What Is Claimed Is:

1. A computer-implemented method for remixing non-fungible tokens (NFTs), the method comprising:

obtaining a first NFT of a first type and a second NFT of a second type based on a request of a user, the first NFT being stored on a blockchain and associated with a first identifier and first metadata, and the second NFT being stored on the blockchain and associated with a second identifier and second metadata;

determining whether the user has remixing authorization of at least one of the first NFT or the second NFT;

if the user has the remixing authorization of at least one of the first NFT or the second NFT, determining whether remixing is permissible for the first NFT and the second NFT based on the first NFT and the second NFT;

if the remixing is permissible for the first NFT and the second NFT, generating an output identifier based on the first identifier and the second identifier, generating an output type based on the first type and the second type, and generating output metadata based on the first metadata and the second metadata; and

generating an output NFT based on the output identifier, the output type, and the output metadata, and recording the output NFT on the blockchain;

wherein the first NFT comprises a first indicator representing that the remixing is permissible for the first NFT, and the second NFT comprises a second indicator representing that the remixing is permissible for the second NFT;

wherein the first indicator has a first numeric value, and the second indicator has a second numeric value,

the first indicator represents that the remixing is not permissible for the first NFT when the first numeric value is negative, and that the remixing is permissible for the first NFT when the first numeric value is positive or zero; and

the second indicator represents that the remixing is not permissible for the second NFT when the second numeric value is negative, and that the remixing is permissible for the second NFT when the second numeric value is positive or zero; and

wherein the first indicator further represents a first fee when the first numeric value is positive or zero, and the second indicator further represents a second fee when the second numeric value is positive or zero.

2. The method of claim 1, wherein obtaining the first NFT of the first type and the second NFT of the second type comprises:

obtaining a first parameter and a second parameter from the user; and

obtaining the first NFT and the second NFT based on the first parameter and the second parameter.

3. The method of claim 2, wherein the first parameter comprises the first identifier, and the second parameter comprises the second identifier.

4. The method of claim 1, wherein determining whether the user has remixing authorization of at least one of the first NFT or the second NFT comprises:

determining whether the user has at least one of: an ownership of the first NFT, an approval granted to the user by a first owner of the first NFT, an ownership of the

second NFT, or an approval granted to the user by a second owner of the second NFT.

~~5. The method of claim 1, wherein the first NFT comprises a first indicator representing that the remixing is permissible for the first NFT, and the second NFT comprises a second indicator representing that the remixing is permissible for the second NFT.~~

~~6. The method of claim 5, wherein the first indicator has a first numeric value, and the second indicator has a second numeric value,~~

~~the first indicator represents that the remixing is not permissible for the first NFT when the first numeric value is negative, and that the remixing is permissible for the first NFT when the first numeric value is positive or zero; and~~

~~the second indicator represents that the remixing is not permissible for the second NFT when the second numeric value is negative, and that the remixing is permissible for the second NFT when the second numeric value is positive or zero.~~

~~7~~5. The method of claim ~~6~~1, further comprising: ~~wherein the first indicator further represents a first fee when the first numeric value is positive or zero, and the second indicator further represents a second fee when the second numeric value is positive or zero, and the method further comprises:~~

if the remixing is permissible for the first NFT and the second NFT, sending data to the blockchain to enable deduction of at least one of the first fee or the second fee from an account associated with the user.

~~86~~. The method of claim 1, wherein determining whether the remixing is permissible for the first NFT and the second NFT based on the first NFT and the second NFT comprises:

determining whether the first type is the same as the second type; and

if the first type is the same as the second type, determining that the remixing is permissible for the first NFT and the second NFT.

~~97~~. The method of claim 1, wherein determining whether the remixing is permissible for the first NFT and the second NFT based on the first NFT and the second NFT comprises:

utilizing a smart contract to determine whether the first type and the second type are compatible with an input type list; and

if the first type and the second type are compatible with the input type list, determining that the remixing is permissible for the first NFT and the second NFT.

~~108~~. The method of claim ~~79~~, further comprising:

utilizing the smart contract to determine whether the first type is compatible with the second type; and

if the first type is compatible with the second type, determining that the remixing is permissible for the first NFT and the second NFT.

~~119~~. The method of claim ~~98~~, further comprising:

utilizing the smart contract to determine the output type based on the first type and the second type.

~~12~~10. The method of claim 1, wherein generating the output identifier based on the first identifier and the second identifier comprises:

generating a concatenation value by concatenating the first identifier and the second identifier; and

generating a hash value of the concatenation value as the output identifier.

~~13~~11. The method of claim 1, wherein generating the output metadata based on the first metadata and the second metadata comprises:

invoking a smart contract comprising a remixing function associated with the first type and the second type; and

inputting the first metadata and the second metadata to the remixing function to generate the output metadata.

~~14~~12. The method of claim ~~13~~11, wherein inputting the first metadata and the second metadata to the remixing function to generate the output metadata comprises:

obtaining a particular value from the user; and

inputting the particular value to the remixing function to generate a value of the output metadata.

~~15~~13. The method of claim ~~13~~11, wherein the first metadata comprises a first value, the second metadata comprises a second value, and inputting the first metadata and the second metadata to the remixing function to generate the output metadata comprises:

obtaining a provably secure random number from the blockchain; and

inputting the first value, the second value, and the provably secure random number to the remixing function to generate a value of the output metadata corresponding to the first value and the second value.

~~16~~14. The method of claim 1, further comprising:

in response to generating the output NFT on the blockchain, invalidating or maintaining at least one of the first NFT or the second NFT on the blockchain.

~~17~~15. The method of claim 1, wherein generating the output type based on the first type and the second type comprises:

invoking a smart contract comprising a mapping relationship, the mapping relationship mapping the first type and the second type to the output type; and

generating the output type based on the mapping relationship.

~~18~~16. A device for processing a token, comprising:

one or more processors; and

one or more computer-readable memories coupled to the one or more processors and having instructions stored thereon that are executable by the one or more processors to perform the method of any of claims 1 to ~~17~~15.

~~19~~17. An apparatus for processing a token, the apparatus comprising a plurality of modules for performing the method of any of claims 1 to ~~17~~15.

~~20~~18. A non-transitory computer-readable medium having stored therein instructions that, when executed by a processor of a device, cause the device to perform the method of any of claims 1 to ~~17~~15.