

A METHOD, EQUIPMENT AND MEDIUM FOR PRESENTING MESSAGE INFORMATION

The present application claims priority from CN 202310589884.8
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TECHNICAL FIELD

[0001] The present application relates to the field of communication, in particular to a technology for presenting message information.

BACKGROUND

10 [0002] Most IM software provides various chat modes, such as text, pictures, voice, etc. When a recipient user is online, the user can receive and reply the messages in real time, and if the recipient user is not online at that time, the messages are pulled when the user opens the app next time, and the user can click a conversation page of the corresponding sender to view the messages. But there is a problem here: when the number of the
15 contacts of the user is large, the number of the pulled off-line messages may be large, and the user does not know which contact has more urgent or important messages; when there are few contacts but there are many messages sent to the user by a friend, important messages may be ignored, and it is not easy to find more important messages.

DISCLOSURE OF INVENTION

20 [0003] An object of the present application is to provide a method, equipment and medium for presenting message information.

[0004] According to an aspect of the present application, there is provided a method for presenting message information, the method comprises:

[0005] acquiring message information input by the first user aiming at the second user
25 in an instant messaging application;

[0006] determining whether the first user has message leaving authority about the

second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0007] According to another aspect of the present application, there is provided a method for presenting message information, the method comprises:

[0008] responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user;

[0009] sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0010] According to another aspect of the present application, there is provided a method for presenting message information, the method comprises:

[0011] receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment;

[0012] presenting the message information in a message board of the instant messaging application.

[0013] According to one aspect of the present application, there is provided a computer equipment for presenting message information, the equipment comprises:

[0014] a processor; and

[0015] a memory arranged to store computer executable instructions that, when executed, cause the processor to perform the following:

[0016] acquiring message information input by the first user aiming at the second user in an instant messaging application;

[0017] determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0018] According to another aspect of the present application, there is provided a computer equipment for presenting message information, the equipment comprises:

[0019] a processor; and

[0020] a memory arranged to store computer executable instructions that, when
5 executed, cause the processor to perform the following:

[0021] responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user;

[0022] sending the message information to network equipment, wherein the network
10 equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0023] According to another aspect of the present application, there is provided a
15 computer equipment for presenting message information, the equipment comprises:

[0024] a processor; and

[0025] a memory arranged to store computer executable instructions that, when
executed, cause the processor to perform the following:

[0026] receiving message information which is sent by network equipment and input by
20 the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment;

[0027] presenting the message information in a message board of the instant messaging
25 application.

[0028] According to one aspect of the present application, there is provided a computer-readable medium storing instructions that, when executed, cause a system to perform the following:

[0029] acquiring message information input by the first user aiming at the second user
30 in an instant messaging application;

[0030] determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board

of the instant messaging application.

[0031] According to another aspect of the present application, there is provided a computer-readable medium storing instructions that, when executed, cause a system to perform the following:

5 [0032] responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user;

[0033] sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the
10 second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0034] According to another aspect of the present application, there is provided a computer-readable medium storing instructions that, when executed, cause a system to
15 perform the following:

[0035] receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user
20 equipment;

[0036] presenting the message information in a message board of the instant messaging application.

[0037] According to an aspect of the present application, there is provided a network equipment for presenting message information, the equipment comprises:

25 [0038] one one module, used for acquiring message information input by the first user aiming at the second user in an instant messaging application;

[0039] one two module, used for determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in
30 a message board of the instant messaging application.

[0040] According to another aspect of the present application, there is provided a first user equipment for presenting message information, the equipment comprises:

[0041] two one module, used for responding to a message input operation executed by

the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user;

[0042] two two module, used for sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0043] According to another aspect of the present application, there is provided a second user equipment for presenting message information, the equipment comprises:

[0044] three one module, used for receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment;

[0045] three two module, used for presenting the message information in a message board of the instant messaging application.

[0046] Compared with the prior art, the present application is obtained by acquiring message information input by the first user aiming at the second user in an instant messaging application; determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application, so that the user can know which friend's message is more urgent or important under the condition of more offline messages, or know which message is more important under the condition of more offline messages sent to the user by a certain friend. And the user using the message board must be an important and more intimate friend by the message leaving authority, thereby avoiding information flooding.

BRIEF DESCRIPTION OF DRAWINGS

[0047] Other features, objects and advantages of the present application will become more apparent upon reading of the detailed description of non-limiting embodiments

thereof, which made with reference to the following drawings.

[0048] FIG. 1 illustrates a flow diagram of a method for presenting message information, according to an embodiment of the present application;

5 [0049] FIG. 2 illustrates a flow diagram of a method for presenting message information, according to an embodiment of the present application;

[0050] FIG. 3 illustrates a flow diagram of a method for presenting message information, according to an embodiment of the present application;

[0051] FIG. 4 illustrates a flow diagram of a method for initiating a message according to an embodiment of the present application;

10 [0052] FIG. 5 illustrates a flow diagram of a method for reading a message according to an embodiment of the present application;

[0053] FIG. 6 illustrates a block diagram of a network equipment for presenting message information, according to an embodiment of the present application;

15 [0054] FIG. 7 illustrates a block diagram of a first user equipment for presenting message information, according to an embodiment of the present application;

[0055] FIG. 8 illustrates a block diagram of a second user equipment for presenting message information, according to an embodiment of the present application;

[0056] FIG. 9 illustrates an exemplary system that can be used to implement the various embodiments described in the present application;

20 [0057] The same or similar reference numbers in the drawings identify the same or similar elements.

DETAILED DESCRIPTION OF EMBODIMENT

25 [0058] The present application is described in further detail below with reference to the attached drawing figures.

[0059] In a typical configuration of the present application, the terminal, the equipment serving the network, and the trusted party each includes one or more processors (e.g., Central Processing Unit (CPU)), input/output interfaces, network interfaces, and memory.

30 [0060] The Memory may include forms of volatile Memory, Random Access Memory (RAM), and/or non-volatile Memory in a computer-readable medium, such as Read Only Memory (ROM) or Flash Memory. Memory is an example of a computer-readable

medium.

[0061] Computer-readable media, including both permanent and non-permanent, removable and non-removable media, may implement the information storage by any method or technology. The information may be computer readable instructions, data structures, modules of a program, or other data. Examples of computer storage media include, but are not limited to, Phase-Change Memory (PCM), Programmable Random Access Memory (PRAM), Static Random Access Memory (SRAM), Dynamic Random Access Memory (DRAM), other types of RAM, Read-Only Memory (ROM), Electrically Erasable Programmable Read-Only Memory (EEPROM), flash Memory or other Memory technologies, Compact Disc Read-Only Memory (CD-ROM), Digital Versatile Disks (DVD) or other optical storage, magnetic cassettes, magnetic tape storage or other magnetic storage equipment, or any other non-transmission medium, may be used to store information that may be accessed by the computing equipment.

[0062] The equipment referred to in the present application includes, but is not limited to, a user equipment, a network equipment, or an equipment formed by integrating a user equipment and a network equipment through a network. The user equipment includes, but is not limited to, any mobile electronic product capable of performing human-computer interaction with a user (e.g., human-computer interaction through a touch panel), such as a smart phone, a tablet computer, and the like, and the mobile electronic product may employ any operating system, such as an Android operating system, an iOS operating system, and the like. The network equipment includes an electronic equipment capable of automatically performing numerical calculation and information processing according to a preset or stored instruction, and its hardware includes, but is not limited to, a microprocessor, an Application Specific Integrated Circuit (ASIC), a Programmable Logic Equipment (PLD), a Field Programmable Gate Array (FPGA), a Digital Signal Processor (DSP), an embedded equipment, and the like. The network equipment includes but is not limited to a computer, a network host, a single network server, multiple network server sets, or a cloud of multiple servers; here, the cloud is composed of a large number of computers or network servers based on Cloud Computing , which is a kind of distributed computing, one virtual supercomputer consisting of a collection of loosely coupled computers. The network includes, but is not limited to, the internet, a wide area network, a metropolitan area network, a local area network, a VPN network, a wireless Ad Hoc network, etc. Preferably, the equipment may also be a program running on the

user equipment, the network equipment, or an equipment formed by integrating the user equipment and the network equipment, the touch terminal, or the network equipment and the touch terminal through a network.

[0063] Of course, those skilled in the art will understand that the above-described equipment is merely exemplary, and that other existing or future existing equipment, such as may be suitable for use with the present application, are intended to be included within the scope of the present application and are hereby incorporated by reference.

[0064] In the description of the present application, "a plurality" means two or more unless specifically defined otherwise.

10 [0065] Fig. 1 illustrates a flow diagram of a method for presenting message information according to an embodiment of the present application, the method includes step S11 and step S12. In step S11, the network equipment acquires message information input by the first user aiming at the second user in an instant messaging application; in step S12, the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, sends the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0066] In step S11, the network equipment acquires message information input by the first user aiming at the second user in an instant messaging application. In some embodiments, the second user is a friend of the first user. In some embodiments, the network equipment is a server to which an Instant Messaging (IM) application corresponds. In some embodiments, the first user equipment acquires the message information input by the first user in response to a message input operation executed by the first user for a second user in a message board of an instant messaging application, sends the message information to the network equipment, and the network equipment receives the message information. In some embodiments, a network equipment receives a session message sent by a first user equipment and input by a first user in a session page of a first user and a second user in an instant messaging application, determines whether the second user is online, and if not, takes the session message as message information input by the first user for the second user, otherwise, directly sends the message information as a common session message to the second user equipment, so that the second user can view the session message on the session page of the first user and the second user in the instant messaging application.

[0067] In step S12, the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, sends the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application. In some embodiments, the message leaving authority may be used only after being authorized by the other party, that is, not every friend has the right to leave a message to you, and you have not the right to leave a message to every friend. That is, the message leaving authority of the first user with respect to the second user may be used only after being authorized by the second user, and the first user may leave a message to the second user after being authorized. In some embodiments, the network equipment determines whether the first user currently has a message leaving authority about the second user, and if yes, sends the message to the second user equipment, and the second user may enter a message board of the instant messaging application to check the message information. In some embodiments, the message board provides a separate message portal in which the second user can only check the message information, but not on other pages of the instant messaging application (e.g., a session page between the first user and the second user). In some embodiments, the first user does not currently have a message leaving authority about the second user, and the message information may not be sent to the second user equipment, that is, the second user cannot check the message information in a message board of the instant messaging application, and in addition, corresponding reminding information may also be sent to the first user equipment to remind the first user that the first user does not currently have a corresponding message leaving authority, or the message information may also be sent to the second user equipment as a common session message, so that the second user can view the session message on a session page between the first user and the second user of the instant messaging application.

[0068] In some embodiments, the acquiring message information input by the first user aiming at the second user in an instant messaging application comprises: receiving message information sent by the first user equipment, wherein the first user equipment responding to a message input operation executed by the first user aiming at the second user in a message board of an instant messaging application, acquiring the message information input by the first user, and sending the message information to the network equipment. In some embodiments, a first user enters a message board of an instant messaging application, inputs the message information in the message board, selects a

sending object of the message information as a second user, and then sends the message information to a network equipment. In some embodiments, a first user enters a message board of an instant messaging application, at this time, user identification information (for example, a user name, a user avatar, and the like) of one or more friends of the first user is presented in the message board. When the first user selects a second user from the one or more friends, a message leaving page corresponding to the second user is entered, and the first user can input message information in the message leaving page and then send the message information to a network equipment. In some embodiments, the type of message information includes, but is not limited to, text, pictures, voice, video, location, files, and the like.

[0069] In some embodiments, the determining whether the first user has message leaving authority about the second user currently comprises: determining whether the second user is online, and if not, determining whether the first user has the message leaving authority of the second user currently. In some embodiments, after obtaining the message information input by the first user for the second user in the instant messaging application, the network equipment determines whether the second user is online first, and if not, continues to determine whether the first user currently has the message leaving authority about the second user, otherwise, returns corresponding prompt information to the first user equipment to prompt the first user that the message is failed to leave, or directly sends the message information to the second user equipment as a common session message, so that the second user can view the session message on the session page of the first user and the second user of the instant messaging application.

[0070] In some embodiments, the acquiring message information input by the first user aiming at the second user in an instant messaging application comprises: receiving a session message which is sent by the first user equipment and input by the first user in a session page of the first user and the second user in an instant messaging application; determining whether the second user is online, and if not, taking the session message as message information input by the first user aiming at the second user. In some embodiments, a first user inputs a session message in a session page of a first user and a second user in an instant messaging application, and then sends the session message to a network equipment. After receiving the session message, the network equipment determines whether the second user is online at present, if not, the session message is taken as a message information input by the first user for the second user, and if yes, the

session message is directly sent to the second user equipment, so that the second user can view the session message on the session page of the first user and the second user in the instant messaging application.

[0071] In some embodiments, the determining whether the second user is online, and if not, taking the session message as message information input by the first user aiming at the second user comprises: determining whether the second user is online, and if not, determining whether the session message meets the preset message leaving condition; and if yes, taking the session message as the message information input by the first user aiming at the second user. In some embodiments, it is determined whether the second user is currently online, and if not, it is continuously determined whether the session message satisfies a preset message leaving condition, and only if the session message satisfies the preset message leaving condition, the session message is used as message information input by the first user for the second user, where the preset message leaving condition may be that an emergency importance degree corresponding to the session message is greater than or equal to a preset threshold, or the preset message leaving condition may be that a relationship between the first user and the second user satisfies a preset condition.

[0072] In some embodiments, the determining whether the session message meets the preset message leaving condition comprises: determining whether the session message meets the preset message leaving condition according to the emergency importance degree corresponding to the session message. In some embodiments, whether the session message satisfies a preset message leaving condition may be determined according to whether the emergency importance degree corresponding to the session message is greater than or equal to a preset threshold, and if the emergency importance degree is greater than or equal to the preset threshold, it may be determined that the session message satisfies the preset message leaving condition, otherwise, it may be determined that the session message does not satisfy the preset message leaving condition. In some embodiments, the corresponding urgency importance degree may be determined by semantically identifying the message content of the session message. In some embodiments, the first user may set an emergency importance degree corresponding to the session message when sending the session message, and then send the session message and the emergency importance degree corresponding to the session message to the network equipment, and the network equipment may determine whether the session message satisfies a preset message condition directly according to whether the received

emergency importance degree is greater than or equal to a preset threshold.

[0073] In some embodiments, the determining whether the session message meets the preset message leaving condition comprises: determining whether the session message meets the preset message leaving condition according to the relationship information
5 between the first user and the second user. In some embodiments, the relationship information between the first user and the second user may be derived from personal user information (e.g., tag information) of the first user and/or personal user information (e.g., tag information) of the second user. In some embodiments, the relationship information between the first user and the second user may be obtained according to the remark
10 information of the first user to the second user and/or the remark information of the second user to the first user. In some embodiments, the relationship information between the first user and the second user may be obtained according to attribute information (e.g., group name, group advertisement, group remark, etc.) of at least one session group in which the first user and the second user are commonly located. In some embodiments, it
15 is determined whether the session message satisfies a preset message leaving condition according to whether the relationship information between the first user and the second user satisfies a preset relationship condition, for example, the preset relationship condition includes at least one of the relationship between superiors and subordinates, the relationship between Party A and Party B, and kinship. In some embodiments, the degree
20 of affinity between the first user and the second user may be determined according to historical private chat session conditions (e.g., private chat frequency, last private chat time, etc.) between the first user and the second user and/or historical group chat session conditions in a session group in which the first user and the second user are commonly located, and then whether the session message satisfies a preset message leaving
25 condition may be determined according to whether the degree of affinity is greater than or equal to a preset threshold. And if the degree of affinity is greater than or equal to the predetermined threshold, the session message may be determined to satisfy the preset message leaving condition, otherwise, the session message may be determined not to satisfy the preset message leaving condition.

[0074] In some embodiments, the step S12 comprises: the network equipment determining whether the first user has message leaving authority about the second user currently, and if yes, determining whether the number of message leaving times of the second user in the preset time range is smaller than the preset number threshold; and if

yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application. In some embodiments, the number of message leaving times by a single user in a predetermined time range (for example, every day) is limited, and messages cannot
5 be left without limitation, or the number of message leaving times by a single user to each user in a predetermined time range is limited, and messages cannot be left without limitation for a user, so that the user can cherish the right to leave the messages, the corresponding ceremonial feeling is improved, the number of the messages is limited, and important information cannot be omitted. In some embodiments, the network equipment
10 determines whether the first user currently has a message leaving authority about the second user, and if yes, then continuously determines whether the number of message leaving times of the second user in a preset time range is smaller than a preset number threshold, and if yes, sends the message information to the second user equipment, where all users may share the number of message leaving times to leave message to the second
15 user, or each user has its own number of message leaving times to leave message to the second user.

[0075] In some embodiments, the method further comprises: if the number of the messages left by the second user in the preset time range is greater than or equal to the preset number threshold, sending the message information to the second user equipment
20 as a common session message, so that the second user can check the message information in the session page of the first user and the second user of the instant messaging application. In some embodiments, if the number of times that the second user is left a message in the preset time range is greater than or equal to the preset number threshold, the network equipment sends the message information to the second user equipment as a
25 common session message, so that the second user can view the message information on the session page of the first user and the second user of the instant messaging application, but cannot view the message on the message board of the instant messaging application.

[0076] In some embodiments, the method further comprises: if the first user does not have the message leaving authority about the second user, sending a message opening
30 request of the first user about the second user to the second user equipment; receiving the agreement indication information of the second user about the message opening request returned by the second user equipment, opening the message permission. In some embodiments, if the first user does not currently have a message leaving authority about

the second user, the network equipment may automatically generate a message opening request of the first user about the second user and send the message opening request to the second user equipment, and if the second user confirms that the message opening request is granted, the network equipment may open the message permission, or the network equipment may return corresponding prompt information to the first user equipment for presentation, so as to prompt that the first user does not currently have the message leaving authority about the second user, and then in response to an opening trigger operation executed by the first user for the second user, a message opening request of the first user about the second user is generated and sent to the second user equipment via the network equipment, and if the second user confirms that the message opening request is granted, the network equipment may open the message permission.

[0077] Fig. 2 illustrates a flow diagram of a method for presenting message information according to an embodiment of the present application, which includes step S21 and step S22. In step S21, the first user equipment responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user; in step S22, the first user equipment sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[0078] In step S21, the first user equipment responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user. In some embodiments, a first user enters a message board of an instant messaging application, inputs the message information in the message board, selects a sending object of the message information as a second user, and then sends the message information to a network equipment.

[0079] In step S22, the first user equipment sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application. In some embodiments, after receiving the message information sent by the first user equipment,

the network equipment directly determines whether the first user currently has the message leaving authority about the second user, or determines whether the second user is online first, and if not online, then continuously determines whether the first user currently has the message leaving authority about the second user, and if online, the network equipment returns corresponding prompt information to the first user equipment to prompt the first user that the message is failed to leave, or directly sends the message information to the second user equipment as a common session message, so that the second user can view the session message on the session page of the first user and the second user of the instant messaging application. In some embodiments, the network equipment determines whether the first user currently has a message leaving authority about the second user, and if yes, sends the message information to the second user equipment, and the second user may enter a message board of the instant messaging application to view the message information. In some embodiments, the message board provides a separate message portal in which the second user can only view the message information, but not on other pages of the instant messaging application (e.g., a session page between the first user and the second user). In some embodiments, the first user does not currently have a message leaving authority about the second user, and the message information may not be sent to the second user equipment, that is, the second user cannot view the message information in a message board of the instant messaging application, and in addition, corresponding reminding information may also be sent to the first user equipment to remind the first user that the first user does not currently have a corresponding message leaving authority, or the message information may also be sent to the second user equipment as a common session message, so that the second user can view the session message on a session page between the first user and the second user of the instant messaging application.

[0080] In some embodiments, the step S21 comprises: the first user equipment responding to the message board of the instant messaging application entered by the first user, presenting identification information of one or more friends of the first user in the message board; responding to the first user to select a second user from the one or more friends, entering a message leaving page corresponding to the second user, responding to the message input operation executed by the first user in the message leaving page, acquiring the message information input by the first user. In some embodiments, a first user enters a message board of an instant messaging application, at this time, user

identification information (for example, a user name, a user avatar, and the like) of one or more friends of the first user is presented in the message board, the first user selects a second user from the one or more friends, enters a message leaving page corresponding to the second user, and the first user can input message information in the message leaving
5 page and then send the message information to a network equipment.

[0081] In some embodiments, the step S21 comprises: the first user equipment responding to a session message input operation executed by the first user in the session page of the first user and the second user in the instant messaging application, acquiring the session message input by the first user; responding to the message type of the session
10 message set as the message leaving type by the first user, taking the session message as message information. In some embodiments, a first user inputs a session message in a session page of a first user and a second user in an instant messaging application, and sets a message type of the session message as a message leaving type, at this time, a first user equipment may use the session message as message information input by the first user for
15 the second user, and send the message information to a network equipment.

[0082] In some embodiments, the responding to the message type of the session message set as the message leaving type by the first user, taking the session message as message information comprises: responding to message sending triggering operation executed by the first user aiming at the session message, and if the second user is not
20 online currently, presenting message type setting prompt information corresponding to the session message; responding to the first user setting the message type of the session message as the message leaving type according to the message type setting prompt information, taking the session message as message information. In some embodiments, after the first user inputs a session message in an input box of the session page, and
25 performs a message sending triggering operation (for example, clicking a "send" button) for the session message, at this time, the first user equipment may obtain an online status of the second user from the network equipment, or determine whether the second user is online currently according to an online status of the second user newly synchronized to the first user equipment by the network equipment. If the second user is online, the first
30 user equipment directly sends the session message to the second user equipment or sends the session message to the second user equipment via the network equipment, if the second user is not online, the message type setting prompt information corresponding to the session message may be presented on the session page, in response to that the first

user sets the message type of the session message as a message leaving type based on the message type setting prompt information, the first user equipment may use the session message as message information input by the first user for the second user, and sends the message information to the network equipment.

5 [0083] In some embodiments, the responding to message sending triggering operation executed by the first user aiming at the session message, and if the second user is not online currently, presenting message type setting prompt information corresponding to the session message comprises: responding to message sending triggering operation executed by the first user aiming at the session message, if the second user is not online currently
10 and the session message meets the preset message leaving condition, presenting message type setting prompt information corresponding to the session message. In some embodiments, in response to the message sending triggering operation, it may be determined whether the second user is online at present, if not, it may be determined whether the session message satisfies a preset message leaving condition, and if yes, a
15 message type setting prompt information corresponding to the session message may be presented on the session page, where the preset message leaving condition is described in detail in the foregoing text and is not described herein again.

[0084] In some embodiments, the method further comprises: if the first user does not have the message leaving authority about the second user currently, responding to a
20 message opening triggering operation executed by the first user aiming at the second user, generating a message opening request of the first user about the second user; sending the message opening request to the network equipment, wherein the network equipment sends the message opening request to the second user equipment, receives the agreement indication information of the second user about the message opening request returned by
25 the second user equipment, opens the message permission. In some embodiments, if the first user does not currently have the message leaving authority about the second user, the network equipment returns corresponding prompt information to the first user equipment for presentation so as to prompt that the first user does not currently have the message leaving authority about the second user, then, in response to a message opening triggering
30 operation executed by the first user for the second user, a message opening request of the first user about the second user is generated and sent to the second user equipment through the network equipment, and if the second user confirms that the message opening request is granted, the network equipment opens the message permission.

[0085] Fig. 3 illustrates a flow diagram of a method for presenting message information according to an embodiment of the present application, the method including step S31 and step S32. In step S31, the second user equipment receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment; in step S32, the second user equipment presenting the message information in a message board of the instant messaging application.

[0086] In step S31, the second user equipment receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment. In some embodiments, the first user equipment acquires the message information input by the first user in response to a message input operation executed by the first user for a second user in a message board of an instant messaging application, sends the message information to the network equipment, and the network equipment receives the message information. In some embodiments, a network equipment receives a session message sent by a first user equipment and input by a first user in a session page of a first user and a second user in an instant messaging application, determines whether the second user is online, and if not, takes the session message as message information input by the first user for the second user, otherwise, directly sends the message information as a common session message to the second user equipment, so that the second user can view the session message on the session page of the first user and the second user in the instant messaging application. In some embodiments, after receiving the message information sent by the first user equipment, the network equipment directly determines whether the first user currently has the message leaving authority about the second user, or determines whether the second user is online first, and if not online, continuously determines whether the first user currently has the message leaving authority about the second user, otherwise, returns corresponding prompt information to the first user equipment to prompt the first user that the message is failed to leave, or directly sends the message information as a common session message to the second user equipment, so that the second user can view the

session message on the session page of the first user and the second user of the instant messaging application. In some embodiments, the network equipment determines whether the first user currently has a message leaving authority about the second user, and if yes, sends the message to the second user equipment. In some embodiments, the first user
5 does not currently have a message leaving authority about the second user, and the message information may not be sent to the second user equipment, that is, the second user cannot view the message information in a message board of the instant messaging application, and in addition, corresponding reminding information may also be sent to the first user equipment to remind the first user that the first user does not currently have a
10 corresponding message leaving authority, or the message information may also be sent to the second user equipment as a common session message, so that the second user can view the session message on a session page between the first user and the second user of the instant messaging application.

[0087] In step S32, the second user equipment presenting the message information in a
15 message board of the instant messaging application. In some embodiments, the second user enters a message board of the instant messaging application, and may view the message information directly in the message board, and at this time, user identification information (e.g., a user name, a user avatar, etc.) of the first user is also presented in a vicinity of the message information in the message board. In some embodiments, the
20 second user can transfer the important common session messages in the session page of the second user and the first user from the session page to the message board, so that management is facilitated, and safety is also improved.

[0088] In some embodiments, the presenting the message information in a message board of the instant messaging application comprises: responding to the message board of
25 the instant messaging application entered by the second user, presenting identification information of one or more friends of the second user in the message board; responding to the second user selecting the first user from the one or more friends, entering a message leaving page corresponding to the first user, presenting the message information in the message leaving page. In some embodiments, the second user enters a message board of
30 the instant messaging application, at this time, user identification information (for example, a user name, a user avatar, and the like) of one or more friends of the second user is presented in the message board, the second user selects the first user from the one or more friends, the second user enters a message leaving page corresponding to the first

user, and the second user can view the message information in the message leaving page.

[0089] In some embodiments, the method further comprises: the second user equipment for each friend in the one or more friends, if the friend has sent message information to the second user and the message information is not read by the second user, presents
5 corresponding new message prompt information in a region near the identification information of the friend. In some embodiments, the second user enters a message board of the instant messaging application, at this time, user identification information (for example, a user name, a user avatar, or the like) of one or more friends of the second user is presented in the message board, and for each friend of the one or more friends, if the
10 friend sends message information to the second user and the second user has not read the message information, corresponding new message prompt information is presented in an area near the user identification information of the friend in the message board, for example, the new message prompt information may be a red dot prompt, or the new message prompt information includes the number of message information that is sent to
15 the second user by the friend and that has not been read by the second user, for example, the new message prompt information may also be a digital prompt.

[0090] In some embodiments, the presenting the message information in a message board of the instant messaging application comprises: responding to message board access triggering operation executed by the second user in the instant messaging
20 application, performing identity authentication on the second user; if the second user passes the identity authentication, entering the message board of the instant messaging application, presenting the message information in the message board. In some embodiments, the message board may provide a lock mechanism, and the second user may set a lock for the message board of the second user to avoid leakage of important
25 messages to others, and when the second user performs a message board access trigger operation in the instant messaging application, the second user may perform identity verification (for example, password verification, face verification, fingerprint verification, and the like) on the second user, and only when the second user passes the identity verification, the second user may enter the message board, and corresponding message
30 information is presented in the message board.

[0091] In some embodiments, the method further comprises: if the first user does not have the message leaving authority about the second user currently, receiving a message opening request of the first user about the second user, which is sent by the network

equipment; responding to the confirmation operation executed by the second user aiming at the message opening request, returning corresponding agreement indication information to the network equipment so as to enable the network equipment to open the message permission. In some embodiments, if the first user does not currently have a message leaving authority about the second user, the network equipment may automatically generate a message opening request of the first user about the second user and send the message opening request to the second user equipment, and if the second user confirms that the message opening request is granted, the network equipment may open the message permission, or the network equipment may return corresponding prompt information to the first user equipment for presentation, so as to prompt that the first user does not currently have the message leaving authority about the second user, and then in response to an opening trigger operation executed by the first user for the second user, a message opening request of the first user about the second user is generated and sent to the second user equipment via the network equipment, and if the second user confirms that the message opening request is granted, the network equipment may open the message permission.

[0092] In some embodiments, the method further comprises: the second user equipment presenting the message information in the session page of the first user and the second user. In some embodiments, the second user equipment may present the message information in a session page between the first user and the second user in addition to presenting the message information in the message board, for example, the message information may be presented in a session information list area of the session page in a manner of presenting a normal session message, or the message information may be presented in another area of the session page other than the session information list area, so as to distinguish the message information from the normal session message.

[0093] In some embodiments, the presenting the message information in the session page of the first user and the second user comprises: presenting the message information in a session page of the first user and the second user according to a presentation mode of a common session message; presenting corresponding message identification information in the area near the message information. In some embodiments, the message information is presented in a session information list area of a session page between the first user and the second user according to a presentation manner of a common session message, and the message information is presented in the session page together with the common

session message between the first user and the second user in the session information list area according to a corresponding receiving time or sending time, wherein corresponding message identification information is presented in a region near the message information in the session information list area for identifying that the message information is a message information and is not a common session message, for example, the message identification information may be a message-style icon to distinguish the message information from the common session message.

[0094] In some embodiments, the method further comprises: the second user equipment responding to the access triggering operation executed by the second user for the message information, entering a message leaving page corresponding to the first user in the message board from the session page. In some embodiments, in response to an access trigger operation (for example, a click operation) performed by the second user for the message information in the session page, the instant messaging application jumps from the session page to the message page corresponding to the first user, and presents the message information in the message page, and other message information sent by the first user to the second user.

[0095] Fig. 4 illustrates a flow diagram of a method for initiating a message according to an embodiment of the present application.

[0096] As shown in Fig. 4, the user enters a message board, selects a friend, enters a message page, inputs a message (text/voice/...), selects sending, and the server determines whether the other side user allows the message, and returns corresponding prompt information if the other side user does not allow the message, and guides the sending of opening message application; and if the message is allowed, sending the message to the target user.

[0097] FIG. 5 illustrates a flow diagram of a method for reading a message according to an embodiment of the present application.

[0098] As shown in Fig. 5, the user enters the message board, selects a friend (the new message has a red dot or a digital prompt), checks the message information. The user can select to collect the message information after reading, enter the present application list, check the present application information of the opening message board, execute the operation of agreeing/refusing, and exit the message board.

[0099] Fig. 6 illustrates a block diagram of a network equipment for presenting message information according to an embodiment of the present application, the equipment

comprises one one module 11 and one two module 12. One one module 11, used for acquiring message information input by the first user aiming at the second user in an instant messaging application; one two module 12, used for determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[00100] One one module 11, used for acquiring message information input by the first user aiming at the second user in an instant messaging application. In some embodiments, the second user is a friend of the first user. In some embodiments, the network equipment is a server to which an Instant Messaging (IM) application corresponds. In some embodiments, the first user equipment acquires the message information input by the first user in response to a message input operation executed by the first user for a second user in a message board of an instant messaging application, sends the message information to the network equipment, and the network equipment receives the message information. In some embodiments, a network equipment receives a session message sent by a first user equipment and input by a first user in a session page of a first user and a second user in an instant messaging application, determines whether the second user is online, and if not, takes the session message as message information input by the first user for the second user, otherwise, directly sends the message information as a common session message to the second user equipment, so that the second user can view the session message on the session page of the first user and the second user in the instant messaging application.

[00101] One two module 12, used for determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application. In some embodiments, the message leaving authority may be used only after being authorized by the other party, that is, not every friend has the right to leave a message to you, and you have not the right to leave a message to every friend. That is, the message leaving authority of the first user with respect to the second user may be used only after being authorized by the second user, and the first user may leave a message to the second user after being authorized. In some embodiments, the network equipment determines whether the first user currently has a message leaving authority about the second user, and if yes, sends the message to the second user equipment, and the second user may enter a

message board of the instant messaging application to check the message information. In some embodiments, the message board provides a separate message portal in which the second user can only check the message information, but not on other pages of the instant messaging application (e.g., a session page between the first user and the second user). In some embodiments, the first user does not currently have a message leaving authority about the second user, and the message information may not be sent to the second user equipment, that is, the second user cannot check the message information in a message board of the instant messaging application, and in addition, corresponding reminding information may also be sent to the first user equipment to remind the first user that the first user does not currently have a corresponding message leaving authority, or the message information may also be sent to the second user equipment as a common session message, so that the second user can view the session message on a session page between the first user and the second user of the instant messaging application.

[00102] In some embodiments, the acquiring message information input by the first user aiming at the second user in an instant messaging application comprises: receiving message information sent by the first user equipment, wherein the first user equipment responding to a message input operation executed by the first user aiming at the second user in a message board of an instant messaging application, acquiring the message information input by the first user, and sending the message information to the network equipment. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00103] In some embodiments, the determining whether the first user has message leaving authority about the second user currently comprises: determining whether the second user is online, and if not, determining whether the first user has the message leaving authority of the second user currently. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00104] In some embodiments, the acquiring message information input by the first user aiming at the second user in an instant messaging application comprises: receiving a session message which is sent by the first user equipment and input by the first user in a session page of the first user and the second user in an instant messaging application; determining whether the second user is online, and if not, taking the session message as

message information input by the first user aiming at the second user. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00105] In some embodiments, the determining whether the second user is online, and if not, taking the session message as message information input by the first user aiming at the second user comprises: determining whether the second user is online, and if not, determining whether the session message meets the preset message leaving condition; and if yes, taking the session message as the message information input by the first user aiming at the second user. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00106] In some embodiments, the determining whether the session message meets the preset message leaving condition comprises: determining whether the session message meets the preset message leaving condition according to the emergency importance degree corresponding to the session message. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00107] In some embodiments, the determining whether the session message meets the preset message leaving condition comprises: determining whether the session message meets the preset message leaving condition according to the relationship information between the first user and the second user. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00108] In some embodiments, the one two module is used for: determining whether the first user has message leaving authority about the second user currently, and if yes, determining whether the number of message leaving times of the second user in the preset time range is smaller than the preset number threshold; and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00109] In some embodiments, the equipment is also used for: if the number of the message leaving to the second user in the preset time range is greater than or equal to the

preset number threshold, sending the message information to the second user equipment as a common session message, so that the second user can check the message information in the session page of the first user and the second user of the instant messaging application. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00110] In some embodiments, the equipment is also used for: if the first user does not have the message leaving authority about the second user, sending a message opening request of the first user about the second user to the second user equipment; receiving the agreement indication information of the second user about the message opening request returned by the second user equipment, opening the message permission. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 1, and thus are not described again, and are included herein by reference.

[00111] Fig. 7 illustrates a block diagram of a first user equipment for presenting message information according to an embodiment of the present application, the first user equipment comprises two one module 21 and two two module 22. Two one module 21, used for responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user; two two module 22, used for sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

[00112] Two one module 21, used for responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user. In some embodiments, a first user enters a message board of an instant messaging application, inputs the message information in the message board, selects a sending object of the message information as a second user, and then sends the message information to a network equipment.

[00113] Two two module 22, used for sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the

message information in a message board of the instant messaging application. In some embodiments, after receiving the message information sent by the first user equipment, the network equipment directly determines whether the first user currently has the message leaving authority about the second user, or determines whether the second user is
5 online first, and if not online, then continuously determines whether the first user currently has the message leaving authority about the second user, and if online, the network equipment returns corresponding prompt information to the first user equipment to prompt the first user that the message is failed to leave, or directly sends the message information to the second user equipment as a common session message, so that the
10 second user can view the session message on the session page of the first user and the second user of the instant messaging application. In some embodiments, the network equipment determines whether the first user currently has a message leaving authority about the second user, and if yes, sends the message information to the second user equipment, and the second user may enter a message board of the instant messaging
15 application to view the message information. In some embodiments, the message board provides a separate message portal in which the second user can only view the message information, but not on other pages of the instant messaging application (e.g., a session page between the first user and the second user). In some embodiments, the first user does not currently have a message leaving authority about the second user, and the message
20 information may not be sent to the second user equipment, that is, the second user cannot view the message information in a message board of the instant messaging application, and in addition, corresponding reminding information may also be sent to the first user equipment to remind the first user that the first user does not currently have a corresponding message leaving authority, or the message information may also be sent to
25 the second user equipment as a common session message, so that the second user can view the session message on a session page between the first user and the second user of the instant messaging application.

[00114] In some embodiments, the two one module is used for: responding to the message board of the instant messaging application entered by the first user, presenting
30 identification information of one or more friends of the first user in the message board; responding to the first user to select a second user from the one or more friends, entering a message leaving page corresponding to the second user, responding to the message input operation executed by the first user in the message leaving page, acquiring the

message information input by the first user. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 2, and thus are not described again, and are included herein by reference.

5 [00115] In some embodiments, the two one module is used for: responding to a session message input operation executed by the first user in the session page of the first user and the second user in the instant messaging application, acquiring the session message input by the first user; responding to the message type of the session message set as the message leaving type by the first user, taking the session message as message information. Here, the related operations are the same as or similar to those of the embodiment shown
10 in fig. 2, and thus are not described again, and are included herein by reference.

[00116] In some embodiments, the responding to the message type of the session message set as the message leaving type by the first user, taking the session message as message information comprises: responding to message sending triggering operation executed by the first user aiming at the session message, and if the second user is not
15 online currently, presenting message type setting prompt information corresponding to the session message; responding to the first user setting the message type of the session message as the message leaving type according to the message type setting prompt information, taking the session message as message information. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 2, and thus
20 are not described again, and are included herein by reference.

[00117] In some embodiments, the responding to message sending triggering operation executed by the first user aiming at the session message, and if the second user is not online currently, presenting message type setting prompt information corresponding to the session message comprises: responding to message sending triggering operation executed
25 by the first user aiming at the session message, if the second user is not on line currently and the session message meets the preset message leaving condition, presenting message type setting prompt information corresponding to the session message. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 2, and thus are not described again, and are included herein by reference.

30 [00118] In some embodiments, the equipment is also used for: if the first user does not have the message leaving authority about the second user currently, responding to a message opening triggering operation executed by the first user aiming at the second user, generating a message opening request of the first user about the second user; sending the

message opening request to the network equipment, wherein the network equipment sends the message opening request to the second user equipment, receives the agreement indication information of the second user about the message opening request returned by the second user equipment, opens the message permission. Here, the related operations
5 are the same as or similar to those of the embodiment shown in fig. 2, and thus are not described again, and are included herein by reference.

[00119] Fig. 8 illustrates a block diagram of a second user equipment for presenting message information according to an embodiment of the present application, the second user equipment comprises three one module 31 and three two module 32. Three one
10 module 31, used for receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment; three two module 32, used for presenting the message
15 information in a message board of the instant messaging application.

[00120] Three one module 31, used for receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message
20 information is sent to the second user equipment. In some embodiments, the first user equipment acquires the message information input by the first user in response to a message input operation executed by the first user for a second user in a message board of an instant messaging application, sends the message information to the network equipment, and the network equipment receives the message information. In some
25 embodiments, a network equipment receives a session message sent by a first user equipment and input by a first user in a session page of a first user and a second user in an instant messaging application, determines whether the second user is online, and if not, takes the session message as message information input by the first user for the second user, otherwise, directly sends the message information as a common session message to
30 the second user equipment, so that the second user can view the session message on the session page of the first user and the second user in the instant messaging application. In some embodiments, after receiving the message information sent by the first user equipment, the network equipment directly determines whether the first user currently has

the message leaving authority about the second user, or determines whether the second user is online first, and if not online, continuously determines whether the first user currently has the message leaving authority about the second user, otherwise, returns corresponding prompt information to the first user equipment to prompt the first user that the message is failed to leave, or directly sends the message information as a common session message to the second user equipment, so that the second user can view the session message on the session page of the first user and the second user of the instant messaging application. In some embodiments, the network equipment determines whether the first user currently has a message leaving authority about the second user, and if yes, sends the message to the second user equipment. In some embodiments, the first user does not currently have a message leaving authority about the second user, and the message information may not be sent to the second user equipment, that is, the second user cannot view the message information in a message board of the instant messaging application, and in addition, corresponding reminding information may also be sent to the first user equipment to remind the first user that the first user does not currently have a corresponding message leaving authority, or the message information may also be sent to the second user equipment as a common session message, so that the second user can view the session message on a session page between the first user and the second user of the instant messaging application.

[00121] Three two module 32, used for presenting the message information in a message board of the instant messaging application. In some embodiments, the second user enters a message board of the instant messaging application, and may view the message information directly in the message board, and at this time, user identification information (e.g., a user name, a user avatar, etc.) of the first user is also presented in a vicinity of the message information in the message board. In some embodiments, the second user can transfer the important common session messages in the session page of the second user and the first user from the session page to the message board, so that management is facilitated, and safety is also improved.

[00122] In some embodiments, the presenting the message information in a message board of the instant messaging application comprises: responding to the message board of an instant messaging application entered by the first user, presenting identification information of one or more friends of the first user in the message board; responding to the first user selecting the first user from the one or more friends, entering a message

leaving page corresponding to the first user, presenting the message information in the message leaving page. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

5 [00123] In some embodiments, the method further comprises: for each friend in the one or more friends, if the friend has sent message information to the second user and the message information is not read by the second user, the second user equipment presenting corresponding new message prompt information in a region near the identification information of the friend. Here, the related operations are the same as or similar to those
10 of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

[00124] In some embodiments, the presenting the message information in a message board of the instant messaging application comprises: responding to message board access triggering operation executed by the second user in the instant messaging
15 application, performing identity authentication on the second user; if the second user passes the identity authentication, entering the message board of the instant messaging application, presenting the message information in the message board. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

20 [00125] In some embodiments, the equipment is also used for: if the first user does not have the message leaving authority about the second user currently, receiving a message opening request of the first user about the second user, which is sent by the network equipment; responding to the confirmation operation executed by the second user aiming at the message opening request, returning corresponding agreement indication
25 information to the network equipment so as to enable the network equipment to open the message permission. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

[00126] In some embodiments, the equipment is also used for: presenting the message
30 information in the session page of the first user and the second user. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

[00127] In some embodiments, the presenting the message information in the session

page of the first user and the second user comprises: presenting the message information in a session page of the first user and the second user according to a presentation mode of a common session message; presenting corresponding message identification information in the area near the message information. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

[00128] In some embodiments, the equipment is also used for: responding to the access triggering operation executed by the second user for the message information, entering a message leaving page corresponding to the first user in the message board from the session page. Here, the related operations are the same as or similar to those of the embodiment shown in fig. 3, and thus are not described again, and are included herein by reference.

[00129] In addition to the methods and equipments described in the embodiments above, the present application also provides a computer readable storage medium storing computer code that, when executed, performs the method as described in any of the previous claims.

[00130] The present application also provides a computer program product for performing a method as in any one of the preceding claims when executed by a computer equipment.

[00131] The present application also provides a computer equipment, comprising:

[00132] one or more processors;

[00133] a memory for storing one or more computer programs;

[00134] the one or more computer programs, when executed by the one or more processors, cause the one or more processors to implement the method as recited in any preceding claim.

[00135] FIG. 9 illustrates an exemplary system that can be used to implement the various embodiments described in the present application;

[00136] In some embodiments, as shown in FIG. 9, the system 300 can be implemented as any of the equipments in each of the described embodiments. In some embodiments, system 300 may include one or more computer-readable media (e.g., system memory or NVM/storage 320) having instructions and one or more processors (e.g., processor(s) 305) coupled with the one or more computer-readable media and configured to execute the instructions to implement modules to perform the actions described in the present

application.

[00137] For an embodiment, system control module 310 may include any suitable interface controllers to provide any suitable interface to at least one of processor(s) 305 and/or to any suitable equipment or component in communication with system control module 310.

[00138] The system control module 310 may include a memory controller module 330 to provide an interface to the system memory 315. Memory controller module 330 may be a hardware module, a software module, and/or a firmware module.

[00139] System memory 315 may be used to load and store data and/or instructions for system 300, for example. For one embodiment, system memory 315 may include any suitable volatile memory, such as suitable DRAM. In some embodiments, the system memory 315 may comprise a double data rate type four synchronous dynamic random access memory (DDR4 SDRAM).

[00140] For an embodiment, system control module 310 may include one or more input/output (I/O) controllers to provide interfaces to NVM/storage 320 and communication interface(s) 325.

[00141] For example, NVM/storage 320 may be used to store data and/or instructions. NVM/storage 320 may include any suitable non-volatile memory (e.g., flash memory) and/or may include any suitable non-volatile storage equipment(s) (e.g., one or more hard disk drive(s) (HDD (s)), one or more Compact Disc (CD) drive(s), and/or one or more Digital Versatile Disc (DVD) drive (s)).

[00142] NVM/storage 320 may include storage resources that are physically part of the equipment on which system 300 is installed or may be accessed by the equipment and not necessarily part of the equipment. For example, NVM/storage 320 may be accessible over a network via communication interface(s) 325.

[00143] Communication interface(s) 325 may provide an interface for system 300 to communicate over one or more networks and/or with any other suitable equipment. System 300 may wirelessly communicate with one or more components of a wireless network according to any of one or more wireless network standards and/or protocols.

[00144] For an embodiment, at least one of the processor(s) 305 may be packaged together with logic for one or more controller(s) of the system control module 310, such as memory controller module 330. For one embodiment, at least one of the processor(s) 305 may be packaged together with logic for one or more controllers of the system

control module 310 to form a System In Package (SiP). For one embodiment, at least one of the processor(s) 305 may be integrated on the same die with logic for one or more controller(s) of the system control module 310. For one embodiment, at least one of the processor(s) 305 may be integrated on the same die with logic for one or more controller(s) of the system control module 310 to form a system on chip (SoC).

[00145] In various embodiments, system 300 may be, but is not limited to being: a server, a workstation, a desktop computing equipment, or a mobile computing equipment (e.g., a laptop computing equipment, a handheld computing equipment, a tablet, a netbook, etc.). In various embodiments, system 300 may have more or fewer components and/or different architectures. For example, in some embodiments, system 300 includes one or more cameras, a keyboard, a Liquid Crystal Display (LCD) screen (including a touch screen display), a non-volatile memory port, multiple antennas, a graphics chip, an Application Specific Integrated Circuit (ASIC), and speakers.

[00146] In addition to the methods and equipment described in the embodiments above, the present application also provides a computer readable storage medium storing computer code that, when executed, performs the method as described in any of the previous claims.

[00147] The present application also provides a computer program product for performing a method as in any one of the preceding claims when executed by a computer equipment.

[00148] The present application also provides a computer equipment, comprise:

[00149] one or more processors;

[00150] a memory for storing one or more computer programs;

[00151] the one or more computer programs, when executed by the one or more processors, cause the one or more processors to implement the method as recited in any preceding claim.

[00152] It should be noted that the present application may be implemented in software and/or in a combination of software and hardware, for example, as an Application Specific Integrated Circuit (ASIC), a general purpose computer or any other similar hardware equipment. In one embodiment, the software program of the present application may be executed by a processor to implement the steps or functions described above. Likewise, the software programs (including associated data structures) of the present application can be stored in a computer readable recording medium, such as RAM

memory, magnetic or optical drive or diskette and the like. Further, some of the steps or functions of the present application may be implemented in hardware, for example, as circuitry that cooperates with the processor to perform various steps or functions.

[00153] Furthermore, parts of the present application may be applied as a computer program product, e.g. computer program instructions, which, when executed by a computer, may invoke or provide the method and/or solution according to the present application by operation of the computer. Those skilled in the art will appreciate that the forms of computer program instructions that reside on a computer-readable medium include, but are not limited to, source files, executable files, installation package files, and the like, and that the manner in which the computer program instructions are executed by a computer includes, but is not limited to: the computer directly executes the instruction, or the computer compiles the instruction and then executes the corresponding compiled program, or the computer reads and executes the instruction, or the computer reads and installs the instruction and then executes the corresponding installed program. In this regard, computer readable media can be any available computer readable storage media or communication media that can be accessed by a computer.

[00154] Communication media includes media whereby communication signals, including, for example, computer readable instructions, data structures, program modules, or other data, are transmitted from one system to another. Communication media may include conductive transmission media such as cables and wires (e.g., fiber optics, coaxial, etc.) and wireless (non-conductive transmission) media capable of propagating energy waves, such as acoustic, electromagnetic, RF, microwave, and infrared. Computer readable instructions, data structures, program modules or other data may be embodied in a modulated data signal, such as a carrier wave or similar mechanism that is embodied in a wireless medium, such as part of spread-spectrum techniques, for example. The term "modulated data signal" means a signal that has one or more of its characteristics set or changed in such a manner as to encode information in the signal. The modulation may be analog, digital, or hybrid modulation techniques.

[00155] By way of example, and not limitation, computer-readable storage media may include volatile and nonvolatile, removable and non-removable media implemented in any method or technology for storage of information such as computer-readable instructions, data structures, program modules or other data. For example, computer-readable storage media include, but are not limited to, volatile memory such as

random access memory (RAM, DRAM, SRAM); and non-volatile memory such as flash memory, various read-only memories (ROM, PROM, EPROM, EEPROM), magnetic and ferromagnetic/ferroelectric memories (MRAM, FeRAM); and magnetic and optical storage equipments (hard disk, magnetic tape, CD, DVD); or other now known media or
5 later developed that are capable of storing computer-readable information/data for use by a computer system.

[00156] An embodiment according to the present application comprises an apparatus, the apparatus comprises a memory for storing computer program instructions and a processor for executing the program instructions, wherein the computer program instructions, when
10 executed by the processor, trigger the apparatus to perform a method and/or solution according to embodiments of the present application as described above.

[00157] It will be evident to those skilled in the art that the present application is not limited to the details of the foregoing illustrative embodiments, and that the present application may be embodied in other specific forms without departing from the spirit or
15 essential attributes thereof. The present embodiments are therefore to be considered in all respects as illustrative and not restrictive, the scope of the present application being indicated by the appended claims rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claims are therefore intended to be embraced therein. Any reference sign in a claim should not be construed as
20 limiting the claim concerned. Furthermore, it will be obvious that the term "comprise" does not exclude other elements or steps, and the singular does not exclude the plural. A plurality of units or apparatus recited in the apparatus claims may also be implemented by one unit or apparatus in software or hardware. The terms first, second, etc. are used to denote names, but not to denote any particular order.

25

CLAIMS

1. A method for presenting message information, applied to network equipment, wherein the method comprises:

5 acquiring message information input by the first user aiming at the second user in an instant messaging application;

 determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the
10 instant messaging application.

2. The method according to claim 1, wherein the acquiring message information input by the first user aiming at the second user in an instant messaging application comprises:

15 receiving message information sent by the first user equipment, wherein the first user equipment responding to a message input operation executed by the first user aiming at the second user in a message board of an instant messaging application, acquiring the message information input by the first user, and sending the message information to the network equipment.

20

3. The method according to claim 1 or 2, wherein the determining whether the first user has message leaving authority about the second user currently comprises:

 determining whether the second user is online, and if not, determining whether the first user has the message leaving authority about the second user currently.

25

4. The method according to claim 1, wherein the acquiring message information input by the first user aiming at the second user in an instant messaging application comprises:

 receiving a session message which is sent by the first user equipment and input by
30 the first user in a session page of the first user and the second user in an instant messaging application;

 determining whether the second user is online, and if not, taking the session message

as message information input by the first user aiming at the second user.

5. The method according to claim 4, wherein the determining whether the second user is online, and if not, taking the session message as message information input by the first user aiming at the second user comprises:

determining whether the second user is online, and if not, determining whether the session message meets the preset message leaving condition;

and if yes, taking the session message as the message information input by the first user aiming at the second user.

6. The method according to claim 5, wherein the determining whether the session message meets the preset message leaving condition comprises:

determining whether the session message meets the preset message leaving condition according to the emergency importance degree corresponding to the session message.

7. The method according to claim 5, wherein the determining whether the session message meets the preset message leaving condition comprises:

determining whether the session message meets the preset message leaving condition according to the relationship information between the first user and the second user.

8. The method according to claim 1, wherein the determining whether the first user has message leaving authority about the second user currently, and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application comprises:

determining whether the first user has message leaving authority about the second user currently, and if yes, determining whether the number of message leaving times of the second user in the preset time range is smaller than the preset number threshold;

and if yes, sending the message information to the second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

9. The method according to claim 8, wherein the method further comprises:

if the number of the messages left by the second user in the preset time range is

greater than or equal to the preset number threshold, sending the message information to the second user equipment as a common session message, so that the second user can check the message information in the session page of the first user and the second user of the instant messaging application.

5

10. The method according to claim 1, wherein the method further comprises:

if the first user does not have the message leaving authority about the second user, sending a message opening request of the first user about the second user to the second user equipment;

10 receiving the agreement indication information of the second user about the message opening request returned by the second user equipment, opening the message permission.

11. A method for presenting message information, applied to first user equipment, wherein the method comprises:

15 responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user;

20 sending the message information to network equipment, wherein the network equipment determines whether the first user has the message leaving authority about the second user currently, and if yes, sending the message information to second user equipment, so that the second user can check the message information in a message board of the instant messaging application.

25 12. The method according to claim 11, wherein the responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user comprises:

responding to the message board of the instant messaging application entered by the first user, presenting identification information of one or more friends of the first user in the message board;

30 responding to the first user to select a second user from the one or more friends, entering a message leaving page corresponding to the second user, responding to the message input operation executed by the first user in the message leaving page, acquiring the message information input by the first user.

13. The method according to claim 11, wherein the responding to a message input operation executed by the first user aiming at the second user in an instant messaging application, acquiring the message information input by the first user comprises:

5 responding to a session message input operation executed by the first user in the session page of the first user and the second user in the instant messaging application, acquiring the session message input by the first user;

 responding to the message type of the session message set as the message leaving type by the first user, taking the session message as message information.

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14. The method according to claim 13, wherein the responding to the message type of the session message set as the message leaving type by the first user, taking the session message as message information comprises:

 responding to message sending triggering operation executed by the first user aiming
15 at the session message, and if the second user is not online currently, presenting message type setting prompt information corresponding to the session message;

 responding to the first user setting the message type of the session message as the message leaving type according to the message type setting prompt information, taking the session message as message information.

20

15. The method according to claim 14, wherein the responding to message sending triggering operation executed by the first user aiming at the session message, and if the second user is not online currently, presenting message type setting prompt information corresponding to the session message comprises:

25 responding to message sending triggering operation executed by the first user aiming at the session message, if the second user is not online currently and the session message meets the preset message leaving condition, presenting message type setting prompt information corresponding to the session message.

30 16. The method according to claim 11, wherein the method further comprises:

 if the first user does not have the message leaving authority about the second user currently, responding to a message opening triggering operation executed by the first user aiming at the second user, generating a message opening request of the first user about the

second user;

5 sending the message opening request to the network equipment, wherein the network equipment sends the message opening request to the second user equipment, receives the agreement indication information of the second user about the message opening request returned by the second user equipment, opens the message permission.

17. A method for presenting message information, applied to second user equipment, wherein the method comprises:

10 receiving message information which is sent by network equipment and input by the first user aiming at the second user in an instant messaging application, wherein the network equipment determines whether the first user has message leaving authority about the second user currently, and if yes, the message information is sent to the second user equipment;

15 presenting the message information in a message board of the instant messaging application.

18. The method according to claim 17, wherein the presenting the message information in a message board of the instant messaging application comprises:

20 responding to the message board of the instant messaging application entered by the second user, presenting identification information of one or more friends of the second user in the message board;

25 responding to the second user selecting the first user from the one or more friends, entering a message leaving page corresponding to the first user, presenting the message information in the message leaving page.

19. The method according to claim 18, wherein the method further comprises:

30 for each friend in the one or more friends, if the friend has sent message information to the second user and the message information is not read by the second user, presenting corresponding new message prompt information in a region near the identification information of the friend.

20. The method according to claim 17, wherein the presenting the message information in a message board of the instant messaging application comprises:

responding to message board access triggering operation executed by the second user in the instant messaging application, performing identity authentication on the second user;

5 if the second user passes the identity authentication, entering the message board of the instant messaging application, presenting the message information in the message board.

21. The method according to claim 17, wherein the method further comprises:

10 if the first user does not have the message leaving authority about the second user currently, receiving a message opening request of the first user about the second user, which is sent by the network equipment;

responding to the confirmation operation executed by the second user aiming at the message opening request, returning corresponding agreement indication information to the network equipment so as to enable the network equipment to open the message
15 permission.

22. The method according to claim 17, wherein the method further comprises:

presenting the message information in the session page of the first user and the second user.

20

23. The method according to claim 22, wherein the presenting the message information in the session page of the first user and the second user comprises:

presenting the message information in the session page of the first user and the second user according to a presentation mode of a common session message;

25 presenting corresponding message identification information in the area near the message information.

24. The method according to claim 23, wherein the method further comprises:

30 responding to the access triggering operation executed by the second user for the message information, entering a message leaving page corresponding to the first user in the message board from the session page.

25. A computer equipment for presenting message information, comprises a memory,

a processor and a computer program stored on the memory, characterized in that the processor executes the computer program to implement the steps of the method according to any one of claims 1 to 24.

5 26. A computer-readable storage medium on which a computer program/instructions are stored, characterized in that the computer program/instructions, when executed by a processor, implement the steps of the method according to any one of claims 1 to 24.

10 27. A computer program product comprises a computer program, characterized in that the computer program realizes the steps of the method according to any one of claims 1 to 24 when executed by a processor.