

CLAIMS

1. A computer-implemented method comprising:
 - at a service platform, receiving a first request to authorize a first member to access information related to a first order, wherein the information is provided to a service authority for requesting clearance for the first order, and the first request is sent from an administrator;
 - invoking a smart contract executing on a blockchain to request that the first member be added to a list of authorized members who are authorized to access the information related to the first order, in which the smart contract is configured to maintain a data structure that stores information about the authorized members, wherein the blockchain stores the information related to the first order or a processed version of the information related to the first order;
 - receiving a confirmation from the smart contract that the first member has been added to the list of authorized members; and
 - sending a confirmation to the administrator that the first member has been added to the list of authorized members.
2. The method of claim 1, comprising at the service platform, receiving a third request from the first member to record or update information related to the first order,
 - determining whether the first member is one of the authorized members who are authorized to access information related to the first order;
 - upon confirming that the first member is an authorized member, record or update the information related to the first order according to the third request.
3. The method of claim 2, wherein determining whether the first member is one of the authorized members comprises invoking the smart contract executing on the blockchain to determine whether the first member is one of the authorized members based on the information stored in the data structure.
4. The method of any of claims 1 to 3, comprising at the service platform, receiving a third request from a second member to record or update information related to the first order,
 - determining whether the second member is one of the authorized members who are authorized to access information related to the first order;
 - upon confirming that the second member is not an authorized member, denying the third request from the second member.

5. The method of any of claims 1 to 4, comprising providing a first application programming interface (API) to enable an administrator to add a new member to a list of authorized members who are authorized to access information related to an order.
6. The method of any of claims 1 to 5, comprising providing an application programming interface (API) to enable an administrator to remove a member from a list of authorized members who are authorized to access information related to an order.
7. The method of any of claims 1 to 6, comprising providing an application programming interface (API) to enable an administrator to set permission level for a member who is authorized to access information related to an order, and storing information about the permission level in a data structure that stores information about a list of members who are authorized to access the information related to the order.
8. The method of any of claims 1 to 7, comprising providing an application programming interface (API) to enable an administrator to update information for a member who is authorized to access information related to an order, and storing the updated information for the member in a data structure that stores information about a list of members who are authorized to access the information related to the order.
9. The method of any of claims 1 to 8, wherein the information comprises at least one of order data, logistics data, or payment data associated with the first order.
10. The method of claim 1, wherein the information is import custom clearance information and the first order is first import order.
11. A computer-implemented method comprising:
 - at a service platform, receiving a first request from a first user to record or update information related to a first order, wherein the information is provided, or to be provided, to a service authority for requesting clearance for merchandise included in the first order;
 - determining whether the first user is one of authorized members who are authorized to record or update the information related to the first order; and
 - upon confirming that the first user is an authorized member, recording or updating the information related to the first order according to the first request.

12. The method of claim 11, wherein determining whether the first member is one of the authorized members comprises invoking a smart contract executing on a blockchain to determine whether the first user is one of the authorized members based on information stored in a data structure maintained by the smart contract.

13. The method of claim 11 or 12, comprising at the service platform, receiving a second request from the first user to record or update information related to a second order, wherein the information is provided, or to be provided, to the service authority for requesting clearance for merchandize included in the second order,

determining whether the first user is one of authorized members who are authorized to access the information related to the second order;

upon determining that the first user is not authorized to access the information related to the second order, denying the second request from the first user.

14. The method of claim 11, wherein the information is import custom clearance information, the first order is first import order, and the service authority is a customs authority for custom clearance of the merchandize included in the order.

15. A system for user management, 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 14.

16. An apparatus for user management, the apparatus comprising a plurality of modules for performing the method of any of claims 1 to 14.