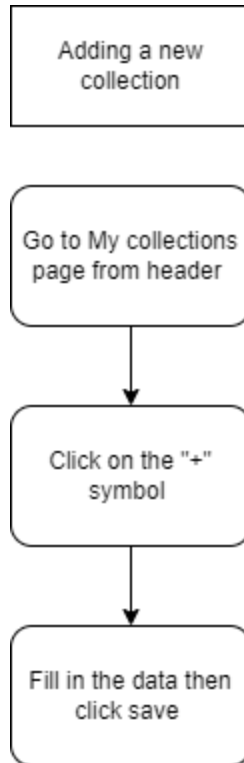
Collections are added often automatically after the creator mints his first card successfully however, our team made a stand-alone adding collection feature to just add a collection and mint later

The creator can follow these steps to add a collection :

1. From my collections, drop-down in the header choose “My Collections” then choose the “+” symbol.
2. There are two icons to mint a card or add a new collection. Choose the add collection icon ( you can hover over the 2 icons to differentiate between them )
3. Fill in the data of the collection and click save



4.



## Add Collection

Home > Add Collection

Name	URL
Description	

Add





5


## Editing a new Collection

- Collections can be added from the “My collections” page.
- Click on the “Pen” button and edit the data.

dev.verifiedimpactnfts.com/#/my-collections


ATUS: All NFTs

 [1 NFTS FROM THE TEST COLLECTION COLLECTION](#)   




### Edit Collection

Home > Edit Collection

A Hero's Stand  <https://thedigital.gov.ua/>

A hero's Stand collection has depicted the heroic symbol of the Ukrainian soldiers who died defending Zmiyni (Snake) Island which is located 48km (30 miles) south of Ukraine's mainland in the Black Sea

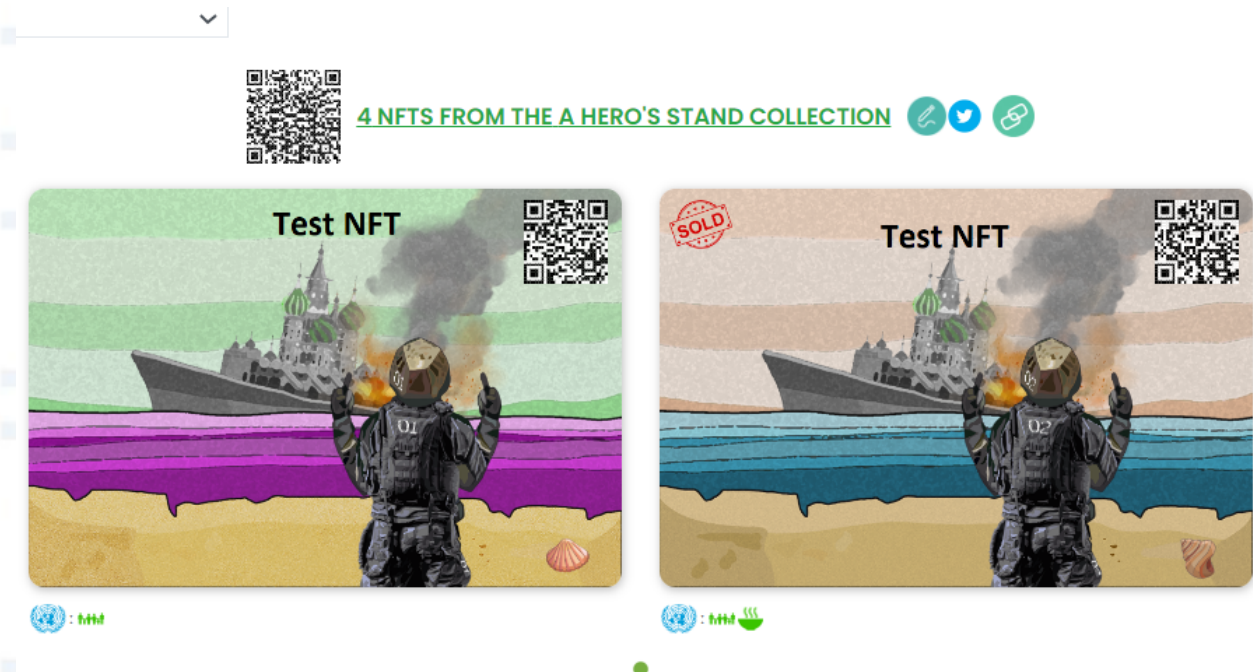


## The ability to tweet about the collection.

The users can tweet about a collection from the my collection page by clicking on Twitter icon next to the collection name.

Developer note: share collection button

<https://github.com/AdelElMessiry/Verified-Impact-NFTs/blob/main/src/markup/Pages/MyCollections.js#L764-L775>





## **The ability to transfer the NFT by offering for sale**

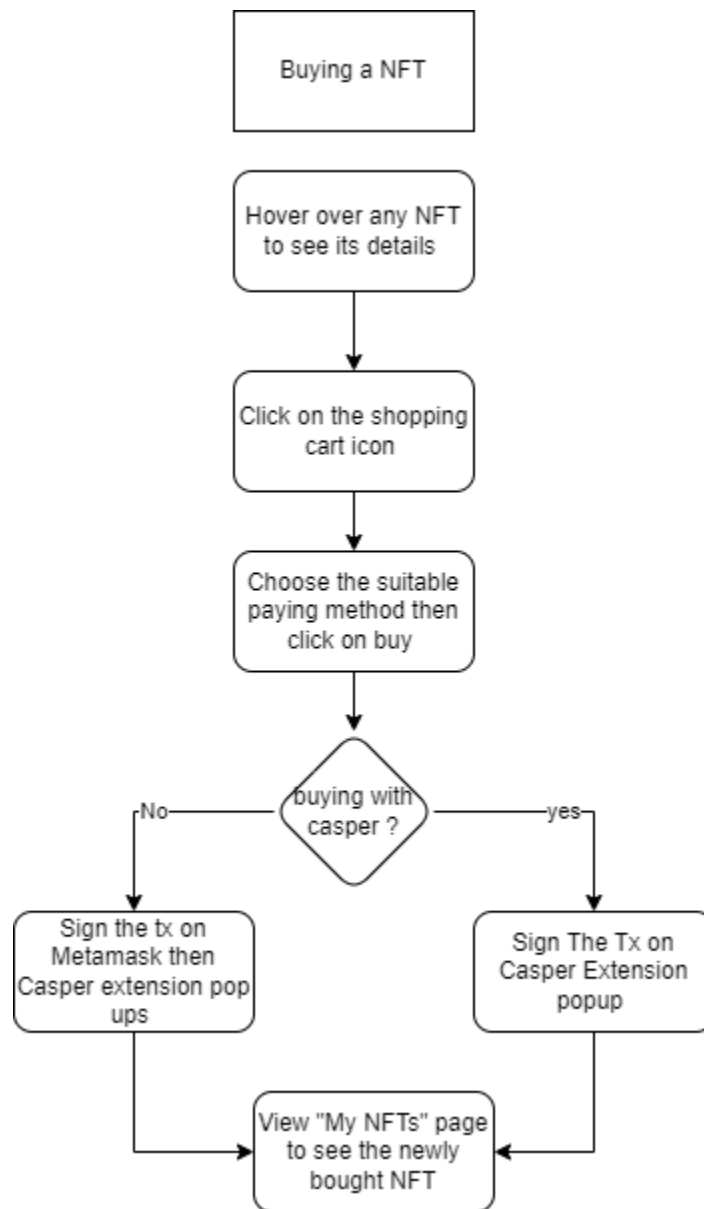
The users can transfer NFTs by selling them or just sending them as a gift to others

### **Buying an NFT**

The creator user is a normal user who minted NFTs which means you still can buy NFTs from other creators and also support other causes as a donor.

1. Hover over any NFT from the home page to preview its details.
2. Click on the Shopping Cart icon on the right down of the NFT preview.
3. A pop-up will appear to click on the “Buy “ Button.
4. Casper extension will pop up twice so click on “ Sign “ to transfer the amount and wait for the notification of transfer success, then click on “ Sign “ again to deploy the transaction on the chain and wait for the notification of the deployment.
5. After the transaction is done you will see the bought NFT under the “My NFTs“ tab only.

## Buying NFT Flowchart



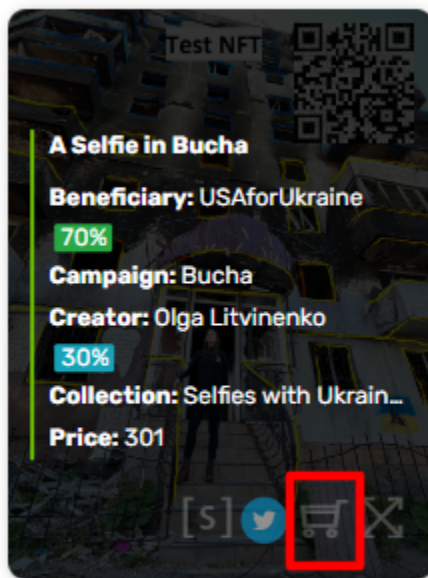
## Developer Note:

buy NFT modal component

<https://github.com/AdelElMessiry/Verified-Impact-NFTs/blob/main/src/markup/Element/BuyNFT.js>

Buy NFT button function

<https://github.com/AdelElMessiry/Verified-Impact-NFTs/blob/main/src/markup/Element/BuyNFT.js#L41-L126>

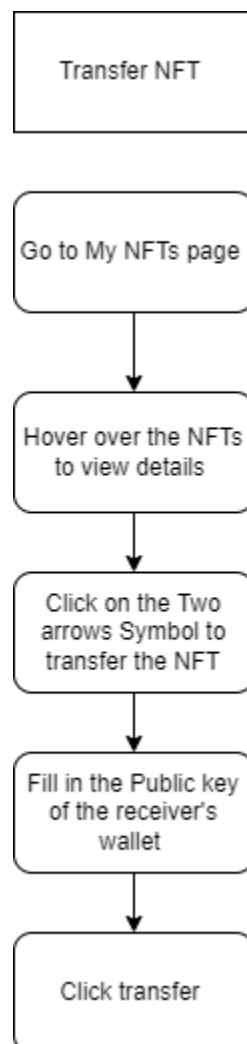


## Transferring the NFTs

The Creator/ Normal users can just send the NFT to other wallets as a gift without getting paid right after purchasing the NFT and finding it in My NFTs page.

1. Hover over the NFT on my NFTs page and click on the Transfer icons “ Two opposite arrows “
2. Click on the icon of the transfer
3. Put the wallet public key of the receiver's wallet then click transfer

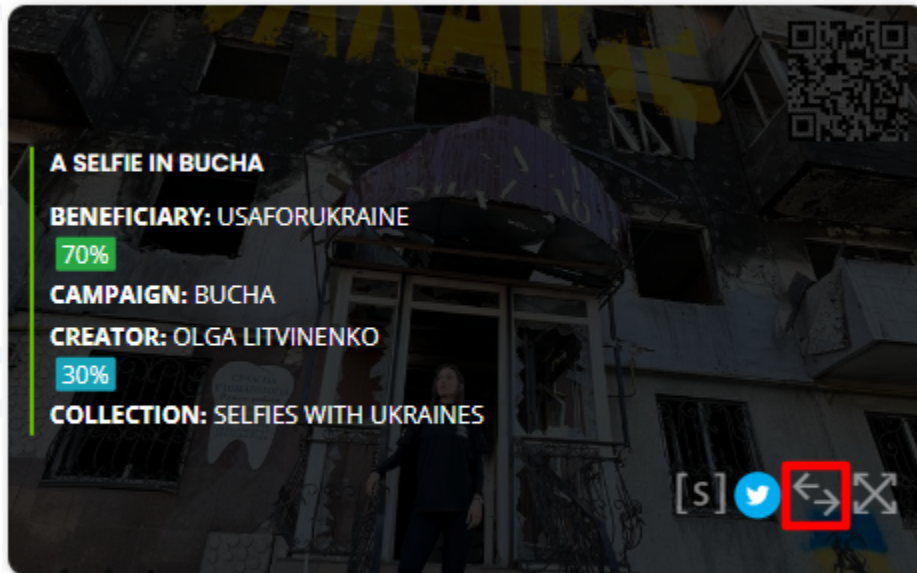
### Transfer NFT Flowchart



## Developer Note:

Transfer NFT button action

<https://github.com/AdelElMessiry/Verified-Impact-NFTs/blob/main/src/markup/Element/BuyNFT.js#L128-L157>



### Transfer A Selfie in Bucha NFT



#### A Selfie in Bucha

Ukraine will be rebuilt and colorful again

Transfer To\*

Close

Transfer



# Smart Contract

## Profiles Smart Contract link

Contract can be found on Cspr live website :

<https://cspr.live/contract/81f1e6583eca92d2ffb3d48a7fff0ccfa7d36435e41b70e200f6db7c8b1e5d51>

Contract Hash :

81f1e6583eca92d2ffb3d48a7fff0ccfa7d36435e41b70e200f6db7c8b1e5d51

## Profiles Smart contract Raw Data

```
"root": {1 item}

"json": {1 item}

"Contract": {5 items}

  "contract_package_hash": "contract-package-wasm49c52cb907c89e984af930bae087decefe0484704e89e3f9924f0c6007fe5cd5"

  "contract_wasm_hash": "contract-wasm-d21f90294e7edcad75774d5b10aabc b3ea8a8e73278a467da6d2e7fbaa74dac"

  "named_keys": [6 items]

    0: {2 items}

      "name": "admins"

      "key": "uref-421b06f3b81f036316a43f7ca7999229a83dd6bb5ccad677dd61b bbbac727b68-007"

    }

    1: {2 items}
```

```
"name": "all_profiles"

"key": "uref-5c0557883eefbf61655f3af011bd9790f607faaab29a730321da
7e9755e75b5-007"

}

2: {2 items

"name": "contract_package_hash"

"key": "uref-afb3ffe24a1903f9d57d9aca3dd030fdf3f03079eb7ad32b2129b
b839247f22d-007"

}

3: {2 items

"name": "owner"

"key": "uref-9aded659377bb5ccb715fe604f41ba9501b8724033aee32be77d2
f96094abc85-007"

}

4: {2 items

"name": "profiles"

"key": "uref-5c1d4c8a5f4f1fda12aded79cec8aa0f34fedf606b8d72f4e273b
50114feb68f-007"

}

5: {2 items

"name": "self_contract_hash"

"key": "uref-334ac06e63cdfc1077d2d9ef6d7938c3440db282dbd57c6eb928c
35f2fd07cfe-007"

}
```

```
]
"entry_points": [10 items
0: {5 items
  "name": "all_profiles"
  "args": [] 0 items
  "ret": {1 item
    "List": "Key"
  }
  "access": "Public"
  "entry_point_type": "Contract"
}
1: {5 items
  "name": "all_profiles_length"
  "args": [] 0 items
  "ret": "U256"
  "access": "Public"
  "entry_point_type": "Contract"
}
2: {5 items
  "name": "approve_beneficiary"
  "args": [2 items
0: {2 items
  "name": "address"
```

```

        "cl_type": "Key"
    }

    1: {2 items

        "name": "status"

        "cl_type": "Bool"

    }

]

"ret": "Unit"

"access": "Public"

"entry_point_type": "Contract"
}

3: {5 items

    "name": "constructor"

    "args": [3 items

        0: {2 items

            "name": "all_profiles"

            "cl_type": {1 item

                "List": "Key"

            }

        }

    ]

    1: {2 items

        "name": "contract_hash"

        "cl_type": {1 item

```

```

    "ByteArray":32
  }
}
2:{2 items
  "name":"package_hash"
  "cl_type":{"1 item
    "ByteArray":32
  }
}
]
"ret":"Unit"
"access":{"1 item
  "Groups":[1 item
    0:"constructor"
  ]
}
"entry_point_type":"Contract"
}
4:{5 items
  "name":"create_profile"
  "args":21 items
    [0 - 10]
    [10 - 20]

```



```

[20 - 21]

"ret": "Unit"

"access": "Public"

"entry_point_type": "Contract"
}

5: {5 items

  "name": "get_profile"

  "args": [1 item

    0: {2 items

      "name": "address"

      "cl_type": "Key"

    }

  ]

  "ret": {1 item

    "Map": {2 items

      "key": "String"

      "value": "String"

    }

  }

  "access": "Public"

  "entry_point_type": "Contract"

}

6: {5 items

```

```

    "name": "grant_admin"

    "args": [1 item

    0: {2 items

        "name": "admin"

        "cl_type": "Key"

    }

    ]

    "ret": "Unit"

    "access": "Public"

    "entry_point_type": "Contract"
}

7: {5 items

    "name": "package_hash"

    "args": [] 0 items

    "ret": {1 item

        "ByteArray": 32

    }

    "access": "Public"

    "entry_point_type": "Contract"
}

8: {5 items

    "name": "revoke_admin"

    "args": [1 item

```

```
0:{2 items
  "name":"admin"
  "cl_type":"Key"
}
]
"ret":"Unit"
"access":"Public"
"entry_point_type":"Contract"
}
9:{5 items
  "name":"update_profile_bio"
  "args":[3 items
    0:{2 items
      "name":"address"
      "cl_type":"Key"
    }
    1:{2 items
      "name":"bio"
      "cl_type":"String"
    }
    2:{2 items
      "name":"profileType"
      "cl_type":"String"
```

```
    }  
  ]  
  "ret": "Unit"  
  "access": "Public"  
  "entry_point_type": "Contract"  
}  
]  
"protocol_version": "1.4.8"  
}  
}  
}
```