CLAIMS

1. An information display method for a virtual pet, performed by a terminal on which an application program is run, the application program being provided with a virtual pet~~,~~ based on a blockchain system, and at least one pet image of the virtual pet being generated based on a genetic inheritance rule, wherein the gene information of each virtual pet has global uniqueness, the method comprising:

obtaining an instruction to display genealogy corresponding to a target virtual pet;

obtaining, from the blockchain system, genealogy information of the target virtual pet based on the instruction, the genealogy information of the target virtual pet comprising: information about n virtual pets having a genetic relationship with the target virtual pet, n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

displaying the information about the n virtual pets, the information about the virtual pet comprising an image of the virtual pet determined by genes of the virtual pet.

2. The method according to claim 1, wherein the n virtual pets belong to a particular type, wherein

types of the virtual pets are classified according to extrinsic features of the virtual pets, the particular type has an extrinsic feature of which an occurrence probability is less than a preset probability and/or an extrinsic feature of which a feature level is higher than a preset level.

3. The method according to claim 1, wherein the obtaining the genealogy information comprises:

generating, based on the instruction, a genealogy obtaining request including identification information of the target virtual pet;

transmitting the genealogy obtaining request to a server, wherein the genealogy obtaining request is used for triggering the server to obtain the genealogy information of the target virtual pet from a blockchain system; and

receiving the genealogy information of the target virtual pet transmitted by the server.

4. The method according to claim 1, wherein the displaying the information about the n virtual pets comprises:

displaying cards respectively corresponding to the n virtual pets in an array form, wherein

a card corresponding to an i^{th} virtual pet of the n virtual pets comprises information about the i^{th} virtual pet, i being a positive integer less than or equal to n.

5. The method according to any one of claims 1 to 4, further comprising:

obtaining a breeding instruction corresponding to spousal virtual pets, wherein the spousal virtual pets comprise a paternal virtual pet and a maternal virtual pet having a spousal relationship;

transmitting a breeding request to a server according to the breeding instruction, wherein the breeding request includes information about the paternal virtual pet and information about the maternal virtual pet;

receiving information, transmitted from the server, about a filial virtual pet bred and generated by the paternal virtual pet and the maternal virtual pet; and

displaying the information about the filial virtual pet.

6. An information display method for a virtual pet, performed by a server, the method comprising:

receiving a genealogy obtaining request requesting to obtain genealogy information of a target virtual object, the genealogy obtaining request including identification information of the target virtual pet and that is transmitted by a terminal, the genealogy obtaining request being used for requesting to obtain genealogy

information of the target virtual pet; wherein an application program is run on the terminal, the application program is used for displaying genealogy information of the target virtual pet, and the gene information of each virtual pet has global uniqueness;

forwarding the genealogy obtaining request to a blockchain system;

receiving the genealogy information of the target virtual pet from the blockchain system, the genealogy information of the target virtual pet comprising information about n virtual pets having a genetic relationship with the target virtual pet, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet, and n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

transmitting the genealogy information of the target virtual pet to the terminal to be displayed.

7. The method according to claim 6, wherein the n virtual pets belong to a particular type, wherein

a particular type has an extrinsic feature of which an occurrence probability is less than a preset probability and/or an extrinsic feature of which a feature level is higher than a preset level.

8. The method according to claim 6, wherein after the receiving a genealogy obtaining request that carries identification information of a target virtual pet and that is transmitted by a terminal, the method further comprises:

determining whether the genealogy obtaining request meets a first response condition, wherein the first response condition comprises at least one of the following: a user account logging on to the terminal has activated a virtual pet system, the virtual pet system is in an enabled state, and the target virtual pet is not a first-generation virtual pet; and

based on the genealogy obtaining request satisfying the first response condition, execution from the operation of forwarding the genealogy obtaining request to a blockchain system.

9. The method according to any one of claims 6 to 8, further comprising:

receiving a breeding request transmitted from the terminal, wherein the breeding request includes information about a paternal virtual pet and information about a maternal virtual pet, and the paternal virtual pet and the maternal virtual pet have a spousal relationship;

generating information about a filial virtual pet based on the genetic inheritance rule according to the information about the paternal virtual pet and the information about the maternal virtual pet; and

transmitting the information about the filial virtual pet to the terminal.

10. The method according to claim 9, wherein after the receiving a breeding request transmitted by the terminal, the method further comprises:

obtaining genealogy information of the paternal virtual pet and genealogy information of the maternal virtual pet from the blockchain system;

generating genealogy information of the filial virtual petbased on the genealogy information of the paternal virtual pet and the genealogy information of the maternal virtual pet; and

storing the genealogy information of the filial virtual pet in the blockchain system.

11. The method according to claim 10, wherein after the generating genealogy information of the filial virtual pet according to the genealogy information of the paternal virtual pet and the genealogy information of the maternal virtual pet, the method further comprises:

determining whether a quantity of a plurality of virtual pets that are included in the genealogy information of the filial virtual pet is greater than a preset threshold k,

wherein the preset threshold k is a positive integer; and

based on the quantity of the plurality of that are included in the genealogy information of the filial being greater than the preset threshold k, obtaining, through screening, k virtual pets among the plurality of in an order of higher generation , and deleting, from the genealogy information of the filial virtual pets in the genealogy information of the filial virtual pet other than the k virtual pets.

12. The method according to claim 9, wherein after the receiving a breeding request transmitted by the terminal, the method further comprises:

determining whether the breeding request meets a second response condition, wherein the second response condition comprises at least one of the following: a user account logging on to the terminal has activated a virtual pet system, the virtual pet system is in an enabled state, the user account logging in to the terminal is an owner of the maternal virtual pet, and the filial virtual pet has reached a breeding and birth time; and

based on the breeding request satisfying the second response condition, generating the information about the filial virtual pet based on the genetic inheritance rule according to the information about the paternal virtual pet and the information about the maternal virtual pet.

13. An information display apparatus for a virtual pet is provided, applied to a terminal on which an application program is run, the application program being provided with a virtual pet based on a blockchain system,, and at least one pet image of the virtual pet being generated based on a genetic inheritance rule, wherein the gene information of each virtual pet has global uniqueness, the apparatus comprising:

an instruction obtaining module, configured to obtain an instruction to display genealogy corresponding to a target virtual pet;

a genealogy obtaining module, configured to obtain , from the blockchain system, genealogy information of the target virtual pet based on the instruction, the genealogy information of the target virtual pet comprising: information about n virtual pets

having a genetic relationship with the target virtual pet, n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

a genealogy display module, configured to display the information about the n virtual pets, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet.

14. The apparatus according to claim 13, wherein the genealogy obtaining module is specifically configured to:

generate, based on the genealogy display instruction, a genealogy obtaining request including identification information of the target virtual pet;

transmit the genealogy obtaining request to a server, wherein the genealogy obtaining request is used for triggering the server to obtain the genealogy information of the target virtual pet from a blockchain system; and

receive the genealogy information of the target virtual pet transmitted by the server.

15. The apparatus according to claim 13 or 14, wherein the apparatus further comprises a pet breeding module, and the pet breeding module is configured to:

obtain a breeding instruction corresponding to spousal virtual pets, wherein the spousal virtual pets comprise a paternal virtual pet and a maternal virtual pet having a spousal relationship;

transmit a breeding request to a server according to the breeding instruction, wherein the breeding request includes information about the paternal virtual pet and information about the maternal virtual pet;

receive information, transmitted from the server, about a filial virtual pet bred and generated by the paternal virtual pet and the maternal virtual pet; and

display the information about the filial virtual pet.

16. An information display apparatus for a virtual pet, comprising:

a request receiving module, configured to receive a genealogy obtaining request requesting to obtain genealogy of a target virtual object, the genealogy obtaining request including identification information of the target virtual pet and that is transmitted by a terminal, the genealogy obtaining request being used for requesting to obtain genealogy information of the target virtual pet; wherein an application program is run on the terminal, the application program is used for displaying genealogy information of the target virtual pet, and the gene information of each virtual pet has global uniqueness;

a request forwarding module, configured to forward the genealogy obtaining request to a blockchain system;

a genealogy receiving module, configured to receive genealogy information of the target virtual pet transmitted by the blockchain system, the genealogy information of the target virtual pet comprising information about n virtual pets having a genetic relationship with the target virtual pet, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet, and n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

a genealogy transmission module, configured to transmit the genealogy information of the target virtual pet to the terminal to be displayed.

17. A terminal, comprising a processor and a memory, the memory storing at least one computer-readable instruction, and the computer-readable instruction being loaded and executed by the processor to implement the following operations:

obtaining an instruction to display genealogy display instruction corresponding to a target virtual pet, wherein the gene information of the target virtual pet has global uniqueness;

obtaining, from the blockchain system, genealogy information of the target

virtual pet based on the instruction, the genealogy information of the target virtual pet comprising: information about n virtual pets having a genetic relationship with the target virtual pet, n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

displaying the information about the n virtual pets, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet.

18. A server, comprising a processor and a memory, the memory storing at least one computer-readable instruction, and the at least one computer-readable instruction being loaded and executed by the processor to implement the following operations:

receiving a genealogy obtaining request that carries identification information of a target virtual pet and that is transmitted by a terminal, the genealogy obtaining request being used for requesting to obtain genealogy information of the target virtual pet; wherein an application program is run on the terminal, the application program is used for displaying genealogy information of the target virtual pet, and the gene information of each virtual pet has global uniqueness;

forwarding the genealogy obtaining request to a blockchain system;

receiving the genealogy information of the target virtual pet transmitted by the blockchain system, the genealogy information of the target virtual pet comprising information about n virtual pets having a genetic relationship with the target virtual pet, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet, and n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

transmitting the genealogy information of the target virtual pet to the terminal to be displayed.

19. A computer-readable storage medium, storing at least one computer-readable instruction, the at least one computer-readable instruction being loaded and executed by a processor to implement the following operations:

obtaining an instruction to display genealogy display instruction corresponding to a target virtual pet, wherein the gene information of the target virtual pet has global uniqueness;

obtaining , from the blockchain system, genealogy information of the target virtual pet according to the genealogy display instruction, the genealogy information of the target virtual pet comprising: information about n virtual pets having a genetic relationship with the target virtual pet, n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

displaying the information about the n virtual pets, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet

20. A computer-readable storage medium, storing at least one computer-readable instruction, the at least one computer-readable instruction being loaded and executed by a processor to implement the following operations:

receiving a genealogy obtaining request requesting to obtain genealogy of a target virtual object, the genealogy obtaining request including identification information of the target virtual pet and that is transmitted by a terminal, the genealogy obtaining request being used for requesting to obtain genealogy information of the target virtual pet; wherein an application program is run on the terminal, the application program is used for displaying genealogy information of the target virtual pet, and the gene information of each virtual pet has global uniqueness;

forwarding the genealogy obtaining request to a blockchain system;

receiving the genealogy information of the target virtual pet transmitted by the

blockchain system, the genealogy information of the target virtual pet comprising information about n virtual pets having a genetic relationship with the target virtual pet, the information about the virtual pet comprising a pet image of the virtual pet determined by genes of the virtual pet, and n being a positive integer, wherein the genealogy information of the target virtual pet reflects a genetic feature of the target virtual pet, and the genetic feature has relationship with the value of the target virtual pet in a trading market; and

transmitting the genealogy information of the target virtual pet to the terminal to be displayed.