

CLAIMS

1. A computer-implemented method for service processing, the computer-implemented method comprising:

pre-authenticating identity type information of a first user based on a validity period associated with the identity type information before receiving a digital object identifier (DOI) display request;

receiving a DOI display request;

determining a service type of a service corresponding to the display request;

determining basic user information of the first user and identity type information corresponding to the service type based on the determined service type, wherein the identity type information is pre-authenticated;

generating a DOI of the first user based on the basic user information and the pre-authenticated identity type information; and

displaying the DOI for a second user to perform service processing based on the basic user information and the identity type information comprised in the displayed DOI.

2. The computer-implemented method of claim 1, wherein pre-authenticating the identity type information comprises:

receiving the identity type information to be authenticated, wherein the identity type information is entered by the first user; and

sending the identity type information to be authenticated to a server having a verification function for authentication.

3. The computer-implemented method of claim 1, wherein generating the DOI of the first user based on the basic user information and the identity type information comprises:

setting an information flag bit for the identity type information; and

generating the DOI of the first user based on the basic user information and the identity type information that has the information flag bit.

4. The computer-implemented method of claim 1, wherein the identity type information of the first user comprised in the DOI is determined by performing operations comprising:

parsing the DOI to obtain DOI information by using a corresponding decoder or

algorithm;

determining information corresponding to a pre-agreed identity type flag bit in the DOI information as obtained information; and

determining the obtained information to be the identity type information of the first user.

5. The computer-implemented method of claim 1, further comprising:

checking the identity type information and determining that the identity type information matches the service type of the service.

6. The computer-implemented method of claim 1, wherein performing service processing comprises:

determining, based on a predetermined service processing rule, a service processing method that matches the identity type information; and

performing service processing based on the determined service processing method and the basic user information.

7. The computer-implemented method of claim 6, wherein the DOI comprises a two-dimensional payment code.

8. The computer-implemented method of claim 7, wherein performing service processing comprises:

determining, based on the predetermined service processing rule, a payment discount coefficient that matches the identity type information; and

performing payment and deduction based on the determined payment discount coefficient and the basic user information.

9. The computer-implemented method of claim 1, wherein the identity type information comprises an identity card information, a health insurance card information, or a student identification card information.

10. An apparatus for service processing, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 9.

11. A non-transitory, computer-readable medium for service processing, the non-

transitory, computer-readable medium storing one or more instructions executable by a computer system to perform the method of any one of claims 1 to 9.

12. A computer-implemented system for service processing, comprising:

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 the method of any one of claims 1 to 9.