

INTERFACE DISPLAY METHOD AND APPARATUS, ELECTRONIC DEVICE, STORAGE MEDIUM, AND PROGRAM PRODUCT

CROSS-REFERENCE TO RELATED APPLICATION(S)

[0001] The present application claims priority to Chinese Patent Application No. 202411537355.4, filed on October 30, 2024, which is incorporated herein by reference in its entirety as a part of the present application.

TECHNICAL FIELD

[0002] Embodiments of the present disclosure relate to an interface presentation method, an apparatus, an electronic device, a storage medium, and a program product.

BACKGROUND

[0003] In some applications, a user may be supported to edit elements added to a presentation interface in an element editing interface of the presentation interface, for example, add elements to the presentation interface. However, in some embodiments, the elements presented in the presentation interface and interaction manners of the elements are relatively monotonous.

SUMMARY

[0004] Embodiments of the present disclosure provide an interface presentation method, an apparatus, an electronic device, a storage medium, and a program product to enrich elements presented in an interface and interaction manners of the elements.

[0005] In a first aspect, embodiments of the present disclosure provide an interface presentation method, including:

[0006] presenting a preset interface in response to an interface presentation operation for the preset interface, and presenting at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and

[0007] performing an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

[0008] In a second aspect, embodiments of the present disclosure further provide an interface presentation apparatus, including:

[0009] an element recommendation module, configured to present a preset interface in response to an interface presentation operation for the preset interface, and present at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and

- [0010] an event execution module, configured to perform an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.
- [0011] In a third aspect, embodiments of the present disclosure further provide an electronic device, including:
- [0012] one or more processors; and
- [0013] a memory, configured to store one or more programs,
- [0014] the one or more programs, when executed by the one or more processors, cause the one or more processors to implement the interface presentation method according to the embodiments of the present disclosure.
- [0015] In a fourth aspect, embodiments of the present disclosure further provide a computer-readable storage medium, on which a computer program is stored. The program, when executed by a processor, implements the interface presentation method according to the embodiments of the present disclosure.
- [0016] In a fifth aspect, embodiments of the present disclosure further provide a computer program product. The computer program product, when executed by a computer, cause the computer to implement the interface presentation method according to the embodiments of the present disclosure.

BRIEF DESCRIPTION OF DRAWINGS

- [0017] The foregoing and other features, advantages, and aspects of the embodiments of the present disclosure become more apparent with reference to the following specific implementations and in conjunction with the drawings. Throughout the drawings, the same or similar reference numerals denote the same or similar elements. It should be understood that the drawings are schematic and that parts and elements are not necessarily drawn to scale.
- [0018] Fig. 1 is a schematic flowchart of an interface presentation method according to embodiments of the present disclosure;
- [0019] Fig. 2 is a schematic diagram of presentation of a preset interface according to embodiments of the present disclosure;
- [0020] Fig. 3 is a schematic diagram of presentation of another preset interface according to embodiments of the present disclosure;
- [0021] Fig. 4 is a schematic diagram of a presentation process of a preset interface according to embodiments of the present disclosure;
- [0022] Fig. 5 is a schematic diagram of presentation of still another preset interface according to embodiments of the present disclosure;
- [0023] Fig. 6 is a schematic flowchart of another interface presentation method according to embodiments of the present disclosure;

[0024] Fig. 7 is a schematic diagram of a presentation process of an element preview image according to embodiments of the present disclosure;

[0025] Fig. 8 is a schematic diagram of presentation of an element preview image according to embodiments of the present disclosure;

[0026] Fig. 9 is a block diagram of an interface presentation apparatus according to embodiments of the present disclosure; and

[0027] Fig. 10 is a schematic diagram of a structure of an electronic device according to embodiments of the present disclosure.

DETAILED DESCRIPTION

[0028] The embodiments of the present disclosure are described in more detail below with reference to the drawings. Although some embodiments of the present disclosure are shown in the drawings, it should be understood that the present disclosure may be implemented in various forms and should not be construed as being limited to the embodiments set forth herein. Instead, these embodiments are provided for more thorough and complete understanding of the present disclosure. It should be understood that the drawings and embodiments of the present disclosure are only used for illustrative purposes, and are not used to limit the protection scope of the present disclosure.

[0029] It should be understood that the various steps described in the method implementations of the present disclosure may be executed in different orders and/or in parallel. In addition, the method implementations may include additional steps and/or omit the execution of the steps shown. The scope of the present disclosure is not limited in this respect.

[0030] As used herein, the term “include/comprise” and its variations are open-ended inclusions, that is, “include/comprise but not limited to”. The term “based on” is “at least partially based on”. The term “an embodiment” means “at least one embodiment”. The term “another embodiment” means “at least one other embodiment”. The term “some embodiments” means “at least some embodiments”. Relevant definitions of other terms are given in the following description.

[0031] It should be noted that the concepts such as “first” and “second” mentioned in the present disclosure are only used to distinguish different apparatuses, modules, or units, and are not used to limit the order of functions performed by these apparatuses, modules, or units, or interdependence therebetween.

[0032] It should be noted that the modifications of “one” and “multiple” mentioned in the present disclosure are illustrative and not restrictive, and those skilled in the art should understand that unless otherwise clearly indicated in the context, they should be understood as “one or more”.

[0033] The names of messages or information exchanged between multiple apparatuses in the implementations of the present disclosure are only used for illustrative purposes, and are not used to limit the scope of these messages or information.

[0034] It may be understood that the data involved in the technical solution (including but not limited to the data itself, acquisition or use of the data) should comply with requirements of corresponding laws, regulations, and related provisions.

[0035] Fig. 1 is a schematic flowchart of an interface presentation method according to embodiments of the present disclosure. The method may be executed by an interface presentation apparatus, where the apparatus may be implemented in software and/or hardware, and may be configured in an electronic device, for example, a computer, a mobile phone, or a tablet computer. The interface presentation method provided by the embodiments of the present disclosure is applicable to a scenario of presenting, in an interface, an interface element that is recommended to be added by a user and that corresponds to the user. As shown in Fig. 1, the interface presentation method provided by the embodiment of the present disclosure includes the following steps.

[0036] In S101, presenting a preset interface in response to an interface presentation operation for the preset interface, and presenting at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface.

[0037] The interface presentation operation may be a trigger operation used to indicate presentation of an interface. An execution manner of the interface presentation operation is not limited. Exemplarily, the interface presentation operation may be an operation of triggering an interface presentation control corresponding to the interface, or an operation of performing a preset slide gesture used to indicate presentation of the interface. The preset interface may be understood as an interface whose presentation is indicated by the interface presentation operation. Exemplarily, the preset interface may be an interface that supports a user to edit elements presented in the interface.

[0038] The current account may be understood as an account which is currently logged in on a current application. The current application may be understood as an application that executes the interface presentation method provided by the embodiment of the present disclosure, for example, an application to which the interface presentation operation is applied. The recommended element may be understood as an element that corresponds to the current account and that is recommended to be added to the preset interface. In other words, the recommended element corresponds to the current account; and the current user has not yet added the recommended element to the preset interface, for example, the current user has not yet added the recommended element to the preset interface for presentation by performing an element adding operation.

[0039] Specifically, when the interface presentation operation for the preset interface is received, in response to the interface presentation operation, at least one recommended element 20 that corresponds to the current account and that is recommended to be added to the preset interface may be acquired from elements to be added of the preset interface, the preset interface is presented, and the acquired recommended

element 20 is presented in the preset interface, as shown in Fig. 2 and Fig. 3, for the current user to view and/or perform interaction based on the presented recommended element 20.

[0040] In the present embodiment, the recommended element presented in the preset interface corresponds to the current account, and a manner of determining the recommended element is not limited. Exemplarily, the recommended element may be determined based on an account feature of the current account. In some examples, the recommended element may be determined according to a count of times of use of an element (for example, a count of times of triggering of the element) of the current account. For example, elements to be added that have not yet been added to the preset interface by the current user and the count of times of use of each of the elements to be added by the current account within a preset time length may be obtained, and an element to be added whose count of times of use satisfies a preset condition may be selected, for example, an element to be added whose count of times of use is greater than or equal to a preset count threshold may be selected, or M elements to be added (M is a positive integer) with the greatest count of times of use may be selected as recommended elements. The preset time length, the preset count threshold, M, and the like may be flexibly set as required. For example, the preset time length may be set to a time length of 15 days, 30 days, 60 days, etc., the preset count threshold may be set to a value such as 15, 20, or 30, and/or M may be set to a value such as 1, 2, or 3, which are not limited in the present embodiment.

[0041] A timing of determining or updating the recommended element based on the account feature of the current account is not limited. For example, each time the interface presentation operation for the preset interface is received, the recommended element presented in the preset interface may be re-determined or updated based on the account feature of the current account. Alternatively, an update period of the recommended element may be preset, and when the update period is reached, the recommended element presented in the preset interface may be re-determined or updated based on the account feature of the current account.

[0042] It should be noted that the recommended element presented in the preset interface is an element that is determined based on the account feature of the current account and that may be supported to be added to the preset interface or deleted from the preset interface. When accounts logged in on the current application are different, the recommended element may be different. In some examples, an element actively added to the preset interface by the current user by performing an element adding operation and/or a default element of the preset interface may also be presented in the preset interface. The default element may be understood as an element that is included in the preset interface by default, and may be preset by a service provider. For example, the default element may or may not support the user to move it out of the preset interface. In addition, when the accounts logged in on the current application are different, the default element is generally the same. In addition, when the preset interface is initially presented in response to the presentation operation for the preset interface, the recommended element may be presented within a visible region of a screen, or may not be presented within the visible region of the screen. In the case where the recommended element is not presented within the visible region of the screen when the preset interface is

initially presented, the recommended element may be presented within the visible region of the screen based on a page content switching operation (for example, a vertical sliding operation) of the current user in the preset interface.

[0043] In the present embodiment, a presentation form of the recommended element in the preset interface may be set as required. Optionally, the step in which the at least one recommended element corresponding to the current account is presented in the preset interface includes at least one selected from a group consisting of the following: presenting the at least one recommended element corresponding to the current account in the preset interface by using a first presentation form, where the first presentation form is a presentation form of an added element; and presenting the at least one recommended element corresponding to the current account in the preset interface by using a second presentation form, where the second presentation form is a presentation form of an element to be added.

[0044] The added element may be understood as an added element in the preset interface, in other words, an element that has been added to the preset interface. The added element may remain present in the preset interface. If the user does not perform an element deletion operation on the added element in the preset interface, the added element in the preset interface generally does not disappear from the preset interface with a change in the account feature of the current account. The element to be added may be understood as an element to be added to the preset interface. In other words, the element to be added may be an element that supports being added to the preset interface but that has not yet been added to the preset interface in the form of the added element. With the change in the account feature or the likes of the current account, the element to be added that is presented in the preset interface may disappear from the preset interface.

[0045] Exemplarily, the recommended element corresponding to the current account may be automatically added to the preset interface, and when the preset interface is presented, the automatically added recommended element may be presented in the preset interface in the presentation form of the added element. That is, the recommended element may be presented as the added element in the preset interface, as shown in Fig. 2, without requiring the user to perform an addition operation on the recommended element, operations that need to be performed by the user is further simplified. Alternatively, the recommended element corresponding to the current account may not be automatically added as the added element in the preset interface. For example, when the preset interface is presented, the recommended element may be presented in the preset interface in the presentation form of the element to be added, as shown in Fig. 3. After the addition operation of the user for the recommended element is received, the recommended element is added as the added element in the preset interface, so that the added element in the preset interface better meets a real addition intention of the user, thereby improving the usability of the added element in the preset interface.

[0046] In the present embodiment, an interface type of the preset interface is not limited. For example, the preset interface may be a full-screen page or a non-full-screen page. The full-screen page may be a page presented in full screen on a screen. The non-full-screen page may be understood as an interface other than

the full-screen page, such as a panel, a window, a list, or a half-screen page. In some exemplary implementations, the preset interface may be a sidebar interface of the preset interface, and the sidebar interface may be understood as a vertically distributed interface located on one side of the preset interface. Taking the preset interface being a left sidebar interface of the preset interface as an example, exemplarily, as shown in a first diagram in Fig. 4, a preset interface presentation control 40 may be presented in the preset interface; and when it is detected that the current user triggers the preset interface presentation control 40, or when it is detected that the current user swipes rightwards in the preset interface, the preset interface may be presented on an upper layer of a layer in which the preset interface is located, as shown in a second diagram in Fig. 4.

[0047] In S102, performing an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

[0048] The preset trigger operation may be a trigger operation for the recommended element, such as an operation of triggering a control, or content or a region that supports triggering, in the recommended element.

[0049] In the present embodiment, whether the recommended element is presented in the form of the added element or in the form of the element not added in the preset interface, the user is supported to trigger the recommended element presented in the preset interface to simplify operations that need to be performed by the user to perform interaction based on the element that has not been added to the preset interface.

[0050] Specifically, when the preset trigger operation for the recommended element is received, for example, when it is detected that the current user triggers a control, content, or a region in a recommended element, the interaction event corresponding to the recommended element may be performed based on the preset trigger operation. Here, specific event content of the performed interaction event is not limited.

[0051] According to the interface presentation method provided by the present embodiment, the preset interface is presented in response to the interface presentation operation for the preset interface, and the at least one recommended element corresponding to the current account is presented in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and the interaction event corresponding to the recommended element is performed in response to the preset trigger operation for the recommended element. According to the technical solution described above, the present embodiment supports presenting at least some elements, which correspond to the current account and that have not been actively added to the preset interface by the user, in the form of the recommended element in the preset interface, and supports the user to perform interaction based on the recommended element presented in the preset interface. Thus, the user may view the element that has not been actively added and that corresponds to the user in the preset interface, and perform interaction based on the element. Compared with the technical solution in some embodiments where the user needs to switch to the element editing interface of the preset interface to view the interface element that has not been actively added to the preset interface, and needs to add the element to the preset interface by performing the element addition operation in the element editing interface before being able to perform interaction based on the added

element in the preset interface, the present embodiment is able to enrich the elements presented in the preset interface and the interaction manners of the elements, reduce the operations that need to be performed to view the element not added and perform the interaction based on the element not added, and improve the usability of the presented recommended element.

[0052] In some embodiments, after the at least one recommended element corresponding to the current account is presented in the preset interface by using the first presentation form, the method further includes: deleting a first recommended element from the preset interface in response to an element deletion operation for the first recommended element in the preset interface, where the first recommended element is presented by using the first presentation form.

[0053] The element deletion operation may be understood as an operation used to indicate deletion of the recommended element from the preset interface. The element deletion operation may be applied to the preset interface, and an execution manner thereof is not limited. Optionally, a deletion control is presented in association with the recommended element presented by using the first presentation form, and the deletion control is configured to trigger execution of the element deletion operation for the recommended element. For example, when the recommended element is presented in the preset interface in the form of the added element, the deletion control may be presented in association with the recommended element, and the deletion control may be used to trigger execution of the element deletion operation for the recommended element. The first recommended element may be a recommended element corresponding to the element deletion operation in the preset interface, that is, a recommended element whose deletion from the preset interface is indicated by the element deletion operation.

[0054] Exemplarily, when the element deletion operation for a recommended element (for example, the first recommended element) in the preset interface is received, for example, when it is detected that the current user triggers a deletion control that is presented in the preset interface and that corresponds to the recommended element, the recommended element may be deleted from the preset interface.

[0055] In the present embodiment, the user may be supported to delete one or more recommended elements automatically added to the preset interface by performing the element deletion operation in the preset interface, without the need to switch to the element editing interface of the preset interface for deletion, which may simplify the operations that need to be performed to edit the recommended element presented in the preset interface.

[0056] In some embodiments, after the at least one recommended element corresponding to the current account is presented in the preset interface by using the second presentation form, the method further includes: switching a second recommended element from the second presentation form to the first presentation form in response to an element addition operation for the second recommended element in the preset interface.

[0057] The first element addition operation may be understood as an operation used to indicate that a recommended element presented in the form of the element not added in the preset interface is added as the

added element in the preset interface. The element addition operation may be applied to the preset interface, and an execution manner thereof is not limited. Optionally, an addition control is presented in association with the recommended element presented by using the second presentation form, and the addition control is configured to trigger execution of the element addition operation for the recommended element. For example, when the recommended element is presented in the preset interface in the form of the element to be added, the addition control may be presented in association with the recommended element, and the addition control may be used to trigger execution of the element addition operation for the recommended element. The second recommended element may be a recommended element corresponding to the element addition operation in the preset interface, that is, a recommended element that is indicated to be added to the preset interface by the element addition operation.

[0058] Specifically, when the element addition operation for a recommended element 20 (for example, the second recommended element) in the preset interface is received, for example, when it is detected that the current user triggers an addition control 30 corresponding to the recommended element 20 presented by using the second presentation form (as shown in Fig. 3), the recommended element 20 may be added as an added element 21 of the preset interface, for example, a presentation form of the recommended element 20 is switched from the second presentation form to the first presentation form, as shown in Fig. 5 (in Fig. 5, triggering of the addition control 30 corresponding to the recommended element 1 is used as an example).

[0059] With continued reference to Fig. 3 and Fig. 5, when a recommended element is switched from the second presentation form to the first presentation form, exemplarily, a presentation style of the recommended element may be switched from a presentation style of an element to be added to a presentation style of an added element, for example, a style of an element background, content included in the element, or the like of the recommended element is switched to a style of the added element, and/or presentation of a recommendation element corresponding to the recommended element is canceled; and/or the recommended element is moved from a region of elements to be added of the preset interface to a region of added elements of the preset interface for presentation. In this case, optionally, the step in which the second recommended element is switched from the second presentation form to the first presentation form includes at least one selected from a group consisting of the following: switching the second recommended element from the presentation style of the element to be added to the presentation style of the added element; and moving the second recommended element from the region of the elements to be added of the preset interface to the region of the added elements of the preset interface for presentation. The region of elements to be added may be understood as a region for presenting recommended elements to be added. The region of added elements may be understood as a region for presenting added elements in the preset interface. A presentation position of the second recommended element in the region of added elements is not limited. For example, the second recommended element may be moved to a position of a first or last added element in the region of added elements for presentation.

- [0060] In the present embodiment, the user may be supported to add the recommended element presented in the preset interface as the added element of the preset interface by performing the element addition operation in the preset interface, without the need to switch to the element editing interface of the preset interface for addition, which may simplify the operations that need to be performed to edit the recommended element presented in the preset interface.
- [0061] Fig. 6 is a schematic flowchart of another interface presentation method according to embodiments of the present disclosure. The solution in the present embodiment may be combined with one or more optional solutions in the above embodiment. Optionally, after the preset interface is presented, the method further includes: presenting an element editing interface of the preset interface in response to an element editing operation applied to the preset interface, where the element editing interface includes a first interface region and a second interface region, the first interface region is used to present element information of added elements in the preset interface, and the second interface region is used to present element information or an element preview image of an element to be added of the preset interface.
- [0062] Correspondingly, as shown in Fig. 3, the interface presentation method provided by the present embodiment includes the following steps.
- [0063] In S201, presenting a preset interface in response to an interface presentation operation for the preset interface, presenting at least one recommended element corresponding to a current account in the preset interface, and performing S202 and/or S203, where the recommended element is an interface element recommended to be added to the preset interface.
- [0064] In S202, performing an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.
- [0065] In S203, presenting an element editing interface of the preset interface in response to an element editing operation applied to the preset interface, where the element editing interface includes a first interface region and a second interface region, the first interface region is used to present element information of added elements in the preset interface, the second interface region is used to present element information or an element preview image of an element to be added of the preset interface, the element information of the element to be added supports performing an element preview operation, and the element preview operation is used to indicate presentation of an element preview image of the element to be added.
- [0066] The element editing operation may be understood as a trigger operation used to indicate presentation of the element editing interface of the preset interface. An execution manner of the element editing operation is not limited. Exemplarily, the element editing operation may be an operation of triggering an element editing control presented in the preset interface or performing a preset element editing gesture, or the like. The element editing interface may be understood as an interface used to edit elements added to the preset interface. The element editing interface may include the first interface region and the second interface region. The first interface region may be used to present the element information of the added elements in the preset interface, and the second interface region may be used to present element information

and/or element preview images of elements to be added that have not yet been added to the preset interface. Exemplarily, the element information may include identification information of the elements. The element information may support the user to perform the element preview operation for the corresponding element. For example, the element information may be configured to trigger execution of the element preview operation for the corresponding element, and/or an element preview control may be presented in association with the element information, and the element preview control may be configured to trigger execution of the element preview operation for the corresponding element. The element preview image may be a preview image of an element during presentation, for example, a presentation image of the element. The element preview operation may be an operation of indicating presentation of the element preview image of the element to be added, such as an operation of triggering an element preview control that is presented in the element editing interface and that corresponds to the element to be added, or the like.

[0067] Exemplarily, when the element editing operation applied to the preset interface is received, for example, when it is detected that the current user triggers an element editing control 22 (as shown in Fig. 2 and Fig. 3) in the preset interface, the element editing interface of the preset interface may be presented, element information of the added elements of the preset interface is presented in the first interface region of the element editing interface, and element information and/or element preview images of the elements to be added of the preset interface are presented in the second interface region of the element editing interface, as shown in a first diagram of Fig. 7 and Fig. 8.

[0068] In some implementations, in the case where the element information of the elements to be added is presented in the element editing interface, but the element preview images of the elements to be added are not presented, the user may also be supported to view the element preview images of the elements to be added based on the element information of the elements to be added presented in the element editing interface, to satisfy a preview requirement of the user for the elements to be added. For example, when an element preview operation based on element information of an element to be added that is presented in the element editing interface is received, an element preview image of the element to be added may be presented in response to the element preview operation. In this case, optionally, after the element editing interface of the preset interface is presented, the method further includes: presenting an element preview image of an element to be added corresponding to an element preview operation in response to the element preview operation based on the element information of the element to be added.

[0069] In the above implementation, a presentation position of the element preview image of the element to be added is not limited. For example, the element preview image of the element to be added may be additionally presented in the element editing interface, for example, the element information of the element to be added is switched to present the element preview image of the element to be added, and/or a presentation region of the element information of the element to be added is enlarged, and the element preview image of the element to be added is additionally presented in the enlarged presentation region, etc.; or an element preview panel of the element to be added may be presented, and the element preview image

of the element to be added is presented in the element preview panel. The element preview panel may be understood as a panel used to present the element preview image to preview the corresponding element to be added.

[0070] Using an example in which the element preview image of the element to be added is presented in the element preview panel of the element to be added, exemplarily, the element preview image of the element to be added may be presented in the element preview panel, and function introduction information of the element to be added may or may not be presented in the element preview panel. Optionally, the function introduction information of the element to be added may be further presented in the element preview panel, so as to facilitate understanding of a function of the element to be added by the current user. In this case, optionally, after the element editing interface of the preset interface is presented, the method further includes: presenting an element preview panel of an element to be added corresponding to an element addition operation in response to an element preview operation based on the element information of the element to be added, where the element preview panel includes a first panel region and a second panel region, the first panel region is used to present an element preview image of the element to be added corresponding to the element addition operation, and the second panel region is used to present function introduction information of the element to be added corresponding to the element addition operation.

[0071] The first panel region may be a region in the element preview panel that is used to present the element preview image. The second panel region may be a region in the element preview panel that is used to present the function introduction information. The function introduction information may be understood as information used to introduce the function of the element to be added.

[0072] In some optional examples, as shown in the first diagram in Fig. 7, the element information of the added elements in the preset interface may be presented in the first interface region of the element editing interface, and the element information of the elements to be added in the preset interface and element preview controls 70 may be presented in the second interface region of the element editing interface. When it is detected that the current user triggers an element preview control 70 of an element to be added, it may be determined that the element preview operation for the element to be added is received, and in response to the element preview operation, an element preview panel 71 of the element to be added is presented, an element preview image 72 of the element to be added is presented in the first panel region of the element preview panel 71, and function introduction information of the element to be added is presented in the second panel region of the element preview panel 71, as shown in a second diagram in Fig. 7 (in Fig. 7, triggering of the element preview control 70 corresponding to the element $n + 1$ is used as an example).

[0073] In the present embodiment, the user may also be supported to perform an element addition operation corresponding to an element to be added in the element editing interface or the element preview panel to add the corresponding element to be added to the preset interface. Exemplarily, as shown in Fig. 7 and Fig. 8, element addition controls 73 corresponding to the elements to be added may be presented in the element editing interface, and/or the element addition controls 73 corresponding to the corresponding elements to

be added may be presented in the element preview panel. Thus, when it is detected that the current user triggers an element addition control 73 that is presented in the element editing interface or the element preview interface and that corresponds to an element to be added, it may be determined that an element addition operation for the element to be added is received, and in response to the element addition operation, the element to be added is added to the preset interface, for example, after being added to the preset interface, the element to be added is presented in the form of the added element in the preset interface and the element editing interface.

[0074] In addition, the user may also be supported to perform an element deletion operation and/or a sequence adjustment operation corresponding to an added element in the element editing interface to delete the corresponding added element from the preset interface or adjust a presentation sequence of the added elements in the preset interface. Exemplarily, with continued reference to Fig. 7 and Fig. 8, element deletion controls 74 and/or sequence adjustment controls 75 corresponding to the added elements may be presented in the element editing interface. Thus, when it is detected that the current user triggers an element deletion control 74 that is presented in the element editing interface and that corresponds to an added element, it may be determined that an element deletion operation for the added element is received, and in response to the element deletion operation, the added element is deleted from the preset interface, for example, after being deleted from the preset interface, the added element is presented in the form of the element to be added in the element editing interface. When a drag operation applied to a sequence adjustment control 75 that is presented in the element editing interface and corresponds to an added element is detected, it may be determined that a sequence adjustment operation for the added element is received, and in response to the sequence adjustment operation, element information of the added element is controlled to move with the sequence adjustment operation to adjust an order of the element information of the added elements in the element editing interface, and after the sequence adjustment operation is completed, the presentation sequence of the added elements in the preset interface is adjusted according to the order of the element information of the added elements in the element editing interface.

[0075] In the present embodiment, a preview image of each element may be preset, so that when an element preview image of an element to be added needs to be presented, a preview image that is preset (that is, a preset preview image) of the element to be added may be obtained and presented, to reduce the operations that need to be performed to present the preview image. Alternatively, when the element preview image of the element to be added needs to be presented, a real-time preview image of the element to be added may also be presented, for example, a real-time preview image of the element to be added is generated according to element content of the element to be added that currently needs to be presented, and the real-time preview image is presented, to improve a preview effect of the element to be added. In addition, in some examples, in the case where the real-time preview image of the element to be added is presented, the real-time preview image may support the user to perform interaction, for example, support the user to trigger execution of an interaction event corresponding to the corresponding element to be added based on the real-

time preview image. In this case, optionally, the element preview image of the element to be added is a preset preview image or a real-time preview image of the element to be added, and the real-time preview image supports triggering execution of the interaction event corresponding to the element to be added.

[0076] According to the interface presentation method provided by the present embodiment, the element preview image of the element to be added is supported to be presented in the element editing interface, or presentation of the element preview image of the element to be added is triggered based on the element content of the element to be added presented in the element editing interface, so that preview manners of the element to be added may be further enriched, and a preview requirement of the user for the element to be added may be satisfied.

[0077] Fig. 9 is a block diagram of an interface presentation apparatus according to embodiments of the present disclosure. The apparatus may be implemented in software and/or hardware, and may be configured in an electronic device, for example, a computer, a mobile phone, or a tablet computer. The apparatus may be configured to present, in an interface, an interface element that is recommended to be added by a user and corresponds to the user by performing an interface presentation method. As shown in Fig. 9, the interface presentation apparatus provided by the present embodiment includes:

[0078] an element recommendation module 901, which is configured to present a preset interface in response to an interface presentation operation for the preset interface, and present at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and

[0079] an event execution module 902, which is configured to perform an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

[0080] According to the interface presentation apparatus provided by the present embodiment, the element recommendation module presents the preset interface in response to the interface presentation operation for the preset interface, and presents the at least one recommended element corresponding to the current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and the event execution module performs the interaction event corresponding to the recommended element in response to the preset trigger operation for the recommended element. According to the technical solution described above, the present embodiment supports presenting at least some elements, which correspond to the current account and that have not been actively added to the preset interface by the user, in the form of the recommended element in the preset interface, and supports the user to perform interaction based on the recommended element presented in the preset interface. Thus, the user may view the element that has not been actively added and that corresponds to the user in the preset interface, and perform interaction based on the element. Compared with the technical solution in some embodiments where the user needs to switch to the element editing interface of the preset interface to view the interface element that has not been actively added to the preset interface, and needs to add the element to the preset

interface by performing the element addition operation in the element editing interface before being able to perform interaction based on the added element in the preset interface, the present embodiment is able to enrich the elements presented in the preset interface and the interaction manners of the elements, reduce the operations that need to be performed to view the element not added and perform the interaction based on the element not added, and improve the usability of the presented recommended element.

[0081] Optionally, the element recommendation module 901 may be configured to perform at least one selected from a group consisting of the following: presenting the at least one recommended element corresponding to the current account in the preset interface by using a first presentation form, where the first presentation form is a presentation form of an added element; and presenting the at least one recommended element corresponding to the current account in the preset interface by using a second presentation form, where the second presentation form is a presentation form of an element to be added.

[0082] Further, the interface presentation apparatus may further include an element deletion module. The element deletion module is configured to, after the at least one recommended element corresponding to the current account is presented in the preset interface by using the first presentation form, delete a first recommended element from the preset interface in response to an element deletion operation for the first recommended element in the preset interface, where the first recommended element is presented by using the first presentation form.

[0083] Further, the interface presentation apparatus may further include an element addition module. The element addition module is configured to, after the at least one recommended element corresponding to the current account is presented in the preset interface by using the second presentation form, switch a second recommended element from the second presentation form to the first presentation form in response to an element addition operation for the second recommended element in the preset interface.

[0084] Optionally, the element addition module is further configured to perform at least one selected from a group consisting of the following: switching the second recommended element from a presentation style of an element to be added to a presentation style of an added element; and moving the second recommended element from a region of elements to be added of the preset interface to a region of added elements of the preset interface for presentation.

[0085] Optionally, a deletion control is presented in association with the recommended element presented by using the first presentation form, and the deletion control is configured to trigger execution of the element deletion operation for the recommended element; and/or an addition control is presented in association with the recommended element presented by using the second presentation form, and the addition control is configured to trigger execution of an element addition operation for the recommended element.

[0086] Further, the interface presentation apparatus may further include an editing interface presentation module. The editing interface presentation module is configured to, after the preset interface is presented, present an element editing interface of the preset interface in response to an element editing operation applied to the preset interface, where the element editing interface includes a first interface region and a

second interface region, the first interface region is used to present element information of added elements in the preset interface, the second interface region is used to present element information or an element preview image of an element to be added of the preset interface, the element information of the element to be added supports performing an element preview operation, and the element preview operation is used to indicate presentation of the element preview image of the element to be added.

[0087] Further, the interface presentation apparatus may further include a preview panel presentation module. The preview panel presentation module is configured to, after the element editing interface of the preset interface is presented, present an element preview panel of an element to be added corresponding to an element addition operation in response to an element preview operation based on the element information of the element to be added, where the element preview panel includes a first panel region and a second panel region, the first panel region is used to present an element preview image of the element to be added corresponding to the element addition operation, and the second panel region is used to present function introduction information of the element to be added corresponding to the element addition operation.

[0088] Optionally, the element preview image of the element to be added is a preset preview image or a real-time preview image of the element to be added, and the real-time preview image supports triggering execution of an interaction event corresponding to the element to be added.

[0089] The interface presentation apparatus provided by the embodiments of the present disclosure may perform the interface presentation method provided by any embodiment of the present disclosure, and has corresponding functional modules and beneficial effects for performing the interface presentation method. For the technical details not described in detail in the present embodiment, reference may be made to the interface presentation method provided by any embodiment of the present disclosure.

[0090] Reference is made to Fig. 10 below, which illustrates a schematic diagram of a structure of an electronic device (for example, a terminal device) 1000 applicable to implementing the embodiments of the present disclosure. The terminal device in the embodiments of the present disclosure may include, but is not limited to, mobile terminals such as a mobile phone, a notebook computer, a digital broadcast receiver, a personal digital assistant (PDA), a tablet computer (PAD), a portable multimedia player (PMP), and a vehicle-mounted terminal (for example, a vehicle navigation terminal), and fixed terminals such as a digital TV and a desktop computer, etc. The electronic device shown in Fig. 10 is merely an example, and shall not impose any limitation on the function and scope of use of the embodiments of the present disclosure.

[0091] As shown in Fig. 10, the electronic device 1000 may include a processing apparatus (such as a central processing unit, a graphics processing unit, and the like) 1001, which may perform various appropriate actions and processing according to a program stored in a read-only memory (ROM) 1002 or a program loaded from a storage apparatus 1008 into a random access memory (RAM) 1003. The RAM 1003 further stores various programs and data required for operations of the electronic device 1000. The processing apparatus 1001, the ROM 1002, and the RAM 1003 are interconnected by means of a bus 1004. An input/output (I/O) interface 1005 is also connected to the bus 1004.

[0092] Usually, the I/O interface 1005 may be connected with: an input apparatus 1006 including, for example, a touch screen, a touchpad, a keyboard, a mouse, a camera, a microphone, an accelerometer, and a gyroscope, etc.; an output apparatus 1007 including, for example, a liquid crystal display (LCD), a loudspeaker, and a vibrator, etc.; a storage apparatus 1008 including, for example, a magnetic tape and a hard disk, etc.; and a communication apparatus 1009. The communication apparatus 1009 may allow the electronic device 1000 to be in wireless or wired communication with other devices to exchange data. Although Fig. 10 shows the electronic device 1000 with various apparatuses, it should be understood that not all the apparatuses shown herein need to be implemented or provided. More or fewer apparatuses may be implemented or provided alternatively.

[0093] In particular, according to the embodiments of the present disclosure, the process described above with reference to the flowchart may be implemented as a computer software program. For example, the embodiments of the present disclosure include a computer program product, which includes a computer program carried by a non-transitory computer-readable medium, where the computer program contains program code for performing the method shown in the flowchart. In such an embodiment, the computer program may be downloaded and installed from a network via the communication apparatus 1009, or installed from the storage apparatus 1008, or installed from the ROM 1002. When the computer program is executed by the processing apparatus 1001, the functions defined in the method of the embodiments of the present disclosure are executed.

[0094] It should be noted that the computer-readable medium in the present disclosure may be a computer-readable signal medium, a computer-readable storage medium, or any combination thereof. The computer-readable storage medium may be, for example, but not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, device, or any combination thereof. More specific examples of the computer-readable storage medium may include, but are not limited to, an electrical connection with one or more wires, a portable computer magnetic disk, a hard disk, a random access memory (RAM), a read-only memory (ROM), an erasable programmable read-only memory (EPROM or flash memory), an optical fiber, a portable compact disc read-only memory (CD-ROM), an optical storage device, a magnetic storage device, or any suitable combination thereof. In the present disclosure, the computer-readable storage medium may be any tangible medium that contains or stores a program, and the program may be used by or in combination with an instruction execution system, apparatus, or device. In the present disclosure, the computer-readable signal medium may include a data signal propagated on a baseband or as a part of a carrier, and computer-readable program code is carried therein. The data signal propagated in this manner may be in multiple forms, and includes, but is not limited to, an electromagnetic signal, an optical signal, or any suitable combination thereof. The computer-readable signal medium may also be any computer-readable medium other than the computer-readable storage medium, and the computer-readable signal medium may send, propagate, or transmit the program used by or in combination with the instruction execution system, apparatus, or device. The program code contained on the computer-readable medium may

be transmitted in any suitable medium, including, but not limited to, a wire, an optical cable, a radio frequency (RF), or any suitable combination thereof.

[0095] In some implementations, the client and the server may communicate using any currently known or future developed network protocol, such as the HyperText Transfer Protocol (HTTP), and may be interconnected with any form or medium of digital data communication (for example, a communication network). Examples of the communication network include a local area network (“LAN”), a wide area network (“WAN”), an internet (for example, the Internet), a peer-to-peer network (for example, an Ad-Hoc network), and any network currently known or to be developed in the future.

[0096] The computer-readable medium may be contained in the electronic device, or may exist alone without being assembled into the electronic device.

[0097] The computer-readable medium carries one or more programs, and when the one or more programs are executed by the electronic device, the electronic device performs the following operations: presenting a preset interface in response to an interface presentation operation for the preset interface, and presenting at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and performing an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

[0098] The computer program code for performing the operations of the present disclosure may be written in one or more programming languages or a combination thereof, where the programming languages include, but are not limited to, an object-oriented programming language, such as Java, Smalltalk, and C++, and further include conventional procedural programming languages, such as “C” language or similar programming languages. The program code may be completely executed on a computer of a user, partially executed on a computer of a user, executed as an independent software package, partially executed on a computer of a user and partially executed on a remote computer, or completely executed on a remote computer or server. In the case involving the remote computer, the remote computer may be connected to the computer of the user through any kind of network, including a local area network (LAN) or a wide area network (WAN), or may be connected to an external computer (for example, connected through the Internet with the aid of an Internet service provider).

[0099] The flowcharts and block diagrams in the drawings illustrate the possibly implemented architectures, functions, and operations of the system, the method, and the computer program product according to various embodiments of the present disclosure. In this regard, each block in the flowchart or block diagram may represent a module, program segment, or part of code, and the module, program segment, or part of code contains one or more executable instructions for implementing the specified logical functions. It should also be noted that, in some alternative implementations, the functions marked in the blocks may also occur in an order different from that marked in the drawings. For example, two blocks shown in succession may actually be performed substantially in parallel, or they may sometimes be performed in the

reverse order, depending on the functions involved. It should also be noted that each block in the block diagram and/or the flowchart, and a combination of the blocks in the block diagram and/or the flowchart may be implemented by a dedicated hardware-based system that performs specified functions or operations, or may be implemented by a combination of dedicated hardware and computer instructions.

[0100] The involved units described in the embodiments of the present disclosure may be implemented in software or hardware. The name of the module does not constitute a limitation on the unit itself under certain circumstances.

[0101] The functions described above herein may be performed at least partially by one or more hardware logic elements. For example, without limitation, exemplary types of hardware logic elements that may be used include: a field programmable gate array (FPGA), an application specific integrated circuit (ASIC), an application specific standard product (ASSP), a system on chip (SOC), a complex programmable logical device (CPLD), etc.

[0102] In the context of the present disclosure, the machine-readable medium may be a tangible medium, which may contain or store a program for use by or in combination with an instruction execution system, apparatus, or device. The machine-readable medium may be a machine-readable signal medium or a machine-readable storage medium. The machine-readable medium may include, but is not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, or device, or any suitable combination thereof. More specific examples of the machine-readable storage medium may include an electrical connection based on one or more wires, a portable computer magnetic disk, a hard disk, a random access memory (RAM), a read-only memory (ROM), an erasable programmable read-only memory (EPROM or flash memory), an optical fiber, a portable compact disc read-only memory (CD-ROM), an optical storage device, a magnetic storage device, or any suitable combination thereof.

[0103] According to one or more embodiments of the present disclosure, Example 1 provides an interface presentation method, including:

[0104] presenting a preset interface in response to an interface presentation operation for the preset interface, and presenting at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and

[0105] performing an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

[0106] According to one or more embodiments of the present disclosure, Example 2 is the method according to Example 1, where the step in which the at least one recommended element corresponding to the current account is presented in the preset interface includes at least one selected from a group consisting of the following:

- [0107] presenting the at least one recommended element corresponding to the current account in the preset interface by using a first presentation form, where the first presentation form is a presentation form of an added element; and
- [0108] presenting the at least one recommended element corresponding to the current account in the preset interface by using a second presentation form, where the second presentation form is a presentation form of an element to be added.
- [0109] According to one or more embodiments of the present disclosure, Example 3 is the method according to Example 2, where after the at least one recommended element corresponding to the current account is presented in the preset interface by using the first presentation form, the method further includes:
- [0110] deleting a first recommended element from the preset interface in response to an element deletion operation for the first recommended element in the preset interface, where the first recommended element is presented by using the first presentation form.
- [0111] According to one or more embodiments of the present disclosure, Example 4 is the method according to Example 2, where after the at least one recommended element corresponding to the current account is presented in the preset interface by using the second presentation form, the method further includes:
- [0112] switching a second recommended element from the second presentation form to the first presentation form in response to an element addition operation for the second recommended element in the preset interface.
- [0113] According to one or more embodiments of the present disclosure, Example 5 is the method according to Example 4, where the step in which the second recommended element is switched from the second presentation form to the first presentation form includes at least one selected from a group consisting of the following:
- [0114] switching the second recommended element from a presentation style of an element to be added to a presentation style of an added element; and
- [0115] moving the second recommended element from a region of elements to be added of the preset interface to a region of added elements of the preset interface for presentation.
- [0116] According to one or more embodiments of the present disclosure, Example 6 is the method according to Example 2, where a deletion control is presented in association with the recommended element presented by using the first presentation form, and the deletion control is configured to trigger execution of an element deletion operation for the recommended element; and/or
- [0117] an addition control is presented in association with the recommended element presented by using the second presentation form, and the addition control is configured to trigger execution of an element addition operation for the recommended element.

- [0118] According to one or more embodiments of the present disclosure, Example 7 is the method according to any one of Examples 1 to 6, where after the preset interface is presented, the method further includes:
- [0119] presenting an element editing interface of the preset interface in response to an element editing operation applied to the preset interface, where the element editing interface includes a first interface region and a second interface region, the first interface region is used to present element information of added elements in the preset interface, the second interface region is used to present element information or an element preview image of an element to be added of the preset interface, the element information of the element to be added supports performing an element preview operation, and the element preview operation is used to indicate presentation of the element preview image of the element to be added.
- [0120] According to one or more embodiments of the present disclosure, Example 8 is the method according to Example 7, where after the element editing interface of the preset interface is presented, the method further includes:
- [0121] presenting an element preview panel of an element to be added corresponding to an element addition operation in response to an element preview operation based on the element information of the element to be added, where the element preview panel includes a first panel region and a second panel region, the first panel region is used to present an element preview image of the element to be added corresponding to the element addition operation, and the second panel region is used to present function introduction information of the element to be added corresponding to the element addition operation.
- [0122] According to one or more embodiments of the present disclosure, Example 9 is the method according to Example 7, where the element preview image of the element to be added is a preset preview image or a real-time preview image of the element to be added, and the real-time preview image supports triggering execution of an interaction event corresponding to the element to be added.
- [0123] According to one or more embodiments of the present disclosure, Example 10 provides an interface presentation apparatus, including:
- [0124] an element recommendation module, configured to present a preset interface in response to an interface presentation operation for the preset interface, and present at least one recommended element corresponding to a current account in the preset interface, where the recommended element is an interface element recommended to be added to the preset interface; and
- [0125] an event execution module, configured to perform an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.
- [0126] According to one or more embodiments of the present disclosure, Example 11 provides an electronic device, including:
- [0127] one or more processors; and
- [0128] a memory, configured to store one or more programs,

- [0129] the one or more programs, when executed by the one or more processors, cause the one or more processors to implement the interface presentation method according to any one of Examples 1 to 9.
- [0130] According to one or more embodiments of the present disclosure, Example 12 provides a computer-readable storage medium, on which a computer program is stored. The program, when executed by a processor, implements the interface presentation method according to any one of Examples 1 to 9.
- [0131] According to one or more embodiments of the present disclosure, Example 13 provides a computer program product. The computer program product, when executed by a computer, cause the computer to implement the interface presentation method according to any one of Examples 1 to 9.
- [0132] The above description only illustrates preferred embodiments of the present disclosure and applied technical principles. Those skilled in the art should understand that the disclosed scope involved in the present disclosure is not limited to the technical solutions formed by specific combinations of the above technical features, and should also cover other technical solutions formed by any combination of the above technical features or equivalent features thereof without departing from the above disclosed concept. For example, the above features and the technical features provided in the present disclosure (but not limited to) and having similar functions may be replaced each other to form a technical solution.
- [0133] In addition, although the operations are depicted in a specific order, this should not be understood as requiring the operations to be performed in the specific order shown or in a sequential order. Under certain circumstances, multitasking and parallel processing may be beneficial. Similarly, although the above discussion contains a number of specific implementation details, these should not be construed as limiting the scope of the present disclosure. Certain features that are described in the context of separate embodiments may also be implemented in combination in a single embodiment. Conversely, various features described in the context of a single embodiment may also be implemented in multiple embodiments individually or in any suitable sub-combination.
- [0134] Although the subject matter has been described in terms specific to the structural features and/or method logic actions, it should be understood that the subject matter defined in the appended claims is not necessarily limited to the specific features or actions described above. Conversely, the specific features and actions described above are merely exemplary forms of implementing the claims.

CLAIMS

1. An interface presentation method, comprising:

presenting a preset interface in response to an interface presentation operation for the preset interface, and presenting at least one recommended element corresponding to a current account in the preset interface, wherein the recommended element is an interface element recommended to be added to the preset interface; and

performing an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

2. The method of claim 1, wherein presenting the at least one recommended element corresponding to the current account in the preset interface comprises at least one selected from a group consisting of:

presenting the at least one recommended element corresponding to the current account in the preset interface by using a first presentation form, wherein the first presentation form is a presentation form of an added element; and

presenting the at least one recommended element corresponding to the current account in the preset interface by using a second presentation form, wherein the second presentation form is a presentation form of an element to be added.

3. The method of claim 2, wherein after presenting the at least one recommended element corresponding to the current account in the preset interface by using the first presentation form, the method further comprises:

deleting a first recommended element from the preset interface in response to an element deletion operation for the first recommended element in the preset interface, wherein the first recommended element is presented by using the first presentation form.

4. The method of claim 2 or 3, wherein after presenting the at least one recommended element corresponding to the current account in the preset interface by using the second presentation form, the method further comprises:

switching a second recommended element from the second presentation form to the first presentation form in response to an element addition operation for the second recommended element in the preset interface.

5. The method of claim 4, wherein switching the second recommended element from the second presentation form to the first presentation form comprises at least one selected from a group consisting of:

switching the second recommended element from a presentation style of an element to be added to a presentation style of an added element; and

moving the second recommended element from a region of elements to be added of the preset interface to a region of added elements of the preset interface for presentation.

6. The method of any of claims 2 to 5, wherein a deletion control is presented in association with the recommended element presented by using the first presentation form, and the deletion control is configured to trigger execution of an element deletion operation for the recommended element; and/or

an addition control is presented in association with the recommended element presented by using the second presentation form, and the addition control is configured to trigger execution of an element addition operation for the recommended element.

7. The method of any of claims 1 to 6, wherein after the preset interface is presented, the method further comprises:

presenting an element editing interface of the preset interface in response to an element editing operation applied to the preset interface, wherein the element editing interface comprises a first interface region and a second interface region, the first interface region is used to present element information of added elements in the preset interface, the second interface region is used to present element information or an element preview image of an element to be added of the preset interface, the element information of the element to be added supports performing an element preview operation, and the element preview operation is used to indicate presentation of the element preview image of the element to be added.

8. The method of claim 7, wherein after the element editing interface of the preset interface is presented, the method further comprises:

presenting an element preview panel of an element to be added corresponding to an element addition operation in response to an element preview operation based on the element information of the element to be added, wherein the element preview panel comprises a first panel region and a second panel region, the first panel region is used to present an element preview image of the element to be added corresponding to the element addition operation, and the second panel region is used to present function introduction information of the element to be added corresponding to the element addition operation.

9. The method of claim 7 or 8, wherein the element preview image of the element to be added is a preset preview image or a real-time preview image of the element to be added, and the real-time preview image supports triggering execution of an interaction event corresponding to the element to be added.

10. An interface presentation apparatus, comprising:

an element recommendation module, configured to present a preset interface in response to an interface presentation operation for the preset interface, and present at least one recommended element corresponding to a current account in the preset interface, wherein the recommended element is an interface element recommended to be added to the preset interface; and

an event execution module, configured to perform an interaction event corresponding to the recommended element triggered by a preset trigger operation in response to the preset trigger operation for the recommended element.

11. An electronic device, comprising:

at least one processor; and

a memory communicatively connected to the at least one processor,

wherein the memory stores a computer program executable by the at least one processor, and the computer program, when executed by the at least one processor, causes the at least one processor to perform the interface presentation method of any one of claims 1 to 9.

12. A computer-readable storage medium storing computer instructions, wherein the computer instructions, when executed by a processor, cause the processor to implement the interface presentation method of any one of claims 1 to 9.

13. A computer program product comprising a computer program, wherein the computer program, when executed by a processor, implements the interface presentation method of any one of claims 1 to 9.