

AFFAIR PROCESSING METHOD AND DEVICE

The present application claims priority to Chinese Patent Application No. 201510320204.8 filed on June 11, 2015 and entitled "AFFAIR PROCESSING METHOD AND DEVICE", which is
5 incorporated herein by reference in its entirety.

Technical Field

The present application relates to the field of Internet technologies, and in particular, to an affair processing method and device.

Background Art

10 With the arrival of the Internet era, the Internet has been widely applied in people's daily study, work, and life. Various affairs in people's daily life can be processed and presented via networks.

Generally, a network includes multiple network nodes. These network nodes may have different locations and functions and include, for example, a network node located on a server, a network node located on a client terminal, and various network nodes in networks such as a
15 gateway. These network nodes may exchange information to complete affair processing. During processing of an affair in a network, it is generally necessary to acquire various kinds of affair information corresponding to the affair, so as to generate an affair processing request according to the acquired various kinds of affair information, and complete processing of the affair according to the affair processing request. The affair information includes an information type and
20 information content corresponding to the information type. In the prior art, during actual processing of an affair, various kinds of affair information corresponding to the affair to be processed are generally acquired from one single network node.

Various kinds of affair information corresponding to some affairs to be processed usually include at least two types of affair information, and it is suitable to acquire the two types of affair
25 information from two different network nodes. Therefore, if the various kinds of affair information are acquired from one single network node, the acquired affair information may have low accuracy.

Summary of the Invention

An objective of embodiments of the present application is to provide an affair processing method and device, so as to solve the problem of low accuracy of affair information acquired from one single network node in the prior art.

To solve the foregoing technical problem, the affair processing method and device provided in
5 the embodiments of the present application are implemented as follows:

An affair processing method, including:

receiving an affair processing request of a first network node;

receiving first affair information determined by the first network node;

determining a type of to-be-acquired second affair information according to the received first
10 affair information;

sending first information including the type of the second affair information to a second
network node;

receiving second information that is fed back by the second network node and includes content
of the second affair information; and

15 processing an affair of the affair processing request on the basis of the received first affair
information and the content of the second affair information included in the received second
information.

An affair processing method, including:

receiving an affair processing request of a first network node;

20 receiving first affair information determined by the first network node;

receiving a type of to-be-acquired second affair information, the type being determined by the
first network node;

sending first information including the type of the second affair information to a second
network node;

25 receiving second information that is fed back by the second network node and includes content
of the second affair information; and

processing an affair of the affair processing request on the basis of the received first affair

information and the content of the second affair information included in the received second information.

An affair processing method, including:

receiving an affair processing request of a first network node;

5 determining a type of to-be-acquired first affair information and a type of to-be-acquired second affair information according to the received affair processing request;

sending first information including the type of the first affair information to the first network node;

10 sending second information including the type of the second affair information to a second network node;

receiving third information that is fed back by the first network node and includes content of the first affair information;

receiving fourth information that is fed back by the second network node and includes content of the second affair information; and

15 processing an affair of the affair processing request on the basis of the content of the first affair information included in the received third information and the content of the second affair information included in the received fourth information.

An affair processing method, including:

receiving an affair processing request of a first network node;

20 determining, according to the affair processing request, a second network node associated with the first network node;

receiving affair information determined by the first network node;

acquiring address information corresponding to the second network node; and

25 processing an affair of the affair processing request on the basis of the received affair information and the acquired address information corresponding to the second network node.

An affair processing device, including:

a first receiving module configured to receive an affair processing request of a first network

node;

a second receiving module configured to receive first affair information determined by the first network node;

5 a first determination module configured to determine a type of to-be-acquired second affair information according to the received first affair information;

a sending module configured to send first information including the type of the second affair information to a second network node;

a third receiving module configured to receive second information that is fed back by the second network node and includes content of the second affair information; and

10 a processing module configured to process an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information included in the received second information.

An affair processing device, including:

15 a first receiving module configured to receive an affair processing request of a first network node;

a second receiving module configured to receive first affair information determined by the first network node;

a third receiving module configured to receive a type of to-be-acquired second affair information, the type being determined by the first network node;

20 a sending module configured to send first information including the type of the second affair information to a second network node;

a fourth receiving module configured to receive second information that is fed back by the second network node and includes content of the second affair information; and

25 a processing module configured to process an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information included in the received second information.

An affair processing device, including:

a first receiving module configured to receive an affair processing request of a first network node;

a first determination module configured to determine a type of to-be-acquired first affair information and a type of to-be-acquired second affair information according to the received affair processing request;

a first sending module configured to send first information including the type of the first affair information to the first network node;

a second sending module configured to send second information including the type of the second affair information to a second network node;

a second receiving module configured to receive third information that is fed back by the first network node and includes content of the first affair information;

a third receiving module configured to receive fourth information that is fed back by the second network node and includes content of the second affair information; and

a processing module configured to process an affair of the affair processing request on the basis of the content of the first affair information included in the received third information and the content of the second affair information included in the received fourth information.

An affair processing device, including:

a first receiving module configured to receive an affair processing request of a first network node;

a determination module configured to determine, according to the affair processing request, a second network node associated with the first network node;

a second receiving module configured to receive affair information determined by the first network node;

an acquisition module configured to acquire address information corresponding to the second network node; and

a processing module configured to process an affair of the affair processing request on the basis of the received affair information and the acquired address information corresponding to the second

network node.

It can be seen from the technical solutions provided in the embodiments of the present application, during processing of an affair, first affair information determined by a first network node is received, second affair information required for completing the affair to be processed is acquired from a second network node, and the first affair information and second affair information that are acquired from the foregoing two network nodes respectively are finally combined, so as to complete the processing of the affair. Compared with the technical solution of acquiring affair information from one single network node, accuracy of acquired affair information in the embodiments of the present application can be improved.

10 **Brief Description of the Drawings**

To describe the technical solutions in the embodiments of the present application or in the prior art more clearly, the accompanying drawings required for describing the embodiments or prior art are briefly introduced below. Apparently, the accompanying drawings in the following description are merely some of embodiments recorded in the present application. For those of ordinary skill in the art, other accompanying drawings may further be obtained based on these accompanying drawings without paying creative efforts.

FIG. 1 is a frame diagram of an affair processing system including network nodes according to an embodiment of the present application;

FIG. 2 is a flowchart of an affair processing method according to Embodiment 1 of the present application;

FIG. 3 is a flowchart of an affair processing method according to Embodiment 2 of the present application;

FIG. 4 is a flowchart of an affair processing method according to Embodiment 3 of the present application;

FIG. 5 is a flowchart of an affair processing method according to Embodiment 4 of the present application;

FIG. 6 is a modular diagram of an affair processing device according to Embodiment 1 of the

present application;

FIG. 7 is a modular diagram of an affair processing device according to Embodiment 2 of the present application;

FIG. 8 is a modular diagram of an affair processing device according to Embodiment 3 of the present application; and

FIG. 9 is a modular diagram of an affair processing device according to Embodiment 4 of the present application.

Detailed Description

To help those skilled in the art better understand the technical solutions in the present application, the technical solutions in the embodiments of the present application are described clearly and completely in combination with the drawings in the embodiments of the present application. Apparently, the described embodiments are merely some of rather than all of the embodiments of the present application. Based on the embodiments in the present application, all other embodiments obtained by those of ordinary skill in the art without paying creative efforts should belong to the protection scope of the present application.

The network herein may be a social network, a payment network, or a network combining the two, or may be a structure which is adaptively improved and changed based on a conventional network such as a social network or a payment network, so as to be applicable to a network application. Such a social network may be, for example, applied to FACEBOOK, TWITTER, YOUTUBE, LINKEDIN, Wechat, Weibo, and so on, or other types of instant messaging networks. Such a payment network may be applied to paypal, AlipayTM, or other payment networks. Moreover, functions of the payment network and social network may be superposed. With the function superposition, data representing the real-world property may need to be superposed and integrated. Alternatively, the network herein may also be another network, which may be a network having any account or user attribute, a single network such as an e-business network, or a network combining multiple networks, such as a network combining an e-business network and a payment network, and so on.

In an implementable application, for example, the network node has both a social attribute and a payment attribute. In the social network, basic description information may be assigned to the nodes, which, for example, includes human-associated basic attributes. Specifically, for example, in addition to human-associated basic natural attributes, the basic description information further includes human-associated social relation attributes between humans and between human and organization. In the payment network, basic payment description information may be assigned to the nodes, which, for example, includes accounts and virtual currencies or equivalents corresponding thereto, or even direct coupons representing real-world currencies. The virtual currency or equivalent may have a certain conversion relationship with the coupon, and therefore can represent a network-world wealth attribute of a network node when being associated with the network node. The integration of the social network and payment network can enable a network node having a social relation to have a payment virtual function.

FIG. 1 is a frame diagram of an affair processing system including network nodes according to an embodiment of the present application. As shown in FIG. 1, the affair processing system includes one or more servers 20, one or more client terminals 30, and a network 10 configured to connect the server 20 and the client terminal 30. The server 20 may receive affair processing requests sent by the client terminals 30 through the network 10, and acquire, from the corresponding client terminals 30, various pieces of affair information corresponding to the affair processing requests, so as to complete affair processing according to the various pieces of affair information. The server 20 may be a single server or a server group consisting of multiple servers. The client terminal 30 may be a personal computer, a notebook computer, a wireless phone, a personal digital assistant (PDA), a smart watch, or other computer devices and communications devices.

The servers and client terminals each include some basic components in architecture, for example, a bus, a processing device, a storage device, one or more input/output devices, a communication interface, and so on. The bus may include one or more wires used for implementing communication between components of the server and components of the client terminal. The

processing device may include various types of processors or microprocessors for executing instructions and processing processes or threads. The storage device may include a dynamic memory such as a random access memory (RAM) for storing dynamic information, a static memory such as a read-only memory (ROM) for storing static information, and a large-capacity memory including a magnetic or optical recording medium and a corresponding driver. The input device may be a keyboard, a mouse, a stylus, a touch screen, a voice recognition device, a bioassay device, or the like. The output device may be a display, a printer, a loudspeaker, or the like for outputting information. The communication interface is used for enabling the server or client terminal to communicate with another system or device. The communication interfaces may be connected to the network in a wired connection manner, a wireless connection manner, or an optical connection manner, so that the client terminal and the server communicate with each other. Each network may include a local area network (LAN), a wide area network (WAN), an intranet, the Internet, a mobile phone network, a virtual private network (VPN), a cellular or another mobile communications network, Bluetooth, NFC, or any combination thereof. The server and the client terminal each include operating system software for managing system resources and controlling running of other programs, and application software or program instructions for implementing specific functions.

FIG. 2 is a flowchart of an affair processing method according to Embodiment 1 of the present application. In this embodiment, the affair processing method may be executed by the server. The method includes the following steps:

S101: An affair processing request of a first network node is received.

The server may first receive a request which is about affair processing and initiated by the first network node. The first network node may be a start node that initiates an affair processing request during processing of a certain affair. The first network node may be a user account which is logged into on any client terminal in a network. After initiating the affair processing request, the server usually needs to acquire several pieces of affair information corresponding to the affair processing request, so as to perform an affair processing action according to the affair information, or send

further instruction information to a related client terminal.

Each piece of affair information corresponding to an affair to be processed usually includes a type of the affair information and content of the affair information. For example, the type of a piece of affair information is: color, and the corresponding content is: red; or the type of a piece of affair information is: size, and the corresponding content is: 260 mm.

In some embodiments, a mapping relationship table between IDs of affairs to be processed and several pieces of corresponding affair information may be stored in advance on the server. Each piece of affair information includes a type and content. In this case, after receiving the affair processing request initiated by the first network node, the server may acquire an ID of the affair to be processed, and query, by using the pre-stored mapping relationship table, types of affair information required for completing the affair. In actual situations, the content of each piece of affair information usually needs to be acquired from a corresponding network node. Alternatively, multiple options of content of a certain piece of affair information are pre-stored on the server, and the multiple candidate options are sent to a corresponding network node, so that the network node selects from the multiple options.

Generally, the affair corresponding to the affair processing request is usually at least related to the first network node and a second network node. Because different network nodes may have different characteristics or functions, the affair information corresponding to the affair may be classified into two types of information. Considering the accuracy of the affair information, one type of information is suitable to be acquired from the first network node, and the other type of information is suitable to be acquired from the second network node. In this embodiment, it is assumed that an affair to be processed corresponds to first affair information and second affair information, the first affair information represents one or more pieces of information of one type, and the second affair information represents one or more pieces of information of the other type.

In the embodiment of the present application, the affair processing request initiated by the first network node may carry corresponding parameter information. The server may determine, according to the parameter information, multiple to-be-processed affairs matching the parameter

information, so that a user logging onto the first network node selects an affair to be processed.

It should be noted that the first network node and the second network node mentioned herein are associated. The association may be an association in the form of a friend relation on a same network interaction platform, or an association implemented in a same communication group on a same Instant Messaging Application (IM APP), or an association in the form of a friend relation on a same instant messaging application. For example, the first and second network nodes are two user accounts on a website, and the two accounts have a friend relation; or the first and second network nodes are two user accounts having a friend relation on an IM application; or the first and second network nodes are two user accounts in a communication group on an IM application, where the two user accounts may have a friend relation or may have no friend relation. Definitely, the embodiment of the present application is not limited to the above situations. The first network node and the second network node may also be two user accounts not associated with each other, or even may be two user accounts on different network interaction platforms.

S102: First affair information determined by the first network node is received.

After the first network node initiates the affair processing request, the server may send, to the first network node, information including the type of the to-be-acquired first affair information. The first affair information is suitable to be provided by the user who logs on to the first network node. After receiving the type of the first affair information, a client terminal logging on to the first network node can send, to the server, content of the first affair information determined by the first network node. Definitely, the first network node may also select types of affair information suitable to be determined by the first network node while initiating the affair processing, and correspondingly determine content of the various types of affair information.

S103: A type of to-be-acquired second affair information is determined according to the received first affair information.

As described above, in addition to the first affair information, each affair to be processed further includes second affair information. The first affair information and the second affair information represent information of two different types respectively. In this case, after receiving an affair

processing request, the server may first determine a set of to-be-acquired affair information corresponding to the affair to be processed, where the set includes all affair information to be acquired. For example, an affair information set corresponding to an affair to be processed is: {information 1, information 2, information 3, information 4}, where the type of the information 1 is, for example, color; the type of the information 2 is, for example, size; the type of the information 3 is, for example, model; the type of the information 4 is, for example, quantity.

In this embodiment, the server determines the type of the to-be-acquired second affair information according to the first affair information received from the first network node. In the foregoing example, it is assumed that the received first affair information includes: {information 3, information 4}, the content of the information 3 is model A, and the content of the information 4 is 5. Then, the server may judge, according to the received first affair information: {information 3, information 4}, that second affair information which the affair to be processed still lacks is: {information 1, information 2}, and thus may determine that the types of the to-be-acquired second affair information are color and size respectively.

S104: First information including the type of the second affair information is sent to a second network node.

In general cases, because the user logging on to the first network node does not know the second affair information of a user logging on to the second network node, the to-be-acquired second affair information is suitable to be provided by the user of the second network node. Therefore, the server sends the first information including the type of the second affair information to the second network node, so that the user logging on to the second network node determines content of the second affair information. It should be additionally noted that the first information may include some basic information of the affair to be processed, for example: initiation date and theme of the affair, information of the first network node (or user) initiating the affair processing request, and so on. The first information may further include the first affair information already determined by the first network node, and so on.

S105: Second information that is fed back by the second network node and includes content of

the second affair information is received.

In the foregoing example, assuming that the types of the second affair information included in the sent first information are color and size, correspondingly, the content of the second affair information received by the server may be red and 260 mm.

5 S106: An affair of the affair processing request is processed on the basis of the received first affair information and the content of the second affair information included in the received second information.

So far, the server may receive the first affair information from the first network node and the second affair information from the second network node, and may complete the subsequent affair
10 processing action according to the first and second affair information. For example, the types of the affair information corresponding to the affair to be processed are color, size, model, and quantity respectively, and the content corresponding to the affair information is: red, 260 mm, model A, 5 respectively.

In the embodiment of the present application, before the step S106 of processing an affair of
15 the affair processing request, the method further includes:

acquiring address information corresponding to the second network node associated with the first network node. The address information may be address information filled in by the user of the second network node during user account registration, or may be address information acquired by means of a positioning technology.

20 In this case, the step S106 of processing an affair of the affair processing request specifically includes:

processing the affair of the affair processing request on the basis of the determined first affair information, the content of the second affair information included in the received second information, and the acquired address information.

25 In combination with a specific application scenario, a specific application of the embodiment shown in FIG. 2 may be as follows:

A server receives a request of sending a gift to a second network node initiated by a first

network node. The server pushes, according to parameter information (such as a gift for woman) carried in the request, a commodity information page (such as a commodity information interface of women products) corresponding to the parameter information to a client terminal logging on to the first network node. The first network node may select women's shoes as a gift on the commodity information page. After that, the server receives first commodity information {women's shoe brand: XX, women's shoe quantity: 1} sent by the first network node. After receiving the first commodity information, the server may determine that types of lacked second commodity information are: {women's shoe color, women's shoe size}. Afterwards, the server may send the determined types of the second commodity information: {women's shoe color, women's shoe size} to the second network node. The second network node may subsequently feed determined content of the second commodity information: {red, 260 mm} back to the server. Thus, gift-sending order information is generated, and the order information is pushed to the first network node, so that the user of the first network node completes order payment. Definitely, in another application scenario of the present application, the order payment action may also be completed by the user of the second network node, or may be cooperatively completed by the first network node and the second network node.

In the application scenario, when generating the gift-sending order, the server sets address information of the user of the second network node as a logistic address of the order because the recipient of the gift is the user of the second network node, making sure that the commodity can be directly delivered to the recipient. In a specific application scenario of the present application, if the first network node and the second network node are two accounts associated as friends on an instant messaging application, the first network node may send a "gift sending" request to the server in real time by using the instant messaging application software. Then, the server sends a message including a type of to-be-determined second commodity information to the second network node. After receiving the type of the second commodity information, the second network node feeds a message including content of the second commodity information back to the server. Finally, the server generates a "gift sending" order according to determined content of each piece of commodity information.

FIG. 3 is a flowchart of an affair processing method according to Embodiment 2 of the present application. In this embodiment, the affair processing method includes the following steps:

S201: An affair processing request of a first network node is received.

S202: First affair information determined by the first network node is received.

5 S203: A type of to-be-acquired second affair information determined by the first network node is received.

S204: First information including the type of the second affair information is sent to a second network node.

10 S205: Second information which is fed back by the second network node and includes content of the second affair information is received.

S206: An affair of the affair processing request is processed on the basis of the received first affair information and the content of the second affair information included in the received second information.

Reference may be made to the content of Embodiment 1 for technical details of this
15 embodiment. The difference between this embodiment and Embodiment 1 lies in that: in step S203, the server receives the type of the to-be-acquired second affair information determined by the first network node. In other words, the first network node initiating the affair processing request determines the type of the second affair information. For example, an affair information set corresponding to an affair to be processed is: {information 1, information 2, information 3,
20 information 4}, where the type of the information 1 is color, the type of the information 2 is size, the type of the information 3 is model, and the type of the information 4 is quantity. During actual processing, as a user logging on to the first network node may not know some affair information such as the information 1 of a user logging on to the second network node, the first affair information that can be determined by the user logging on to the first network node includes:
25 {information 2, information 3, information 4}, and determine that the type of the to-be-acquired second affair information is: color. After that, the server receives the type of the second affair information determined by the first network node, and sends the first information including the

type to the second network node, such that the user logging on to the second network node provides the type.

In combination of a specific application scenario, a specific application of the embodiment shown in FIG. 3 may be as follows:

5 A server receives a request of sending a gift to a second network node initiated by a first network node. The server pushes, according to parameter information (such as a gift for woman) carried in the request, a commodity information page (such as a commodity information interface of women products) corresponding to the parameter information to a client terminal logging on to the first network node. The first network node may select women's shoes as a gift. After that, the
10 server receives first commodity information {women's shoe brand: XX, women's shoe quantity: 1, women's shoe size: 260 mm} sent by the first network node, and receives the type of to-be-determined second commodity information selected by the second network node: "women's shoe color". Next, the server sends the type of the second commodity information "women's shoe color" to the second network node. The second network node may subsequently feed determined content
15 of the second commodity information "red" back to the server. Thus, gift-sending order information may be generated, and the order information is pushed to the first network node, so that the user of the first network node completes order payment. Definitely, in another application scenario of the present application, the order payment action may also be completed by the user of the second network node, or may be cooperatively completed by the first network node and the second
20 network node.

In the application scenario, when generating the gift-sending order, the server sets address information of the user of the second network node as a logistic address of the order because the recipient of the gift is the user of the second network node, making sure that the commodity can be directly delivered to the recipient.

25 In a specific application scenario of the present application, if the first network node and the second network node are two accounts associated as friends on an instant messaging application, the first network node may send a "gift sending" request to the server in real time by using the

instant messaging application software. Then, the server sends a message including a type of to-be-determined second commodity information to the second network node. After receiving the type of the second commodity information, the second network node feeds a message including content of the second commodity information back to the server. Finally, the server generates a "gift sending" order according to determined content of each piece of commodity information.

FIG. 4 is a flowchart of an affair processing method according to Embodiment 3 of the present application. In this embodiment, the affair processing method includes the following steps:

S301: An affair processing request of a first network node is received.

S302: A type of to-be-acquired first affair information and a type of to-be-acquired second affair information are determined according to the received affair processing request.

S303: First information including the type of the first affair information is sent to the first network node.

S304: Second information including the type of the second affair information is sent to a second network node.

S305: Third information which is fed back by the first network node and includes content of the first affair information is received.

S306: Fourth information which is fed back by the second network node and includes content of the second affair information is received.

S307: An affair of the affair processing request is processed on the basis of the content of the first affair information included in the received third information and the content of the second affair information included in the received fourth information.

Reference may be made to the content of Embodiment 1 or Embodiment 2 for technical details of this embodiment. The difference between this embodiment and Embodiment 1 or Embodiment 2 lies in that:

After receiving the affair processing request initiated by the first network node, the server may determine, according to the affair processing request, the type of to-be-acquired first affair information and the type of to-be-acquired second affair information. In other words, after all affair

information corresponding to the affair to be processed is acquired, the server determines which affair information belongs to the first affair information suitable to be provided by the first network node and which affair information belongs to the second affair information suitable to be provided by the second network node. During practical processing, an information classification table corresponding to various types of affair processing requests is pre-stored on the server. By means of the information classification table, after receiving an affair processing request, the server may query to obtain information included in the first affair information corresponding to the affair processing request and information included in the second affair information corresponding to the affair processing request. Description is continued by using an example: an affair information set corresponding to an affair to be processed is: {information 1, information 2, information 3, information 4}, wherein the type of the information 1 is, for example, color; the type of the information 2 is, for example, size; the type of the information 3 is, for example, model; and the type of the information 4 is, for example, quantity. By querying the foregoing information classification table, the server may obtain first affair information including {information 3, information 4}, and obtain second affair information including {information 1, information 2}. Finally, the types of the first affair information: {model, quantity} are sent to the first network node, and the types of the second affair information: {color, size} are sent to the second network node, so that the first and second network nodes separately feed the content of the first affair information: {model A, 2} and the content of the second affair information: {red, 260 mm} back to the server. So far, all the information of the affair can be obtained.

In combination with a specific application scenario, a specific application of the embodiment shown in FIG. 4 may be as follows:

A server receives a request of sending a gift to a second network node initiated by a first network node. The server pushes, according to parameter information (such as a gift for woman) carried in the request, a commodity information page (such as a commodity information interface of women products) corresponding to the parameter information to a client terminal logging on to the first network node. The first network node may select women's shoes on the commodity

information interface as a gift. After that, by querying a pre-stored information classification table, the server may obtain types of first commodity information including {women's shoe brand, women's shoe quantity}, and obtain types of second commodity information including {women's shoe color, women's shoe size}. Next, the server sends the acquired types of the first commodity information: {women's shoe brand, women's shoe quantity} to the first network node, and sends the acquired types of the second commodity information: {women's shoe color, women's shoe size} to the second network node. Finally, the server may receive the content of the first commodity information fed back by the first network node: {XX, 2}, and the content of the second commodity information fed back by the second network node: {red, 260 mm}. So far, gift-sending order information may be generated according to the commodity information, and the order information is pushed to the first network node, so that the user of the first network node completes order payment. Definitely, in another application scenario of the present application, the order payment action may also be completed by the user of the second network node, or may be cooperatively completed by the first network node and the second network node.

In the application scenario, when generating the gift-sending order, the server sets address information of the user of the second network node as a logistic address of the order because the recipient of the gift is the user of the second network node, making sure that the commodity can be directly delivered to the recipient.

In a specific application scenario of the present application, if the first network node and the second network node are two accounts associated as friends on an instant messaging application, the first network node may send a "gift sending" request to the server in real time by using the instant messaging application software. Then, the server sends a message including a type of to-be-determined second commodity information to the second network node. After receiving the type of the second commodity information, the second network node feeds a message including content of the second commodity information back to the server. Finally, the server generates a "gift sending" order according to determined content of each piece of commodity information.

FIG. 5 is a flowchart of an affair processing method according to Embodiment 4 of the present

application. In this embodiment, the affair processing method includes the following steps:

S401: An affair processing request of a first network node is received.

S402: A second network node associated with the first network node is determined according to the affair processing request.

5 S403: Affair information determined by the first network node is received.

S404: Address information corresponding to the second network node is acquired.

S405: An affair of the affair processing request is processed on the basis of the received affair information and the acquired address information corresponding to the second network node.

10 Reference may be made to the content of Embodiment 1, Embodiment 2 or Embodiment 3 for technical details of this embodiment. The difference between this embodiment and Embodiment 1, Embodiment 2 or Embodiment 3 lies in that:

In this embodiment, after the affair processing request is received, related affair information may be acquired from the first network node. The affair information may be acquired in the following manner: the first network node actively sends the affair information, or a corresponding information prompt (a message including a type of affair information that needs to be acquired) is pushed to the first network node. In addition, in this embodiment, the server may further query address information of the second network node. The address information may be address information filled in by a user of the second network node during user account registration, or may be location information of the second network node obtained by using a positioning technology. Finally, the affair is processed according to the affair information obtained from the first network node and the address information of the second network node obtained by the server through query.

In combination with a specific application scenario, a specific application of the embodiment shown in FIG. 4 may be as follows:

25 A server receives a request of sending a gift to a second network node initiated by a first network node. The server pushes, according to parameter information (such as gift for woman) carried in the request, a commodity information page (such as a commodity information interface of women products) corresponding to the parameter information to a client terminal logging on to

the first network node. The first network node may select women's shoes on the commodity information interface as a gift. After that, the server sends, to the first network node, types of commodity information that needs to be acquired: {women's shoe brand, women's shoe quantity, women's shoe color, women's shoe size}. Finally, the server may receive content of the commodity information fed back by the first network node: {XX, 2, red, 260 mm}, and query a database to obtain address information of a gift recipient: No. 28, X street, X county, X city. So far, gift-sending order information may be generated according to the commodity information, and the order information is pushed to the first network node, so that the user of the first network node completes order payment. In this application scenario, when generating the gift-sending order, the server sets address information of the user of the second network node, No. 28, X street, X county, X city, as a logistic address of the order because the recipient of the gift is the user of the second network node, making sure that the commodity can be directly delivered to the recipient.

In a specific application scenario of the present application, if the first network node and the second network node are two accounts associated as friends on an instant messaging application, the first network node may send a "gift sending" request to the server in real time by using the instant messaging application software. Then, the server sends a message including a type of to-be-determined second commodity information to the second network node. After receiving the type of the second commodity information, the second network node feeds a message including content of the second commodity information back to the server. Finally, the server generates a "gift sending" order according to determined content of each piece of commodity information.

It can be understood that the above steps may be implemented on a server, that is, implemented in a network architecture. In other implementations, the steps may also be implemented between different network architectures.

In another embodiment of the present application, the first network node and the second network node may be two friends on an instant messaging application. In this case, the first and second network nodes may complete the affair processing during chatting on the instant messaging application. Specifically, the method of this embodiment includes the following steps:

Step a: The server receives an affair processing request sent by the first network node through the instant messaging application, and generates affair information corresponding to the affair processing request.

For example, it is assumed that user A of the first network node and user B of the second network node are friends in an instant messaging application. Assuming that the affair processing request is a gift sending request, user A of the first network node may initiate the gift sending request by triggering a gift sending button (which may be integrated in a chatting input item) in a chatting interface of the instant messaging application. Then, the server pushes a gift sending interface to user A, and user A may select a gift such as clothes in the gift sending interface, and generates affair information (such as gift sending information). Specifically, the gift sending information may include a type of to-be-determined information. Content of a part of information in the gift sending information may be determined by user A of the first network node, and the other part of information may be determined by user B of the second network node.

Step b: The server sends the generated affair information to the second network node associated with the first network node, the affair information including type(s) of one or more pieces of to-be-determined information.

In this embodiment, the server sends the type of to-be-determined information in the generated affair information to the second network node. For example, after receiving the gift sending information, user B of the second network node may open a gift sending interface corresponding to the gift sending information, and may view the type(s) of one or more pieces of to-be-determined information in the gift sending interface, for example, the color, size, and the like of the clothes. In addition, user B of the second network node may choose to receive the gift or not. If choosing to receive the gift, user B needs to determine content of the to-be-determined information, for example, the color of the clothes is red, and the size of the clothes is 260 mm.

Step c: The server receives content of the to-be-determined information sent by the second network node, and processes an affair of the affair processing request according to the content of the to-be-determined information.

The server may generate a gift sending order after receiving the content of to-be-determined information fed back by user B of the second network node through the instant messaging application. A gift provider may perform operations such as deduction and delivery based on the order.

5 The gift sending interface may be a separate server that can be associated with the instant messaging application (definitely, this server and the server of the instant messaging application may be the same server). The server (such as a shopping server) may implement operations such as purchasing goods, generating an order, and payment. This process may be considered as being implemented cooperatively by the server of the instant messaging application and the shopping
10 server. That is, sending and receiving of the request may be implemented in the server of the instant messaging application, and order generation or the like may be implemented in the shopping server.

It can be seen that, in different network architectures or different implementations, a network architecture where the first network node and the second network node are located may implement operations such as processing the affair processing request, that is, the network architecture may
15 independently implement all of the foregoing method steps. Definitely, the network architecture may also be connected to another network architecture platform. For example, part of processing for the affair processing request may be assigned to another system for processing, or may be processed by invoking another system, and the network architecture may implement a connection function and the like. No matter which kind of network architecture is used, the above steps can be
20 executed.

For another example, in an implementation, the method may be applied to a network shopping platform architecture. Two users on the platform may cooperate with each other to process one affair, for example, process an order. Assuming that user A on the platform purchases a commodity such as clothes, after selecting the clothes, user A may send the information to user B. The user B
25 modifies attribute information of the clothes, such as color and size, and after confirmation, the platform may generate a shopping order for user A. Payment of the order may be complemented by user A or user B, or by the user A and user B jointly. It can be seen that there may be specific

implementation processes in different scenarios, which are not specifically limited in the present application, provided that affair processing, such as shopping processing, is implemented cooperatively by different users.

It can be seen from the technical solutions of the affair processing method provided in the foregoing embodiments of the present application, during processing of an affair, first affair information determined by a first network node is received, and second affair information required for processing the affair to be processed is acquired from a second network node; finally, the first affair information and the second affair information acquired from the two network nodes respectively are combined, to complete the affair processing procedure. Compared with the technical solution of acquiring affair information from a single network node, the accuracy of the affair information acquired in the embodiments of the present application can be improved.

Next, the device embodiment of the present application will be described based on the technical solutions of the method embodiments disclosed above. As an affair processing device is generated based on the principle of the foregoing affair processing method, for all or some of specific technical details of the device, reference may be made to the content of the foregoing method.

FIG. 6 is a modular diagram of an affair processing device according to Embodiment 1 of the present application. In this embodiment, the affair processing device includes:

a first receiving module 501 configured to receive an affair processing request of a first network node;

a second receiving module 502 configured to receive first affair information determined by the first network node;

a first determination module 503 configured to determine a type of to-be-acquired second affair information according to the received first affair information;

a sending module 504 configured to send first information including the type of the second affair information to a second network node;

a third receiving module 505 configured to receive second information that is fed back by the second network node and includes content of the second affair information; and

a processing module 506 configured to process an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information included in the received second information.

FIG. 7 is a modular diagram of an affair processing device according to Embodiment 2 of the present application. In this embodiment, the affair processing device includes:

a first receiving module 601 configured to receive an affair processing request of a first network node;

a second receiving module 602 configured to receive first affair information determined by the first network node;

a third receiving module 603 configured to receive a type of to-be-acquired second affair information, the type being determined by the first network node;

a sending module 604 configured to send first information including the type of the second affair information to a second network node;

a fourth receiving module 605 configured to receive second information that is fed back by the second network node and includes content of the second affair information; and

a processing module 606 configured to process an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information included in the received second information.

FIG. 8 is a modular diagram of an affair processing device according to Embodiment 3 of the present application. In this embodiment, the affair processing device includes:

a first receiving module 701 configured to receive an affair processing request of a first network node;

a first determination module 702 configured to determine a type of to-be-acquired first affair information and a type of to-be-acquired second affair information according to the received affair processing request;

a first sending module 703 configured to send first information including the type of the first affair information to the first network node;

a second sending module 704 configured to send second information including the type of the second affair information to a second network node;

a second receiving module 705 configured to receive third information that is fed back by the first network node and includes content of the first affair information;

5 a third receiving module 706 configured to receive fourth information that is fed back by the second network node and includes content of the second affair information; and

a processing module 707 configured to process an affair of the affair processing request on the basis of the content of the first affair information included in the received third information and the content of the second affair information included in the received fourth information.

10 FIG. 9 is a modular diagram of an affair processing device according to Embodiment 4 of the present application. In this embodiment, the affair processing device includes:

a first receiving module 801 configured to receive an affair processing request of a first network node;

a determination module 802 configured to determine, according to the affair processing request,
15 a second network node associated with the first network node;

a second receiving module 803 configured to receive affair information determined by the first network node;

an acquisition module 804 configured to acquire address information corresponding to the second network node; and

20 a processing module 805 configured to process an affair of the affair processing request on the basis of the received affair information and the acquired address information corresponding to the second network node.

It can be seen from the technical solutions of the affair processing device provided in the foregoing embodiments of the present application, during processing of an affair, first affair
25 information determined by a first network node is received, and second affair information required for processing the affair to be processed is acquired from a second network node; finally, the first affair information and the second affair information acquired from the two network nodes

respectively are combined, to complete the affair processing procedure. Compared with the technical solution of acquiring affair information from a single network node, the accuracy of the affair information acquired in the embodiments of the present application can be improved.

In another aspect, in the prior art, after initiating an affair processing request, if the first network node cannot determine content of some affair information corresponding to the affair processing request, to-be-sent information of types of the affair information that cannot be determined may be frequently sent to the server (till accurate content of the affair information is acquired), so that the server delivers the to-be-sent information to the second network node for determination. In the foregoing process, frequent pushing of information to the server may cause additional burden to the server, which inevitably results in loss of network resources. From this point, the embodiments of the present application can effectively reduce the burden on the server, and reduce the loss of network resources.

It is worth mentioning that the specific application scenario of the affair processing method and device in the present application is not limited to the scenario listed in the specification. Other applicable scenarios may be, for example: a first network node sends a ticket ordering affair request to a server, and a second network node needs to determine affair information such as "number of ticket ordering persons" and "type of ordered ticket".

For ease of description, the foregoing device is described as various units based on functions. Definitely, during implementation of the present application, the functions of the units may be implemented in a same piece of or multiple pieces of software and/or hardware.

Those skilled in the art should understand that the embodiments of the present invention may be provided as a method, a system, or a computer program product. Therefore, the embodiments of the present application may be implemented as a complete hardware embodiment, a complete software embodiment, or an embodiment combining software and hardware. Moreover, the present invention may be a computer program product implemented on one or more computer usable storage media (including, but not limited to, a magnetic disk memory, a CD-ROM, an optical memory, and the like) including computer usable program code.

The present invention is described with reference to flowcharts and/or block diagrams according to the method, device (system) and computer program product according to the embodiments of the present invention. It should be understood that a computer program instruction may be used to implement each process and/or block in the flowcharts and/or block diagrams and combinations of processes and/or blocks in the flowcharts and/or block diagrams. These computer program instructions may be provided for a general-purpose computer, a special-purpose computer, an embedded processor, or a processor of any other programmable data processing device to generate a machine, so that the instructions executed by a computer or a processor of any other programmable processing device generate an apparatus for implementing a specified function in one or more processes in the flowcharts and/or in one or more blocks in the block diagrams.

These computer program instructions may also be stored in a computer readable memory that can instruct the computer or any other programmable data processing device to work in a particular manner, such that the instructions stored in the computer readable memory generate an artifact that includes an instruction apparatus. The instruction apparatus implements a specified function in one or more processes in the flowcharts and/or in one or more blocks in the block diagrams.

These computer program instructions may also be loaded onto a computer or another programmable data processing device, such that a series of operations and steps are performed on the computer or another programmable device, thereby generating computer-implemented processing. Therefore, the instructions executed on the computer or another programmable device provide steps for implementing a specified function in one or more processes in the flowcharts and/or in one or more blocks in the block diagrams.

It should be further noted that the term "include", "comprise" or any other variations thereof are intended to cover non-exclusive inclusion, so that a process, method, commodity or device including a series of elements not only includes the elements, but also includes other elements not clearly listed, or further includes inherent elements of the process, method, commodity or device. In a case without any more limitations, an element defined by "including a(n)..." does not exclude that the process, method, product or device including the element further has other identical

elements.

Those skilled in the art should understand that the embodiments of the present application may be provided as a method, a system, or a computer program product. Therefore, the present application may be implemented as a complete hardware embodiment, a complete software
5 embodiment, or an embodiment combining software and hardware. Moreover, the present application may be a computer program product implemented on one or more computer usable storage media (including, but not limited to, a magnetic disk memory, a CD-ROM, an optical memory, and the like) including computer usable program code.

The present application may be described in general context, such as program modules, of
10 computer executable instructions executed by a computer. Generally, the program module includes a routine, a program, an object, a component, a data structure, and so on, for executing a specific task or implementing a specific abstract data type. The present application may also be practiced in distributed computing environments, and tasks are executed by remote processing devices that are connected through a communications network in these distributed computing environment. In
15 the distributed computing environments, the program modules may be located in a local and remote computer storage media including a storage device.

The embodiments in the specification are described in a progressive manner. For identical or similar portions of the embodiments, reference may be made to each other. Each embodiment focuses on differences from other embodiments. Especially, the system embodiment is described
20 in a relatively simple manner as it is basically similar to the method embodiment, and for related portions, reference may be made to the partial description of the method embodiment.

Described above are merely embodiments of the present application, which are not intended to limit the present application. For those skilled in the art, the present application may have various alterations and changes. Any modification, equivalent replacement, improvement, and the like
25 made within the spirit and principle of the present application should fall in the scope of the claims of the present application.

CLAIMS

1. An affair processing method, comprising:

receiving an affair processing request of a first network node;

receiving first affair information determined by the first network node;

5 determining a type of to-be-acquired second affair information according to the received first affair information;

 sending first information comprising the type of the second affair information to a second network node;

 receiving second information that is fed back by the second network node and comprises
10 content of the second affair information; and

 processing an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information comprised in the received second information.

2. The method of claim 1, wherein before the step of sending first information comprising the
15 type of the second affair information to a second network node, the method further comprises:

 determining a second network node associated with the first network node according to the affair processing request of the first network node.

3. The method of claim 2, wherein the step of determining a second network node associated with the first network node comprises:

20 determining a second network node that is associated as a friend with the first network node on a same network interaction platform; or

 determining a second network node that is in a same communication group on an instant messaging application with the first network node; or

 determining a second network node that is associated as a friend with the first network node
25 on an instant messaging application.

4. The method of claim 2, wherein before the step of processing an affair of the affair processing request, the method further comprises:

acquiring address information corresponding to the second network node associated with the first network node; and then

the step of processing an affair of the affair processing request comprises:

processing the affair of the affair processing request on the basis of the determined first affair
5 information, the content of the second affair information comprised in the received second information, and the acquired address information.

5. An affair processing method, comprising:

receiving an affair processing request of a first network node;

receiving first affair information determined by the first network node;

10 receiving a type of to-be-acquired second affair information, the type being determined by the first network node;

sending first information comprising the type of the second affair information to a second network node;

receiving second information that is fed back by the second network node and comprises
15 content of the second affair information; and

processing an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information comprised in the received second information.

6. The method of claim 5, wherein before the step of sending first information comprising the
20 type of the second affair information to a second network node, the method further comprises:

determining a second network node associated with the first network node according to the affair processing request of the first network node.

7. The method of claim 6, wherein the step of determining a second network node associated with the first network node comprises:

25 determining a second network node that is associated as a friend with the first network node on a same network interaction platform; or

determining a second network node that is in a same communication group on an instant messaging application with the first network node; or

determining a second network node that is associated as a friend with the first network node on an instant messaging application.

5 8. The method of claim 6, wherein before the step of processing an affair of the affair processing request, the method further comprises:

acquiring address information corresponding to the second network node associated with the first network node; and then

the step of processing an affair of the affair processing request comprises:

10 processing the affair of the affair processing request on the basis of the determined first affair information, the content of the second affair information comprised in the received second information, and the acquired address information.

9. An affair processing method, comprising:

receiving an affair processing request of a first network node;

15 determining a type of to-be-acquired first affair information and a type of to-be-acquired second affair information according to the received affair processing request;

sending first information comprising the type of the first affair information to the first network node;

20 sending second information comprising the type of the second affair information to a second network node;

receiving third information that is fed back by the first network node and comprises content of the first affair information;

receiving fourth information that is fed back by the second network node and comprises content of the second affair information; and

25 processing an affair of the affair processing request on the basis of the content of the first affair information comprised in the received third information and the content of the second affair information comprised in the received fourth information.

10. The method of claim 9, wherein before the step of sending second information comprising the type of the second affair information to a second network node, the method further comprises:

determining a second network node associated with the first network node according to the affair processing request of the first network node.

5 11. The method of claim 10, wherein the step of determining a second network node associated with the first network node comprises:

determining a second network node that is associated as a friend with the first network node on a same network interaction platform; or

10 determining a second network node that is in a same communication group on an instant messaging application with the first network node; or

determining a second network node that is associated as a friend with the first network node on an instant messaging application.

12. The method of claim 10, wherein before the step of processing an affair of the affair processing request, the method further comprises:

15 acquiring address information corresponding to the second network node associated with the first network node; and then

the step of processing an affair of the affair processing request comprises:

20 processing the affair of the affair processing request on the basis of the content of the first affair information comprised in the received third information, the content of the second affair information comprised in the received fourth information, and the acquired address information.

13. An affair processing method, comprising:

receiving an affair processing request of a first network node;

determining, according to the affair processing request, a second network node associated with the first network node;

25 receiving affair information determined by the first network node;

acquiring address information corresponding to the second network node; and

processing an affair of the affair processing request on the basis of the received affair information and the acquired address information corresponding to the second network node.

14. An affair processing device, comprising:

5 a first receiving module configured to receive an affair processing request of a first network node;

a second receiving module configured to receive first affair information determined by the first network node;

a first determination module configured to determine a type of to-be-acquired second affair information according to the received first affair information;

10 a sending module configured to send first information comprising the type of the second affair information to a second network node;

a third receiving module configured to receive second information that is fed back by the second network node and comprises content of the second affair information; and

15 a processing module configured to process an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information comprised in the received second information.

15. The device of claim 14, wherein the device further comprises:

a second determination module configured to determine a second network node associated with the first network node according to the affair processing request of the first network node.

20 16. The device of claim 15, wherein the second determination module is configured to:

determine a second network node that is associated as a friend with the first network node on a same network interaction platform; or

determine a second network node that is in a same communication group on an instant messaging application with the first network node; or

25 determine a second network node that is associated as a friend with the first network node on an instant messaging application.

17. The device of claim 15, wherein the device further comprises an acquisition module configured to:

acquire address information corresponding to the second network node associated with the first network node; and then

5 the processing module is configured to:

process the affair of the affair processing request on the basis of the determined first affair information, the content of the second affair information comprised in the received second information, and the acquired address information.

18. An affair processing device, comprising:

10 a first receiving module configured to receive an affair processing request of a first network node;

a second receiving module configured to receive first affair information determined by the first network node;

15 a third receiving module configured to receive a type of to-be-acquired second affair information, the type being determined by the first network node;

a sending module configured to send first information comprising the type of the second affair information to a second network node;

a fourth receiving module configured to receive second information that is fed back by the second network node and comprises content of the second affair information; and

20 a processing module configured to process an affair of the affair processing request on the basis of the received first affair information and the content of the second affair information comprised in the received second information.

19. The device of claim 18, wherein the device further comprises:

25 a second determination module configured to determine a second network node associated with the first network node according to the affair processing request of the first network node.

20. The device of claim 19, wherein the second determination module is configured to:

determine a second network node that is associated as a friend with the first network node on a same network interaction platform; or

determine a second network node that is in a same communication group on an instant messaging application with the first network node; or

5 determine a second network node that is associated as a friend with the first network node on an instant messaging application.

21. The device of claim 19, wherein the device further comprises an acquisition module configured to:

10 acquire address information corresponding to the second network node associated with the first network node; and then

the processing module is configured to:

process the affair of the affair processing request on the basis of the determined first affair information, the content of the second affair information comprised in the received second information, and the acquired address information.

15 22. An affair processing device, comprising:

a first receiving module configured to receive an affair processing request of a first network node;

20 a first determination module configured to determine a type of to-be-acquired first affair information and a type of to-be-acquired second affair information according to the received affair processing request;

a first sending module configured to send first information comprising the type of the first affair information to the first network node;

a second sending module configured to send second information comprising the type of the second affair information to a second network node;

25 a second receiving module configured to receive third information that is fed back by the first network node and comprises content of the first affair information;

a third receiving module configured to receive fourth information that is fed back by the second network node and comprises content of the second affair information; and

a processing module configured to process an affair of the affair processing request on the basis of the content of the first affair information comprised in the received third information and
5 the content of the second affair information comprised in the received fourth information.

23. The device of claim 22, wherein the device further comprises:

a second determination module configured to determine a second network node associated with the first network node according to the affair processing request of the first network node.

24. The device of claim 23, wherein the second determination module is configured to:

10 determine a second network node that is associated as a friend with the first network node on a same network interaction platform; or

determine a second network node that is in a same communication group on an instant messaging application with the first network node; or

determine a second network node that is associated as a friend with the first network node on
15 an instant messaging application.

25. The device of claim 23, wherein the device further comprises an acquisition module configured to:

acquire address information corresponding to the second network node associated with the first network node; and then

20 the processing module is configured to:

process the affair of the affair processing request on the basis of the content of the first affair information comprised in the received third information, the content of the second affair information comprised in the received fourth information, and the acquired address information.

26. An affair processing device, comprising:

25 a first receiving module configured to receive an affair processing request of a first network node;

a determination module configured to determine, according to the affair processing request, a second network node associated with the first network node;

a second receiving module configured to receive affair information determined by the first network node;

5 an acquisition module configured to acquire address information corresponding to the second network node; and

a processing module configured to process an affair of the affair processing request on the basis of the received affair information and the acquired address information corresponding to the second network node.