

Method, System and Processing Device for Obtaining Friend Dynamic Information

Field of the Technology

The invention relates to computer network technologies, and more particularly, to a method, system and processing device for obtaining buddy feeds.

Background of the Invention

A Social Network Service (SNS) is technical application architecture under Web2.0 system. With direct establishment of social friend relation, human resources may be shared among friends in the SNS. Specific application problems may be completed or solved during the process of establishing the social relation. By adopting the SNS, personal data processing, personal social relation management and sharing of credible business information may be achieved. One's information and knowledge may be securely shared with trustful people. One's SNS may be broadened utilizing the trust relation, to reach more valuable communication and cooperation.

The SNS works on the basis of six degrees of separation theory. That is, in a personal connection network, the objective of getting to know any stranger may be achieved by six intermediate friends only. According to the six degrees of separation theory, the social life of each person is enlarged continuously to become a large scale network finally, e.g., the social network.

In an SNS community, each user owns a certain number of network friends (e.g., buddies). The total network friends form the buddy relation of the user. Each user will use a certain function set. The function set includes, but not limited to, log, photo album, message board, dressing up, music box, vote, sharing, film review, game, etc. Besides, in an SNS community, a user may want to see information about application functions adopted by the user's network friends, that is, buddy feeds.

In current SNS community, to view buddy feeds, a user needs to firstly obtain identifying information about all the buddies, so as to obtain feeds information about each buddy according to the identifying information of the buddies. The feeds information includes, but not limited to, information data of the buddy, such as log,

photo album, message board, sharing, vote, film review, game. Since updated feeds information of each buddy is more than one item, the feeds information may be queried for many times according to buddy identifier, which results in that a lot of user time is consumed.

Besides, the feeds information data of all the buddies of the user may be obtained every a predetermined time. The feeds information data of the buddy may be written into a data block. When the user viewing the buddy feeds, the data block will be returned to the user directly. Thus, within a predetermined period, the buddy feeds may be returned to the user by reading data for only once. However, if the user's buddy updates the feeds information during the predetermined period, the feeds information of the buddy is not returned to the user in time, the user will not be enabled to view buddy feeds in real time.

Summary of the Invention

In view of above, it is necessary to provide a method for obtaining buddy feeds, which may not only reduce time consumed by a user when viewing buddy feeds, but also may obtain latest buddy feeds in real time.

A method for obtaining buddy feeds, including:

receiving a request for viewing buddy feeds from a user;

obtaining update flag information of a buddy;

obtaining data from a feeds data block of the buddy, according to the update flag information of the buddy; and

returning the data in the feeds data block of the buddy to the user.

The method may further include:

receiving an operation instruction of function application from the user;

setting the update flag information for the user according to the operation instruction; and

storing feeds update information after the user executing the function application.

Specifically speaking, obtaining the update flag information of the buddy includes:

querying identifying information of the user's buddy according to buddy relation data, and

querying the update flag information of the buddy according to the identifying information of the user's buddy.

Specifically speaking, obtaining the data from the feeds data block of the buddy, according to the update flag information of the buddy, and returning the data in the feeds data block of the buddy to the user include:

determining whether the buddy feeds are updated, according to the update flag information of the buddy,

when determining the buddy feeds are updated, obtaining the feeds update information of the buddy, adding the feeds update information of the buddy into the feeds data block of the buddy, and returning the data in the feeds data block of the buddy to the user;

when determining the buddy feeds are not updated, directly returning the data in the feeds data block of the buddy to the user.

The method further includes:

after adding the feeds update information of the buddy into the feeds data block of the buddy, deleting the feeds update information stored.

Besides, it is also necessary to provide a system for obtaining buddy feeds, which may not only reduce time consumed by a user when viewing buddy feeds, but also may obtain the latest buddy feeds in real time.

A system for obtaining buddy feeds, includes:

a buddy feeds managing module, configured to receive a request for viewing the buddy feeds from a user, obtain update flag information of a buddy, obtain data from

a feeds data block of the buddy according to the update flag information of the buddy, and return the data in the feeds data block of the buddy to the user.

The system further includes:

an update flag setting module, configured to set the update flag information of the user according to an operation instruction, when the buddy feeds managing module receiving the operation instruction of function application from the user; and

an update information storing module, configured to store feeds update information after the user executing the function application.

The system further includes:

a buddy relation storing module, configured to store buddy relation data; and

the buddy feeds managing module is further configured to query identifying information of the user's buddy according to the buddy relation data, and query the update flag information of the buddy according to the identifying information of the user's buddy.

The system further includes:

a buddy feeds storing module, configured to store the feeds data block of the buddy; and,

the buddy feeds managing module is further configured to determine whether the buddy feeds are updated, according to the update flag information of the buddy;

when determining the buddy feeds are updated, the buddy feeds managing module is further configured to obtain the feeds update information of the buddy, and add the feeds update information into the feeds data block of the buddy, and return

the data in the feeds data block of the buddy to the user;

when determining the buddy feeds are not updated, the buddy feeds managing module is further configured to directly return the data in the feeds data block of the buddy to the user.

The update information storing module is further configured to delete the feeds update information stored, after the feeds update information having been added into the feeds data block of the buddy.

The system further includes:

a user interface, configured to provide an interface for viewing the buddy feeds, and an operation interface of function application.

Besides, it is still necessary to provide a processing device, which may not only reduce time consumed by a user when viewing buddy feeds, but also may obtain the latest buddy feeds in real time.

A processing device, including:

a request response module, configured to receive a request for viewing buddy feeds from a user;

an information obtaining module, configured to obtain update flag information of a buddy, and obtain data from a feeds data block of the buddy according to the update flag information of the buddy; and

an information feedback module, configured to return the data in the feeds data block of the buddy, which is obtained by the information obtaining module, to the user.

The information obtaining module is further configured to query identifying information of the user's buddy according to buddy relation data, and obtain the update flag information of the buddy according to the identifying information of the user's buddy.

The processing device further includes:

a determining module, configured to determine whether the buddy feeds are updated, according to the update flag information of the buddy;

when determining the buddy feeds are updated, the information obtaining module is further configured to add the feeds update information of the buddy into the feeds data block of the buddy.

In accordance with above method, system and processing device for obtaining buddy feeds, by setting buddy's update flag information and obtaining data block of buddy feeds according to the buddy's update flag information, when the buddy's update flag information indicates that the buddy feeds are updated, the updated information of the buddy feeds will be added to the data block of the buddy feeds. And then, data in the data block of the buddy feeds may be returned to the user. Thus, the user may view the latest buddy feeds in real time. When the buddy's update flag information indicates that the buddy feeds are not updated, the data block of the buddy feeds will be returned to the user directly. Since there is no migration of updated information at the moment, the data in the data block of the buddy feeds may be obtained after reading data for only once. Thus, time consumed by a user when viewing buddy feeds may be reduced.

Brief Description of the Drawings

FIG.1 is a flowchart illustrating a method for obtaining buddy feeds in accordance with an embodiment of the invention.

FIG. 2 is a flowchart illustrating a method for obtaining data from a data block of buddy feeds, and returning the data in the data block of the buddy feeds to a user, in accordance with an embodiment of the invention.

FIG. 3 is a schematic diagram illustrating structure of a system for obtaining buddy feeds in accordance with an embodiment of the invention.

FIG.4 is a schematic diagram illustrating structure of a processing device in accordance with an embodiment of the invention.

Embodiments of the Invention

The method, system and processing device for obtaining buddy feeds, which are provided by the following specific implementation modes, may be applied in an SNS community. In the SNS community, a user may own multiple buddies. Similarly, a

user's buddy may also own multiple buddies. Therefore, in the following descriptions, there is a relative relation existed between the "user" and "buddy". A user's operating instructions about function application may be received with a user interface, e.g., a user writes log, uploads photos, etc. A user's update flag information may be set according to the user's operating instructions. After executing functional application, feeds updating information of a user may be stored.

FIG. 1 is a flowchart illustrating a method for obtaining buddy feeds in accordance with an embodiment of the invention. The method includes the following blocks.

In step S10, a user's request for viewing buddy feeds is received. After the user logging on an SNS community, the system may automatically initiate a request for viewing buddy feeds, or the user's request for viewing buddy feeds may be received through a user interface.

In step S12, update flag information of a buddy may be obtained. The update flag information records the update flag of a buddy. Whether a user's buddy feeds have been updated can be learned based on the update flag. Specifically speaking, the update flag information may include the following information about the buddy: identifying information, function application classification and corresponding update flag. Value of the update flag may be set as 1 to denote updating. And value of the update flag may be set as 0 to denote without updating.

In step S14, data in the data block of buddy feeds may be obtained according to the buddy's update flag information. In an implementation mode, the data block of buddy feeds is a complete data block. All the data in the data block of the buddy feeds may be returned to the user, after reading data for only once.

In step S16, the data in the data block of buddy feeds may be returned to the user. The data in the data block of the buddy feeds may be displayed for the user on a user interface. The user may be able to view the latest buddy feeds, which include, but not limited to the following information, log newly written by the buddy, photo uploaded by the buddy, and new messages on the message board.

FIG. 2 is a flowchart illustrating a method for obtaining data from a data block of buddy feeds, and returning the data in the data block of the buddy feeds to a user, in accordance with an embodiment of the invention. The specific process is as follows.

In step S20, a buddy's update flag information may be obtained. A user may be able to learn which buddy feeds have been updated, according to the buddy's update flag information. The update flag information may be stored with a buddy identifier index. In an embodiment, a user's buddy identifier information may be queried according to the buddy relation data firstly. And then, the update flag information of a corresponding buddy may be found according to the buddy identifier information. The above buddy relation data records a corresponding relation between a user identifier and identifiers of all the user's buddies.

In Step S22, whether there is update to buddy feeds may be determined according to the buddy's update flag information. If yes, step S24 may be executed. Otherwise, step S28 may be executed. Value of the update flag may be set as "1" in advance to denote that the buddy feeds are updated. Value of the update flag may be set as "0" in advance to denote that the buddy feeds are not updated.

In step S24, the buddy's feeds update information may be obtained. Since the feeds update information may be stored, after the user executing function application operations, preferably, when the user has finished an item of function application operation (e.g., writes new logs, uploads photos, etc), the feeds update information may be stored after the user executing the item of function application operation. The feeds update information corresponds to the user identifier. When determining the buddy feeds is updated according to the buddy's update flag information, the stored feeds update information may be obtained after querying buddy identifier corresponding to the update flag information.

In step S26, the buddy's feeds update information may be added into the buddy's feeds data block. After adding the buddy's feeds update information into the buddy's feeds data block, the buddy's update flag information may be modified. The update flag of a buddy may be set as without update, when the feeds update information of the buddy has been added into the buddy's feeds data block. In a preferred embodiment, after adding a buddy's feeds update information into the buddy's feeds

data block, the stored feeds update information may be deleted. With reference to the buddy feeds information already existed in the buddy's feeds data block, the originally stored information may be replaced with the buddy's feeds update information, to enable the buddy's feeds data block to store the latest feeds of all the buddies of the user.

In step S28, the data in the buddy's feeds data block may be returned to the user. In an embodiment, the data in the buddy's feeds data block may be returned to the user with a user interface. The user may be able to view the latest buddy feeds. These buddy feeds include, but not limited to the update information of all the buddies of the user, such as log, photo album, message board, equipage, music box, vote, sharing, film review, game, etc. Since the buddy's feeds data block is a complete data block, all the data in the data block may be obtained after reading once. Thus, time consumed when a user viewing buddy feeds may be reduced.

The above method flow may be explained with a specific example in the following. In an SNS community, users A and B are buddies. When user B executes a certain function application, e.g., user B adds a log, the update flag information for user B may be set. The update flag information records user B's identifier, as well as update of user B's log. Meanwhile, user B's log update information may be stored in an update information storing module. The log update information may include the following contents: user name or identification number of user B, title of the updated log and partial contents of the log, and so on. When logging on the community and initiating a request for viewing buddy feeds, user A obtains his/her buddy's update flag information. When learning user B's log is updated, user A adds user B's log update information, which is stored in the update information storing module, into the buddy's feeds data block. When data packet of the buddy's feeds data block includes previous log update information of user B, user B's log update information previously stored may be directly replaced with obtained user B's log update information. When data packet of the buddy's feeds data block doesn't include previous log update information of user B, user B's log update information may be directly added into the buddy's feeds data block. Finally, the data in the buddy's feeds data block may be returned to user A. User A may be able to view the latest feeds of user B. Regarding other buddies of user A, the principle of method for returning feeds information is

similar to the above. On the contrary, regarding user B, when his/her buddy user A updating feeds, user B may also be able to view the latest feeds of user A in real time.

FIG.3 illustrates a system for obtaining buddy feeds in accordance with an embodiment of the invention. The system includes a user interface 10, a buddy feeds managing module 20, a buddy relation storing module 30, an update information storing module 40, a buddy feeds storing module 50 and an update flag setting module 60.

The user interface 10 is configured to provide an interface for viewing buddy feeds, and provide an interface for implementing corresponding function application operations.

The buddy feeds managing module 20, which connects with the user interface 10, is configured to receive a request for viewing buddy feeds from a user, obtain update flag information of a buddy, obtain data from a buddy's feeds data block according to the buddy's update flag information, and return the data in the buddy's feeds data block to the user.

The buddy relation storing module 30, which connects with the buddy feeds managing module 20, is configured to store buddy relation data. The buddy relation data records user identifier, and identifiers of all the buddies of the user. In an implementation mode, the buddy feeds managing module 20 queries the user's buddy identifying information according to the buddy relation data, and finds out the update flag information of a buddy corresponding to the identifier based on the buddy identifying information.

The update information storing module 40, which connects with the buddy feeds managing module 20, is configured to store the feeds update information of a user after the user executing the function application. The feeds update information includes, but not limited to the following update information, such as log, photo album, message board, equipage, music box, vote, sharing, film review, game.

The buddy feeds storing module 50, which connects with the buddy feeds managing module 20, is configured to store buddy feeds data. Data packet in the buddy's feeds data block includes the latest update information of all the buddies of

the user. In an implementation mode, the buddy feeds managing module 20 determines whether the buddy feeds are updated, according to the buddy update flag information. When determining the buddy feeds are updated, the buddy feeds managing module 20 obtains the buddy's feeds update information, adds the obtained feeds update information to the buddy's feeds data block, and returns data in the buddy's feeds data block to the user. When determining the buddy feeds are not updated, the buddy feeds managing module 20 directly returns data in the buddy's feeds data block to the user. In a preferred embodiment, after adding the feeds update information into the buddy's feeds data block, the update information storing module 40 deletes the stored feeds update information. Since the buddy's feeds data block is stored in the form of a complete data block, the latest update information of all the user's buddies may be returned to the user after reading data only once. Thus, time consumed by a user when viewing buddy feeds may be reduced.

The update flag setting module 60, which connects with the buddy feeds managing module 20, is configured to set the user's update flag information according to an operation instruction, when receiving an operation instruction of function application from a user. With the buddy's update flag information, whether the user's buddy feeds have been updated and which buddies have updated the buddy feeds may be learned.

In an embodiment, the buddy feeds managing module 20 receives a user's request for viewing buddy feeds, queries the user's buddy identifying information according to the buddy relation data, and finds out the update flag information of a buddy corresponding to the identifier according to the buddy identifying information. When the update flag information indicates that the buddy feeds are updated, the buddy feeds managing module 20 adds the feeds update information stored in the update information storing module 40 into the buddy's feeds data block of the buddy feeds storing module 50. Meanwhile, the buddy feeds managing module 20 returns the data in the buddy's feeds data block, which is stored in the buddy feeds storing module 50, to the user with the user interface 10. Thus, the user may be able to view the latest feeds of the user's buddy.

FIG. 4 illustrates a processing device in accordance with an embodiment of the invention. The processing device is configured to obtain the buddy's latest feeds,

which includes a request response module 100, an information obtaining module 120, a determining module 140 and an information feedback module 160. The request response module 100 is configured to receive a user's request for viewing buddy feeds. The information obtaining module 120 is configured to obtain the buddy's update flag information, and obtains data in the buddy's feeds data block according to the buddy's update flag information. The determining module 140 is configured to determine whether the buddy feeds are updated, according to the buddy's update flag information obtained. The information feedback module 160 is configured to return the data, which is obtained by the information obtaining module 120 from the buddy's feeds data block, to the user.

In an implementation mode, the update flag information is set when a user executing a certain function application operation. The update flag information may be stored with a user flag index. In an embodiment, the information obtaining module 120 queries the user's buddy identifying information according to the buddy relation data, and obtains the buddy's update flag information according to the buddy identifying information. When the buddy feeds are updated, the information obtaining module 120 adds the buddy's feeds update information into the buddy's feeds data block.

The foregoing is only preferred embodiments of the invention, which is not used for limiting the invention. Any modifications, equivalent substitutions and improvements made within the spirit and principle of the invention, should be covered by the protection scope of the invention.

Claims

1, A method for obtaining buddy feeds, comprising:

receiving a request for viewing buddy feeds from a user;

obtaining update flag information of a buddy;

obtaining data from a feeds data block of the buddy, according to the update flag information of the buddy; and

returning the data in the feeds data block of the buddy to the user.

2, The method according to claim 1, further comprising:

receiving an operation instruction of function application from the user;

setting the update flag information for the user according to the operation instruction; and

storing feeds update information after the user executing the function application.

3, The method according to claim 1, wherein obtaining the update flag information of the buddy comprises:

querying identifying information of the user's buddy according to buddy relation data, and

querying the update flag information of the buddy according to the identifying information of the user's buddy.

4, The method according to any one of claims 1 to 3, wherein obtaining the data from the feeds data block of the buddy, according to the update flag information of the buddy, and returning the data in the feeds data block of the buddy to the user comprise:

determining whether the buddy feeds are updated, according to the update flag information of the buddy,

when determining the buddy feeds are updated, obtaining the feeds update information of the buddy, adding the feeds update information of the buddy into the feeds data block of the buddy, and returning the data in the feeds data block of the buddy to the user;

when determining the buddy feeds are not updated, directly returning the data in the feeds data block of the buddy to the user.

5, The method according to claim 4, further comprising:

after adding the feeds update information of the buddy into the feeds data block of the buddy, deleting the feeds update information stored.

6, A system for obtaining buddy feeds, comprising:

a buddy feeds managing module, configured to receive a request for viewing the buddy feeds from a user, obtain update flag information of a buddy, obtain data from a feeds data block of the buddy according to the update flag information of the buddy, and return the data in the feeds data block of the buddy to the user.

7, The system according to claim 6, further comprising:

an update flag setting module, configured to set the update flag information of the user according to an operation instruction, when the buddy feeds managing module receiving the operation instruction of function application from the user; and

an update information storing module, configured to store feeds update information after the user executing the function application.

8, The system according to claim 6, further comprising:

a buddy relation storing module, configured to store buddy relation data; and

the buddy feeds managing module is further configured to query identifying information of the user's buddy according to the buddy relation data, and query the update flag information of the buddy according to the identifying information of the user's buddy.

9, The system according to any one of claims 6 to 8, further comprising:

a buddy feeds storing module, configured to store the feeds data block of the buddy; and,

the buddy feeds managing module is further configured to determine whether the buddy feeds are updated, according to the update flag information of the buddy;

when determining the buddy feeds are updated, the buddy feeds managing module is further configured to obtain the feeds update information of the buddy, and add the feeds update information into the feeds data block of the buddy, and return

the data in the feeds data block of the buddy to the user;

when determining the buddy feeds are not updated, the buddy feeds managing module is further configured to directly return the data in the feeds data block of the buddy to the user.

10, The system according to claim 9, wherein the update information storing module is further configured to delete the feeds update information stored, after the feeds update information having been added into the feeds data block of the buddy.

11, The system according to any one of claims 6, 7, 8 and 10, further comprising:

a user interface, configured to provide an interface for viewing the buddy feeds, and an operation interface of function application.

12, A processing device, comprising:

a request response module, configured to receive a request for viewing buddy feeds from a user;

an information obtaining module, configured to obtain update flag information of a buddy, and obtain data from a feeds data block of the buddy according to the update flag information of the buddy; and

an information feedback module, configured to return the data in the feeds data block of the buddy, which is obtained by the information obtaining module, to the user.

13, The processing device according to claim 12, wherein the information obtaining module is further configured to query identifying information of the user's buddy according to buddy relation data, and obtain the update flag information of the buddy according to the identifying information of the user's buddy.

14, The processing device according to claim 12 or 13, further comprising:

a determining module, configured to determine whether the buddy feeds are updated, according to the update flag information of the buddy;

when determining the buddy feeds are updated, the information obtaining module is further configured to add the feeds update information of the buddy into the feeds data block of the buddy.