

Method and Means for Processing Start Pages

[Field of the Invention]

The present application relates to a field of software technology. In particular, it relates to a method and means for processing start pages.

[Background of the Invention]

When it is being activated, an app undergoes an initialization process that lasts a short period of time. To enhance user experience during app activation, developers generally provide a start page during the process. In other words, after a user activates an app, the app will present a start page to the user. The start page can boost the user's perception that the app can be quickly started and immediately put to use.

However, the start page that all users see is the same for the same app. This is rather monotonous and affects app quality.

[Summary of the Invention]

The multiple aspects of the present application provide a method and means for processing start pages. They are used to implement personalized settings of start pages and to improve the quality of apps.

One aspect of the present application provides a method for processing start pages. It comprises:
a server receiving a start page setup request, said start page setup request being for commanding the setup of start pages for user groups;

said server using said start page setup request as a basis for setting up a personalized start page adapted to said user group.

As a further improvement to the present application, said server using said start page setup request as a basis for setting up a personalized start page adapted to said user group comprises:

said server using said start page setup request as a basis for presenting a start page upload button to a first user who sent said start page setup request;

said server acquiring a start page uploaded by said first user with said start page upload button and regarding it as said personalized start page; or

said server acquiring start page descriptive information based on said start page setup request;
said server generating said personalized start page based on said start page descriptive information.

As a further improvement to the present application, said server acquiring start page descriptive information based on said start page setup request comprises:

said server using said start page setup request as a basis for presenting a first information filling page to a first user who sent said start page setup request;

said server acquiring said start page descriptive information which said first user entered into said first information filling page; or

said server acquiring said start page descriptive information from said start page setup request.

As a further improvement to the present application, said method further comprises:

said server setting up said personalized start page expiration date based on said start page setup request.

As a further improvement to the present application, prior to said server setting up said personalized start page expiration date based on said start page setup request, it comprises:

said server using said start page setup request as a basis for presenting a second information filling page to the first user who sent said start page setup request;

said server acquiring said personalized start page's expiration date which was entered by said first user on said second information filling page; or

said server acquiring said personalized start page's expiration date from said start page setup request.

As a further improvement to the present application, the first user who sends said start page setup request is any user in said user group or the first user who sends said start page setup request is the administrator of said user group.

As a further improvement to the present application, said personalized start page comprises at least one of the following types of information:

enterprise page, happy birthday information for employees, enterprise icon, and enterprise announcement message.

Another aspect of the present application provides a method for processing start pages. It comprises:

during start-up, a client determining the user group to which the user using said client belongs;

said client assessing whether a personalized start page for said user group is stored locally; said personalized start page is the start page adapted to said user group and set up by a server according to a start page setup request;

if the assessment result is yes, said client presenting said user with said personalized start page during the start-up process.

As a further improvement to the present application, prior to said client assessing whether a personalized start page for said user group is stored locally, it comprises:

said client sending a first acquisition request to said server;

said client receiving said personalized start page sent back by said server according to said first acquisition request and saving it locally.

As a further improvement to the present application, prior to said client presenting said user with said personalized start page during the start-up process, it comprises:

said client assessing whether the expiration date of said personalized start page has been reached;

if the assessment result is no, said client executing the operation of presenting said personalized start page to said user during start-up.

As a further improvement to the present application, prior to said client assessing whether the expiration date of said personalized start page has been reached, it comprises:

said client sending a second acquisition request to said server;

said client receiving the expiration date of said personalized start page sent back by said server according to said second acquisition request.

As a further improvement to the present application, when said user belongs to multiple user groups and the personalized start pages of said multiple user groups have been stored locally, the step of said client presenting said personalized start page to said user during start-up specifically is:

said client randomly determines one start page from among the personalized start pages of said multiple user groups to be the one that serves as the to-be-presented personalized start page and presents said to-be-presented personalized start page to said user during start-up; or

in accordance with a preset repeating sequence, said client determines which personalized start page in the sequence of personalized start pages of said multiple user groups is the current the one to serve as the to-be-presented personalized start page and presents said to-be-presented personalized start page to said user during start-up.

Yet another aspect of the present application provides a means for processing start pages. Implemented on a server, said means comprises:

- a receiving module, for receiving start page setup requests, said start page setup requests being for commanding start page setup for user groups;

- a setup module, for using said start page setup requests as a basis for setting up personalized start pages adapted to said user groups.

- As a further improvement to the present application, said setup module specifically is for:

- using said start page setup request as a basis for presenting a start page upload button to the first user who sent said start page setup request;

- acquiring the start page uploaded by said first user with said start page upload button and regarding it as said personalized start page; or

- acquiring start page descriptive information based on said start page setup request;

- generating said personalized start page based on said start page descriptive information.

- As a further improvement to the present application, said setup module specifically is for:

- using said start page setup request as a basis for presenting a first information filling page to the first user who sent said start page setup request:

- acquiring said start page descriptive information entered into said first information filling page by said first user; or

- acquiring said start page descriptive information from said start page setup request.

- As a further improvement to the present application, said setup module is further for: setting an expiration date for said personalized start page based on said start page setup request.

- As a further improvement to the present application, said setup module is further for:

- using said start page setup request as a basis for presenting a second information filling page to the first user who sent said start page setup request;

- acquiring said personalized start page's expiration date entered into said second filling page by said first user; or

- acquiring said personalized start page's expiration date from said start page setup request.

Yet another aspect of the present application provides a means for processing start pages. Implemented on a server, said means comprises:

- a determining module, for determining the user group to which the user using said client belongs during said client start-up;

- an assessing module, for assessing whether a personalized start page for said user group has been stored locally; said personalized start page is a start page set up according to a start page setup request and adapted to said user group;

- a presenting module, for presenting said personalized start page to said user during said client start-up if the assessment result of the assessing module is yes.

As a further improvement to the present application, said means further comprises:

- a sending module, for sending a first acquisition request to said server;

- a receiving module, for receiving said personalized start page sent back by said server according to said first acquisition request and storing it locally.

As a further improvement to the present application, said assessing module is further for:

- assessing whether the expiration date of said personalized start page has been reached;

- and when the assessment result is no, triggering said presenting module to execute the operation of presenting said personalized start page to said user during start-up.

As a further improvement to the present application, said sending module is further for: sending a second acquisition request to said server;

said receiving module is further for: receiving the expiration date of said personalized start page sent back by said server according to said second acquisition request.

As a further improvement to the present application, said presenting module is specifically for:

- when said user belongs to multiple user groups and the personalized start pages of said multiple user groups have been stored locally, randomly determining one start page from among the personalized start pages of said multiple user groups to be the one that serves as the to-be-presented personalized start page, and presenting said to-be-presented personalized start page to said user during start-up; or

- upon determining that said user belongs to multiple user groups and that the personalized start pages of said multiple user groups are stored locally,

determining in accordance with a preset repeating sequence which personalized start page in the sequence of personalized start pages of said multiple user groups is the current one to serve as the to-be-presented personalized start page, and presenting said to-be-presented personalized start page to said user during start-up.

The receiving module is further for: receiving the expiration date of said personalized start page sent by said server.

Said presenting module is specifically for: assessing whether the expiration date of said personalized start page has been reached; if the assessment result is no, presenting said personalized start page to said user.

In the present application, a server receives a start page setup request and, on the basis of said start page setup request, learns of the need to set up a start page for a user group. Thereupon, it uses the start page setup request as a basis for setting up a personalized start page adapted to a user group. It is thus clear that the present application can set up personalized start pages adapted to user groups, with the result that the start pages of different user groups can be different. A change from monotonous start pages, this achieves personalized setup of start pages and improves the quality of apps.

[Description of the Drawings]

In order to provide a clearer explanation of the technical schemes in embodiments of the present application, a simple introduction is given below to the drawings which are needed for the embodiments or the prior art. Obviously, the drawings described below are embodiments in the present application. Persons with ordinary skill in the art could, without expending creative effort, obtain other drawings on the basis of these drawings.

FIG. 1 is a flowchart of a start page-processing method provided by an embodiment of the present application.

FIG. 2 is an illustration of a page simultaneously presenting a start page upload button and an expiration date input box, as provided by an embodiment of the present application.

FIG. 3 is an illustration of a personalized start page provided by an embodiment of the present application.

FIG. 4 is a flowchart of a start page-processing method provided by another embodiment of the present application.

FIG. 5 is a structural diagram of a start page-processing means provided by an embodiment of the present application.

FIG. 6 is a structural diagram of a start page-processing means provided by another embodiment of the present application.

[Specific Embodiments]

In order to shed more light on the objectives, technical schemes, and advantages of the embodiments of the present application, the technical schemes in the embodiments of the present application are described clearly and completely in light of the drawings of the embodiments of the present application. Obviously, the embodiments described are some of the embodiments of the present application and are not all the embodiments. So long as no additional creative effort is expended, all other embodiments that are obtained by persons with ordinary skill in the art on the basis of embodiments in the present application fall within the scope of protection of the present application.

FIG. 1 is a flowchart of a start page processing method provided by an embodiment of the present application. As shown in FIG. 1, the method comprises:

101: A server receives a start page setup request. The start page setup request is used to command the setup of a start page for a user group.

102: The server uses the start page setup request as a basis for setting up a personalized start page adapted to the user group.

To solve the problem of app start pages being relatively monotonous in the prior art, the present embodiment provides a method of processing start pages. It is executed by the app server and permits setting up start pages for user groups, with the result that users in different user groups can see different start pages, thereby achieving personalized setup of start pages and improved app quality. The present embodiment is not limited as to app types. They could be entertainment apps, e-commerce apps, instant messaging apps, office apps, and so on.

In the present embodiment, app users are grouped into different user groups. The same user group uses the same start page, but different user groups may use different start pages. The present embodiment imposes no limits on the ways in which app users are grouped. The particular grouping method can be decided in accordance with actual app scenarios. For example, one enterprise's users may constitute one user group. Or the users of each different department within an enterprise could constitute a user group. Or users could be grouped according to a user classification standard provided by the app itself. (For example, each enterprise cohort created according to the enterprise cohort function provided by the DingTalk app could be one user group.)

To facilitate personalized setup of a start page for a user group, an administrator may be assigned to the group. The administrator is responsible for launching the personalized setup of the user group's start page. The administrator could be a user who does not belong to the user group, or they could be a certain user in the user group.

Or any user in a user group could launch personalized setup of the user group's start page.

The method provided by the present embodiment is especially applicable to various enterprise-oriented apps, e.g., instant messaging apps such as DingTalk and BigAnt. Employees of different enterprises each form one user group to achieve the objective of setting up a start page conforming to an enterprise attribute or idea for employees of each different enterprise.

Specifically, when personalized setup of a start page for a user group becomes necessary, a start page setup request used to command start page setup for the user group is issued to a server. The server receives the start page setup request. The start page setup request serves as a basis for notifying of the need to carry out start page setup for target users.

To aid description, the user that sends the start page setup request to the server is called the first user. The first user will generally send a start page setup request to a server through their terminal device. For example, the first user could be the user group's administrator or any user within the user group.

In an optional implementation, a user group could be configured to include just one user. That is, each user would individually be regarded as a user group. This could result in each user individually setting up their own personalized start page. Thus, when a user needed to carry out personalized setup of the start page, they could send a start page setup request to the server. For example, the user could send a start page setup request through their client to a server. This implementation is applicable to various types of individual-oriented apps, e.g., an individual-oriented instant messaging app, such as Tencent QQ, Sina UC, or TaoBao WangWang. These individual-oriented apps can provide personalized start pages to each of their users with the method provided by this implementation.

When the app relating to the present embodiment is an individual-oriented app, said personalized start page is mainly a start page related to the user's own information. For example, it could be an interface of a cartoon that the user likes or a page showing the user's agenda information or a page showing a maxim that the user likes, etc.

When the app relating to the present embodiment is an enterprise-oriented app, said personalized start page could include at least one of the following types of information: enterprise page, happy birthday information for employees, enterprise icon, and enterprise announcement message. Furthermore, if employees of each different department within an enterprise constitute a user group, then an announcement message of each department could be shown to the users in the user group of that department through the personalized start page for that user group.

After receiving a start page setup request, the server uses the start page setup request as a basis for setting up a personalized start page adapted to the user group.

This “personalized start page adapted to the user group” can be understood as a personalized start page matching the attributes of the user group.

In an optional implementation, the server can use the start page setup request as a basis for presenting a start page upload button to the first user who sent the start page setup request so that the first user can upload the start page. The first user can click on the start page upload button to upload the start page to the server. The server acquires the start page uploaded by the first user with the start page upload button and regards it as the personalized start page of a target user. In this implementation, the right to choose a personalized start page resides with the user. The first user is permitted, on behalf of the target user, to set up or select a personalized start page adapted to the target user. The server needs only provide a start page upload button and to issue the personalized start page uploaded by the first user to the appropriate clients. This helps to lessen the processing load on the server.

It is important to understand that the server can limit the size of the upload content, e.g., set an upper limit such as 1 MB. When the size of the personalized start page to be uploaded by the first user exceeds this upper limit, the upload is prohibited.

In another optional implementation, the server can use a start page setup request as a basis for acquiring start page descriptive information and, based on the start page descriptive information, generate a personalized start page. In terms of information types, the start page descriptive information may include various types of information such as icons, text, video, and audio. As for specific content, the start page descriptive information may include various types of information related to the user group, such as birthday reminders; schedule, status, and other reminders relating to work; inspirational information to motivate users in the user group; upcoming itineraries, meetings, and other such information; style information for a suitable image whereby users describe the user group, the logo of the enterprise where the user group is located, announcement messages issued by the enterprise to users in the user group, and so on. In this implementation, the personalized start page is mainly generated by the server based on start page descriptive information.

For example, the server could use the start page setup request as a basis for presenting a first information filling page to the first user who sent the start page setup request. This way, the user can enter the information needed to generate a personalized start page (abbreviated as “start page descriptive information”) into the first information filling page. The server acquires the start page descriptive information that the first user entered into the first information filling page. Then the server generates a personalized start page based on the acquired start page descriptive information.

To give another example, the first user that sends the start page setup request could send a start page setup request carrying the start page descriptive information to the server.

Thus, the server can acquire start page descriptive information from the start page setup request and then generate a personalized start page based on the start page descriptive information.

Furthermore, so that the personalized start page can be promptly or continually updated for the user group, the server can, in addition to using a start page setup request as a basis for setting up a personalized start page adapted to the user group, also set up a personalized start page expiration date based on the start page setup request.

Optionally, when the personalized start page expiration date is reached, the server can automatically delete the personalized start page. At this point, if a new personalized start page has been set up for the user group, it uses the new personalized start page. If a new personalized start page has not been set up for the user group, it can use the start page that came with the app or a default start page. Such a start page is generally related to the app itself, e.g., a page similar to or the same as the app main interface.

In an optional implementation, the server could use the start page setup request as a basis for presenting a second information filling page to the first user who sent the start page setup request. For example, an input box is set up on the page for input of the personalized page's expiration date by the first user. The first user can input the personalized start page's expiration date here. The server acquires the personalized start page's expiration date that was entered by the first user on the second information filling page. Then the server sets the personalized start page expiration date based on the acquired expiration date.

Please note that the process whereby the server sets the personalized start page's expiration date can be either different from or the same as the aforementioned process whereby the server acquires start page descriptive information in the course of generating the personalized start page. If it is the same process, then the first information filling page and the second information filling page can be the same page, with start page descriptive information and expiration date input prompts, such as input boxes, simultaneously displayed on this page.

In addition, the process whereby the server sets up the personalized start page's expiration date can be either different from or the same as the aforementioned process whereby the server presents the first user with the start page upload button in the course of acquiring the personalized start page. If it is the same process, then it can simultaneously display the start page upload button on the second information filling page. Taking the DingTalk app as an example, FIG. 2 provides an illustration of a page simultaneously displaying a start page upload button and an expiration date input box. Examples, however, are not limited to this.

In an implementation where the server generates a personalized start page based on start page descriptive information, the server can use start page descriptive information to generate a personalized start page by revising a default start page or one provided by the app itself.

Or the server can pre-store multiple personalized start page templates, acquire the personalized start page template matching the start page descriptive information, and use the start page descriptive information as a basis for filling out or rendering the acquired personalized start page template so as to obtain a personalized start page. To match start page descriptive information with personalized start page templates, the server can establish a mapping relationship between designated information in the start page descriptive information and personalized start page templates and set up the designated information item as a required item. Thus, the server can use the designated information in the start page descriptive information to find a match among the preset mapping relationships between information and personalized start page templates and thereby obtain personalized start page descriptive information corresponding to the start page descriptive information.

After setting up a personalized start page adapted to the user group, the server can send the personalized start page to clients corresponding to the user group. For example, in response to a request from the first user who sent the start page setup request, the server sends the aforesaid personalized start page to the client of each user in the user group so that the clients present the personalized start page to the corresponding users at start-up. Or the server can send the aforesaid personalized start page to the client of each user in response to requests from each user in the user group so that the clients present the personalized start page to the corresponding users at start-up.

The client of each user in the user group receives the personalized start page sent by the server, and the personalized start page is presented to the corresponding user during start-up. Taking the DingTalk app as an example, FIG. 3 provides an illustration of a personalized start page set up by an enterprise-oriented user and presented to users in the start-up process. Examples, however, are not limited to this.

The start page setup request described above carries a user group identifier, e.g., group name or group ID. The server identifies the user group with the user group identifier so that it can more easily send the personalized start page to the clients corresponding to the user group.

As is clear from the above, in the present embodiment, the server receives a start page setup request, and it learns from the start page setup request of the need to set up a start page for a user group. It thereupon uses the start page setup request as a basis for setting up a personalized start page adapted to the user group. Clearly, the present embodiment can set up corresponding personalized start pages for user groups with the result that different user groups can have different start pages. A change from monotonous start pages, this achieves personalized setup of start pages and improves the quality of apps.

In addition, what apps in the prior art display is a single, fixed start page. In contrast, the start page provided by the present embodiment can present users in a user group with information relating to the user group.

Users no longer find it tedious. On the one hand, it can raise user appreciation, while on the other hand it puts the start page resource to fuller use and raises the utilization rate of the start page.

FIG. 4 is a flowchart of a start page-processing method provided by another embodiment of the present application.

401: During start-up, a client determines the user group to which the client-using user belongs.

402: The client assesses whether a personalized start page for the user group is stored locally. The personalized start page is the start page adapted to the user group and set up by a server according to a start page setup request.

403: If the assessment result is yes, the client presents the user with the personalized start page during the start-up process.

The present embodiment provides a method of processing start pages that is executed by clients with support from a server. It is used to present personalized start pages and to improve app quality.

The server uses the method described in the foregoing embodiment to generate a personalized start page. That is, the personalized start page is a start page set up according to a start page setup request and adapted to the user group to which the client-using user belongs. And the personalized start page is sent to the client in response to a client request. The description of the server setting up a personalized start page will not be repeated here.

Before executing steps 401 through 403, the client can send a first acquisition request to the server to request the personalized start page of the user group to which the client-using user belongs. Then the client receives the personalized start page sent back by the server according to the first acquisition request and saves it locally.

When the user activates the client, the client presents the user with the personalized start page during start-up. The specific process is as follows:

When a client is activated, it first determines the user group to which the user belongs. It then assesses whether a personalized start page for the user group has been stored locally. If the assessment result is yes, it presents this personalized start page to the user during start-up.

Furthermore, if the assessment result is no, it can present the user with a default start page or one provided by the app itself.

Furthermore, the server can also set an expiration date for the personalized start page and issue the expiration date in response to a client request. Specifically, before executing steps 401 through 403, the client can send a second acquisition request to request the expiration date of the personalized start page. The client receives the expiration date of the personalized start page sent back by the server according to the second acquisition request.

During the start-up process and before presenting the user with the personalized start page, the client needs to make an assessment based on the personalized start page's expiration date of whether the expiration date of the personalized start page has been reached. The personalized start page is presented to the user during the start-up process only when the assessment result is no.

Optionally, when the assessment result is yes, the client can automatically delete the personalized start page.

Optionally, when the assessment result is yes, the client can present the client with a default start page or one provided by the app itself.

A single user may belong to multiple user groups. In cases where a single user belongs to multiple user groups, each user group has its own personalized start page, meaning that the client will have stored multiple personalized start pages locally. Thus, when it has been determined that the user belongs to multiple user groups and that personalized start pages of multiple user groups have been stored locally, the specific way in which the client presents the personalized start page during start-up is:

From among the personalized start pages of multiple user groups, the client randomly determines one to serve as the to-be-presented personalized start page and presents said to-be-presented personalized start page to the user during start-up.

Or, upon determining that the user belongs to multiple user groups and that the personalized start pages of multiple user groups are stored locally, the specific way in which the client presents a personalized start page during start-up is:

In accordance with a preset repeating sequence, the client determines which personalized start page in the sequence of personalized start pages of multiple user groups is the current one to serve as the to-be-presented personalized start page and presents said to-be-presented personalized start page to the user during start-up. For example, suppose that a user belongs simultaneously to User Group A and User Group B. Thus, during the first start-up, the user would be presented with the personalized start page of User Group A to which the user belongs. During the second start-up, the user would be presented with the personalized start page of User Group B to which the user belongs; during the third start-up, the user would be presented with the personalized start page of User Group A; during the fourth start-up, the user would be presented with the personalized start page of User Group B; and so on, according to this sequence.

In the present embodiment, the client cooperates with a server and supports the server in separately setting up personalized start pages for different user groups. During the start-up process, it identifies the user groups to which the user belongs and, when there are personalized start pages of user groups stored locally, presents the user with a personalized start page, with the result that users in different user groups may see different start pages. This achieves personalized setup of start pages and improves app quality.

In addition, what apps in the prior art display is a single, fixed start page.

In contrast, the start page provided by the present embodiment can present users with information relating to the user group to which the users belong. Users no longer find it tedious. On the one hand, it can raise user appreciation, while on the other hand it puts the start page resource to fuller use and raises the utilization rate of the start page.

Please note that all the method embodiments described above have been presented as a series of a combination of actions in order to simplify description. However, persons skilled in the art should know that the present application is not limited by the action sequences that are described, for some of the steps may make use of another sequence or be implemented simultaneously in accordance with the present application. Furthermore, persons skilled in the art should also know that the embodiments described in the specification are preferred embodiments and that the actions and modules involved therein are not necessarily required by the present application.

In the embodiments described above, the description of each embodiment has its respective emphasis, and parts of an embodiment are not described in detail. One may refer to other embodiments for the relevant descriptions.

FIG. 5 is a structural diagram of a start page-processing means provided by an embodiment of the present application. The start-page processing means may be implemented on a server. As shown in FIG. 5, the means primarily comprises: a receiving module 51 and a setup module 52.

The receiving module 51 is for receiving start page setup requests; a start page setup request is for commanding start page setup for a target user.

The setup module 52 is for using the start page setup requests received by the receiving module 51 as a basis for setting up personalized start pages adapted to user groups.

Optionally, the means further comprises: a sending module 53.

The sending module 53 is for sending the personalized start page set up by the setup module 52 to the client of each user in a user group so that the clients can present the personalized start page to the corresponding users during start-up.

In an optional implementation, the setup module 52 specifically can be for: using the start page setup request as a basis for presenting a start page upload button to the first user who sent the start page setup request; acquiring the start page uploaded by the first user with the start page upload button and regarding it as the personalized start page of a target user.

In an optional implementation, the setup module 52 specifically can be for: acquiring start page descriptive information based on the start page setup request; generating a personalized start page based on the start page descriptive information.

Furthermore, when acquiring start page descriptive information based on a start page setup request, the setup module 52 is specifically for:

using the start page setup request as a basis for presenting a first information filling page to the first user who sent the start page setup request; acquiring start page descriptive information entered into the first information filling page by the first user. Or:

When acquiring start page descriptive information based on a start page setup request, the setup module 52 is specifically for: acquiring start page descriptive information from the start page setup request.

In an optional implementation, the setup module 52 is further for: setting an expiration date for a personalized start page based on a start page setup request. Correspondingly, the sending module is further for: sending the expiration date for a personalized start page to the client of each user in a user group.

Furthermore, prior to setting an expiration date for a personalized start page based on a start page setup request, the setup module 52 is further for: using a start page setup request as a basis for presenting a second information filling page to the first user who sent the start page setup request; acquiring the personalized start page's expiration date entered into the second filling page by the first user. Or:

Prior to setting an expiration date for a personalized start page based on a start page setup request, the setup module 52 is further for: acquiring the personalized start page's expiration date from the start page setup request.

To aid description, the user that sends the start page setup request to the start page-processing means is called the first user. The first user generally sends a start page setup request to a server through their terminal device. The first user could be any user within the user group or the user group's administrator.

When the app relating to the present embodiment is an enterprise-oriented app, the personalized start page could include at least one of the following types of information: enterprise page, happy birthday information for employees, enterprise icon, and enterprise announcement message.

The start page-processing means provided by the present embodiment is implemented on a server. It receives a start page setup request, learns from the start page setup request of the need to set up a start page for a user group, and thereupon uses the start page setup request as a basis for setting up a personalized start page adapted to the user group. It can set up for a user group a personalized start page that is adapted to it, with the result that the start pages of different user groups can be different. A change from monotonous start pages, this achieves personalized setup of start pages and improves the quality of apps.

In addition, what apps in the prior art display is a single, fixed start page. In contrast, the start page provided by the present embodiment start page-processing means can present users with information relating to the user group. Users no longer find it tedious. On the one hand, it can raise user appreciation,

while on the other hand it puts the start page resource to fuller use and raises the utilization rate of the start page.

FIG. 6 is a structural diagram of a start page-processing means provided by another embodiment of the present application. The start page-processing means can be implemented in a client. As shown in FIG. 6, the means comprises: a determining module 61, an assessing module 62, and a presenting module 63.

The determining module 61 is for determining the user group to which the client-using user belongs during client start-up.

The assessing module 62 is for assessing whether a personalized start page for the user group has been stored locally. Said personalized start page is a start page set up according to a start page setup request and adapted to the user group.

The presenting module 63 is for presenting a personalized start page to the user during client start-up if the assessment result of the assessing module 62 is yes.

In an optional implementation, the means further comprises: a sending module 64 and a receiving module 65.

The sending module 64 is for sending a first acquisition request to the server before the assessing module 62 executes an assessment operation.

The receiving module 65 is for receiving a personalized start page sent back by the server according to the first acquisition request and storing it locally.

In an optional implementation, the assessing module 62 is further for: assessing whether the expiration date of the personalized start page has been reached; and when the assessment result is no, triggering the presenting module 63 to execute the operation of presenting the personalized start page to the user during start-up.

Furthermore, the sending module 64 is further for: sending a second acquisition request to the server before the assessing module 62 assesses whether the expiration date of the personalized start page has been reached. The receiving module 65 is further for: receiving the personalized start page's expiration date sent back by the server according to the second acquisition request.

In an optional implementation, the presenting module 63 is specifically for:

When a user belongs to multiple user groups and the personalized start pages of multiple user groups have been stored locally, one start page from among the personalized start pages of multiple user groups is randomly determined to be the one that serves as the to-be-presented personalized start page, and the to-be-presented personalized start page is presented to the user during start-up. Or:

Upon determining that the user belongs to multiple user groups and that the personalized start pages of multiple user groups are stored locally,

it is determined in accordance with a preset repeating sequence which personalized start page in the sequence of personalized start pages of multiple user groups is the current one to serve as the to-be-presented personalized start page, and the to-be-presented personalized start page is presented to the user during start-up.

For example, the employees of a single enterprise may constitute one user group, or the employees of each different department within the same enterprise could constitute a user group, and so on.

The start page-processing means provided by the present embodiment is implemented in a client and cooperates with the aforesaid start page-processing means implemented on a server. It supports the server in separately setting up personalized start pages for different user groups. During the start-up process, it identifies the user groups to which the user belongs and, when there are personalized start pages of user groups stored locally, presents the user with a personalized start page, with the result that users in different user groups may see different start pages. This achieves personalized setup of start pages and improves app quality.

In addition, what apps in the prior art display is a single, fixed start page. In contrast, the start page presented by the present embodiment start page-processing means can present users with information relating to the user groups to which the users belong. Users no longer find it tedious. On the one hand, it can raise user appreciation, while on the other hand it puts the start page resource to fuller use and raises the utilization rate of the start page.

Persons skilled in the art may clearly understand that, for the sake of descriptive convenience and streamlining, the specific work processes of the systems, means, and units described above can be referenced through the corresponding processes in the aforesaid method embodiments. They will not be discussed further here.

Please understand that, in several embodiments provided by the present application, the disclosed systems, means, and methods may be realized in other ways. For example, the device embodiments described above are merely illustrative. For example, the division into said units is merely a division by logical function. When actually implemented, there may be other forms of division. For example, multiple units or components may be combined or integrated into another system, or some features might be omitted or not executed. In addition, mutual couplings or direct couplings or communication connections that are displayed or discussed may be indirect couplings or communication connections through some interfaces, devices, or units. They may be electrical or mechanical or take another form.

The units described as separate components may or may not be physically separate, and components displayed as units may or may not be physical units. They may be located in one place, or they may be distributed across multiple network units.

The embodiment schemes of the present embodiments can be realized by selecting some or all of the units in accordance with actual need.

In addition, each functional unit in each of the embodiments of the present application may be integrated into a processing unit, or each unit may have an independent physical existence. Or two or more units may be integrated into one unit. The aforesaid integrated units may take the form of hardware, or they may take the form of hardware combined with software function units.

The units described above in which the software function units are integrated may be stored in a computer-readable storage medium. The aforesaid software function units are stored in a storage medium. This includes some commands for causing a computer device (which could be a personal computer, a server, or a network device) or a processor to execute some of the steps in the methods described by the various embodiments of the present application. The storage medium described above encompasses: USB flash drive, mobile hard drive, read-only memory (ROM), random access memory (RAM), magnetic disk or optical disk, or various other media that can store program code.

The final point to be explained is the following: the above embodiments only serve to explain the technical schemes of the present application and not to limit it. Although the present application was explained in detail with reference to the above-described embodiments, persons with ordinary skill in the art should understand that they may modify the technical schemes recorded in the various embodiments described above or provide equivalent substitutions for some of their technical features. Yet these modifications or substitutions do not cause the corresponding technical schemes to substantively depart from the spirit and scope of the technical schemes of the various embodiments of the present application.

CLAIMS

1. A method for processing start pages, characterized in that it comprises:
 - a server receiving a start page setup request, said start page setup request being for commanding the setup of start pages for user groups;
 - said server using said start page setup request as a basis for setting up a personalized start page adapted to said user group.
2. The method as described in claim 1, characterized in that said server using said start page setup request as a basis for setting up a personalized start page adapted to said user group comprises:
 - said server using said start page setup request as a basis for presenting a start page upload button to a first user who sent said start page setup request;
 - said server acquiring a start page uploaded by said first user with said start page upload button and regarding it as said personalized start page of a target user; or
 - said server acquiring start page descriptive information based on said start page setup request;
 - said server generating said personalized start page based on said start page setup request.
3. The method as described in claim 2, characterized in that said server acquiring start page descriptive information based on said start page setup request comprises:
 - said server could use the start page setup request as a basis for presenting a first information filling page to a first user who sent said start page setup request;
 - said server acquiring said start page descriptive information that said first user entered into said first information filling page; or
 - said server acquiring said start page descriptive information from said start page setup request.
4. The method as described in claim 1, characterized in that it further comprises:
 - said server setting up said personalized start page expiration date based on said start page setup request.
5. The method as described in claim 4, characterized in that, prior to said server setting up said personalized start page expiration date based on said start page setup request, it comprises:
 - said server using said start page setup request as a basis for presenting a second information filling page to the first user who sent said start page setup request;

said server acquiring said personalized start page's expiration date that was entered by said first user on said second information filling page; or

said server acquiring said personalized start page's expiration date from said start page setup request.

6. The method as described in any of claims 1 through 5, characterized in that said first user who sends said start page setup request is any user in said user group or said first user who sends said start page setup request is the administrator of said user group.

7. The method as described in any of claims 1 through 5, characterized in that said personalized start page comprises at least one of the following types of information:

enterprise page, happy birthday information for employees, enterprise icon, and enterprise announcement message.

8. A method for processing start pages comprises:

during start-up, a client determining the user group to which the user using said client belongs;

said client assessing whether a personalized start page for said user group is stored locally; said personalized start page is the start page adapted to said user group and set up by a server according to a start page setup request;

if the assessment result is yes, said client presenting said user with said personalized start page during the start-up process.

9. The method as described in claim 8, characterized in that, prior to said client assessing whether a personalized start page for said user group is stored locally, it comprises:

said client sending a first acquisition request to said client;

said client receiving said personalized start page sent back by said server according to said first acquisition request and saving it locally.

10. The method as described in claim 8, characterized in that,

prior to said client presenting said user with said personalized start page during the start-up process, it comprises:

said client assessing whether the expiration date of said personalized start page has been reached;

if the assessment result is no, said client executing the operation of presenting said personalized start page to the user during start-up.

11. The method as described in claim 10, characterized in that, prior to said client assessing whether the expiration date of said personalized start page has been reached,

it comprises:

said client sending a second acquisition request to said server;

said client receiving the expiration date of said personalized start page sent back by said server according to said second acquisition request.

12. The method as described in any of claims 8 through 11, characterized in that when said user belongs to multiple user groups and the personalized start pages of said multiple user groups have been stored locally, the step of said client presenting said personalized start page to said user during start-up specifically is:

said client randomly determines one start page from among the personalized start pages of said multiple user groups to be the one that serves as the to-be-presented personalized start page and presents said to-be-presented personalized start page to said user during start-up; or

in accordance with a preset repeating sequence, said client determines which personalized start page in the sequence of personalized start pages of said multiple user groups is the current one to serve as the to-be-presented personalized start page and presents said to-be-presented personalized start page to said user during start-up.

13. A means for processing start pages, implemented on a server and characterized in that it comprises:

a receiving module, for receiving start page setup requests, said start page setup requests being for commanding start page setup for user groups;

a setup module, for using said start page setup requests as a basis for setting up personalized start pages adapted to said user groups.

14. The means as described in claim 13, characterized in that said setup module is specifically for: using said start page setup request as a basis for presenting a start page upload button to the first user who sent said start page setup request;

acquiring the start page uploaded by said first user with said start page upload button and regarding it as said personalized start page; or

acquiring start page descriptive information based on said start page setup request;

generating said personalized start page based on said start page descriptive information.

15. The means as described in claim 14, characterized in that said setup module specifically is for: using said start page setup request as a basis for presenting a first information filling page to the first user who sent said start page setup request:

acquiring said start page descriptive information entered into said first information filling page by said first user; or

acquiring said start page descriptive information from said start page setup request.

16. The means as described in claim 13, characterized in that

said setup module is further for: setting an expiration date for said personalized start page based on said start page setup request.

17. The means as described in claim 16, characterized in that said setup module is further for:

using said start page setup request as a basis for presenting a second information filling page to the first user who sent said start page setup request;

acquiring said personalized start page's expiration date entered into said second filling page by said first user; or

acquiring said personalized start page's expiration date from said start page setup request.

18. A means for processing start pages, implemented on a server and characterized in that said means comprises:

a determining module, for determining the user group to which the user using said client belongs during said client start-up;

an assessing module, for assessing whether a personalized start page for said user group has been stored locally; said personalized start page is a start page set up according to a start page setup request and adapted to said user group;

a presenting module, for presenting said personalized start page to said user during said client start-up if the assessment result of the assessing module is yes.

19. The means as described in claim 18, characterized in that it further comprises:

a sending module, for sending a first acquisition request to said server;

a receiving module, for receiving said personalized start page sent back by said server according to said first acquisition request and storing it locally.

20. The means as described in claim 19, characterized in that said assessing module is further for:

assessing whether the expiration date of said personalized start page has been reached;
and when the assessment result is no, triggering said presenting module to execute the operation of presenting said personalized start page to said user during start-up.

21. The means as described in claim 20, characterized in that
said sending module is further for: sending a second acquisition request to said server;
said receiving module is further for: receiving the expiration date of said personalized start page sent back by said server according to said second acquisition request.

22. The means as described in any of claims 18 through 21, characterized in that said presenting module is specifically for:

when said user belongs to multiple user groups and the personalized start pages of said multiple user groups have been stored locally, randomly determining one start page from among the personalized start pages of said multiple user groups to be the one that serves as the to-be-presented personalized start page, and presenting said to-be-presented personalized start page to said user during start-up; or

upon determining that said user belongs to multiple user groups and that the personalized start pages of said multiple user groups are stored locally, determining in accordance with a preset repeating sequence which personalized start page in the sequence of personalized start pages of said multiple user groups is the current one to serve as the to-be-presented personalized start page, and presenting said to-be-presented personalized start page to said user during start-up.