CLAIMS

~~What is claimed is:~~

1. ____A ~~blockchain-based data processing~~computer-implemented method, comprising:

obtaining, by a first node device of a blockchain and from a distributed database of the blockchain, a target transaction that comprises state information of a target user;

identifying a data type of the state information, data content that corresponds to the data type of the state information, a data type of a name of an organization, and data content that corresponds to the ~~data type; and~~name of the organization;

performing a first graphical processing on the data content that corresponds to the data type of the state information to obtain a state graphic that corresponds to the target user, wherein the first graphical processing is performed based on first predetermined data graphical processing logic that corresponds to the data type~~, to obtain a state graphic that corresponds to the target user.~~ of the state information; and

performing a second graphical processing based on the data content that corresponds to the name of the organization to obtain a building graphic in a form of a first letter of the name of the organization and a name identifier that represents the organization, wherein the second graphical processing is performed based on second predetermined data graphical processing logic that corresponds to the data type of the name of the organization, and wherein the state graphic that corresponds to the target user comprises the building graphic and the name identifier.

2. ____The computer-implemented method according to claim 1, ~~further~~ comprising:

sending the state graphic to an end-user device of the target user, wherein the end-user device of the target user is a second node device of the blockchain.

3. ____The computer-implemented method according to claim 1, wherein ~~the~~ identifying ~~a~~the data type of the state information and ~~data content that corresponds to the data type, and~~ performing the first graphical processing on the data content ~~based on predetermined data graphical processing logic~~ that corresponds to the data type~~, to obtain a state graphic that corresponds to the target user~~ of the state information comprises:

invoking a smart contract for a data graphical processing~~,~~; and

executing data identification logic and data graphical processing logic ~~that~~ to obtain the state graphic that corresponds to the target user, wherein the data identification logic and the data graphical processing logic are declared in the smart contract to perform a data

identification and the data graphical processing on the state information of the target user~~, to obtain the state graphic that corresponds to the target user.~~.

4. The computer-implemented method according to ~~any one of claims~~claim 1~~ to 3~~, wherein

the state information of the target user comprises name information of ~~an~~the organization that corresponds to the target user~~; and~~.

~~the identifying a data type of the state information and data content that corresponds to the data type, and performing graphical processing on the data content based on predetermined data graphical processing logic that corresponds to the data type, to obtain a state graphic that corresponds to the target user comprises:~~

~~identifying the data type of organization name and data content of the organization name; and~~

~~performing graphical processing on the data content of the organization name based on predetermined data graphical processing logic that corresponds to the data type of organization name, to obtain a building graphic in the form of the first letter of the organization name and a name identifier that represents the organization, wherein~~

~~the state graphic that corresponds to the target user comprises the building graphic and the name identifier.~~

5. The computer-implemented method according to claim ~~4~~1, wherein~~:~~

the state information of the target user ~~further~~ comprises scale information of the organization that corresponds to the target user; and

identifying the ~~identifying a~~ data type of the state information and the data content that corresponds to the data type of the state information, and performing the first graphical processing on the data content ~~based on predetermined data graphical processing logic~~ that corresponds to the data type~~, to obtain a state graphic that corresponds to the target user further~~ of the state information comprises:

identifying ~~the~~a data type of an organization scale and data content of the organization scale; and

performing a third graphical processing on the data content of the organization scale based on third predetermined data graphical processing logic that corresponds to the data type of the organization scale, to obtain a population density form graphic that

corresponds to the organization, wherein the state graphic that corresponds to the target user comprises the population density form graphic.

~~the state graphic that corresponds to the target user further comprises the population density form graphic.~~

6. The computer-implemented method according to claim ~~5~~1, wherein~~-~~:

the state information of the target user ~~further~~ comprises geographical location information that corresponds to the target user; and

~~the~~ identifying ~~a~~the data type of the state information and the data content that corresponds to the data type of the state information, and performing the first graphical processing on the data content ~~based on predetermined data graphical processing logic~~ that corresponds to the data type~~, to obtain a~~ of the state ~~graphic that corresponds to the target user further~~information comprises:

identifying ~~the~~a data type of a geographical location and data content of the geographical location;

obtaining a real-time weather state of the geographical location; and

processing the real-time weather state into a weather state graphic based on fourth predetermined data graphical processing logic that corresponds to the data type of the geographical location, wherein

the state graphic that corresponds to the target user ~~further~~ comprises the weather state graphic.

7. The computer-implemented method according to ~~any one of claims 1 to 3~~claim 1, wherein~~-~~:

the state information of the target user comprises eigenvalue information of the target user~~,~~; and

the eigenvalue information is used to represent credibility or activeness of the target user.

8. ~~A blockchain-based data processing apparatus, comprising:~~ A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform one or more operations comprising:

~~an acquisition unit, configured to obtain,~~ obtaining, by a first node device of a blockchain and from a distributed database of ~~a~~the blockchain, a target transaction that comprises state information of a target user;

~~an identification unit, configured to identify~~identifying a data type of the state information ~~and~~, data content that corresponds to the data type of the state information, a data type of a name of an organization, and data content that corresponds to the name of the organization;

performing a first graphical processing on the data content that corresponds to the data type~~; and~~

~~a data~~ of the state information to obtain a state graphic that corresponds to the target user, wherein the first graphical processing ~~unit, configured to perform~~ is performed based on first predetermined data graphical processing logic that corresponds to the data type of the state information; and

performing a second graphical processing ~~on the data content~~ based on the data content that corresponds to the name of the organization to obtain a building graphic in a form of a first letter of the name of the organization and a name identifier that represents the organization, wherein the second graphical processing is performed based on second predetermined data graphical processing logic that corresponds to the data type~~, to obtain a~~ of the name of the organization, and wherein the state graphic that corresponds to the target user~~.~~ comprises the building graphic and the name identifier.

9. The ~~apparatus~~non-transitory, computer-readable medium according to claim 8, ~~further~~ comprising:

~~a~~ sending ~~unit, configured to send~~ the state graphic to an end-user device of the target user, wherein the end-user device of the target user is a second node device of the blockchain.

10. The ~~apparatus~~non-transitory, computer-readable medium according to claim 8, wherein ~~the identification unit and~~ identifying the data type of the state information and performing the first graphical processing ~~unit are further configured~~on the data content that corresponds to~~:~~ the data type of the state information comprises:

~~invoke~~invoking a smart contract for a data graphical processing~~,~~; and ~~execute~~

executing data identification logic and data graphical processing logic ~~that are declared in the smart contract to perform data identification and data graphical processing on the state information of the target user,~~ to obtain the state graphic that corresponds to the target user~~.~~

~~11. The apparatus according to any one of claims 8 to 10~~, wherein the data identification logic and the data graphical processing logic are declared in the smart contract to perform a data identification and the data graphical processing on the state information of the target user.

11. The non-transitory, computer-readable medium according to claim 8, wherein the state information of the target user comprises name information of ~~an~~the organization that corresponds to the target user~~; and~~.

~~the identification unit and the data graphical processing unit are further configured to:~~

~~identify the data type of organization name and data content of the organization name; and~~

~~perform graphical processing on the data content of the organization name based on predetermined data graphical processing logic that corresponds to the data type of organization name, to obtain a building graphic in the form of the first letter of the organization name and a name identifier that represents the organization, wherein~~

~~the state graphic that corresponds to the target user comprises the building graphic and the name identifier.~~

12. The ~~apparatus~~non-transitory, computer-readable medium according to claim ~~11~~8, wherein~~-~~:

the state information of the target user ~~further~~ comprises scale information of the organization that corresponds to the target user; and

~~the identification unit and the data graphical processing unit are further configured to:~~

~~identify the data type of~~ identifying the data type of the state information and the data content that corresponds to the data type of the state information, and performing the first graphical processing on the data content that corresponds to the data type of the state information comprises:

identifying a data type of an organization scale and data content of the organization scale; and

~~perform~~performing a third graphical processing on the data content of the organization scale based on third predetermined data graphical processing logic that

corresponds to the data type of the organization scale, to obtain a population density form graphic that corresponds to the organization, wherein the state graphic that corresponds to the target user comprises the population density form graphic.

~~the state graphic that corresponds to the target user further comprises the population density form graphic.~~

13. The ~~apparatus~~non-transitory, computer-readable medium according to claim ~~1~~2~~8~~, wherein~~:~~

the state information of the target user ~~further~~ comprises geographical location information that corresponds to the target user; and

~~the identification unit and the data graphical processing unit are further configured to:~~

~~identify the data type of~~ identifying the data type of the state information and the data content that corresponds to the data type of the state information, and performing the first graphical processing on the data content that corresponds to the data type of the state information comprises:

identifying a data type of a geographical location and data content of the geographical location;

~~obtain~~obtaining a real-time weather state of the geographical location; and

~~process~~processing the real-time weather state into a weather state graphic based on fourth predetermined data graphical processing logic that corresponds to the data type of the geographical location, wherein

the state graphic that corresponds to the target user ~~further~~ comprises the weather state graphic.

14. The ~~apparatus~~non-transitory, computer-readable medium according to ~~any one of claims 8 to 10~~claim 8, wherein~~:~~

the state information of the target user comprises eigenvalue information of the target user~~,~~; and

the eigenvalue information is used to represent credibility or activeness of the target user.

15. A computer~~-device~~-implemented system, comprising~~ a storage~~:

one or more computers; and

one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing one or more instructions that, when executed by the one or more computers, perform one or more operations comprising:

obtaining, by a first node device of a ~~processor~~blockchain and from a distributed database of the blockchain, a target transaction that comprises state information of a target user;

identifying a data type of the state information, data content that corresponds to the data type of the state information, a data type of a name of an organization, and data content that corresponds to the name of the organization;

performing a first graphical processing on the data content that corresponds to the data type of the state information to obtain a state graphic that corresponds to the target user, wherein the ~~storage stores a processor executable computer program, and when executing the computer program, the processor performs the method~~first graphical processing is performed based on first predetermined data graphical processing logic that corresponds to the data type of the state information; and

performing a second graphical processing based on the data content that corresponds to the name of the organization to obtain a building graphic in a form of a first letter of the name of the organization and a name identifier that represents the organization, wherein the second graphical processing is performed based on second predetermined data graphical processing logic that corresponds to the data type of the name of the organization, and wherein the state graphic that corresponds to the target user comprises the building graphic and the name identifier.

16. The computer-implemented system according to ~~any one of claims 1 to 7~~claim 15, comprising:

sending the state graphic to an end-user device of the target user, wherein the end-user device of the target user is a second node device of the blockchain.

17. The computer-implemented system according to claim 15, wherein identifying the data type of the state information and performing the first graphical processing on the data content that corresponds to the data type of the state information comprises:

invoking a smart contract for a data graphical processing; and

executing data identification logic and data graphical processing logic to obtain the state graphic that corresponds to the target user, wherein the data identification logic and the data graphical processing logic are declared in the smart contract to perform a data identification and the data graphical processing on the state information of the target user.

18. The computer-implemented system according to claim 15, wherein

the state information of the target user comprises name information of the organization that corresponds to the target user.

19. The computer-implemented system according to claim 15, wherein:

the state information of the target user comprises scale information of the organization that corresponds to the target user; and

identifying the data type of the state information and the data content that corresponds to the data type of the state information, and performing the first graphical processing on the data content that corresponds to the data type of the state information comprises:

identifying a data type of an organization scale and data content of the organization scale; and

performing a third graphical processing on the data content of the organization scale based on third predetermined data graphical processing logic that corresponds to the data type of the organization scale, to obtain a population density form graphic that corresponds to the organization, wherein the state graphic that corresponds to the target user comprises the population density form graphic.

20. The computer-implemented system according to claim 15, wherein:

the state information of the target user comprises geographical location information that corresponds to the target user; and

identifying the data type of the state information and the data content that corresponds to the data type of the state information, and performing the first graphical processing on the data content that corresponds to the data type of the state information comprises:

identifying a data type of a geographical location and data content of the geographical location;

obtaining a real-time weather state of the geographical location; and

processing the real-time weather state into a weather state graphic based on fourth predetermined data graphical processing logic that corresponds to the data type

of the geographical location, wherein the state graphic that corresponds to the target user comprises the weather state graphic.