

Claims

1. A desktop display control method, comprising:

determining whether a view of a first task is currently displayed on a desktop,

5 if the view of the first task is determined to be currently displayed on the desktop, displaying a view of a third control in a view of a second control, wherein the displaying of the view of the third control comprises: allocating position and size of the view of the third control according to one or more fixed icons in the view of the second control; and

10 if the view of the first task is determined to be not currently displayed on the desktop, stopping the display of the view of the third control in the view of the second control;

wherein the first task comprises a first application and/or a first control, wherein the first application is not an application of the desktop, and wherein the second control and the third control are both controls displayed on the desktop.

15 2. The desktop display control method according to claim 1, wherein when the first task comprises the first application, the determining whether a view of a first task is currently displayed on a desktop comprises:

acquiring a foreground application of a terminal; and

determining whether a view of the first application is currently displayed on the desktop according to the foreground application.

20 3. The desktop display control method according to claim 2, wherein the acquiring a foreground application of a terminal comprises:

creating a task list for recording a task ID corresponding to the first application;

25 detecting an application-switching event, wherein the application-switching event comprises an event that a task is moved to the foreground, an event that a task is moved to background or an event that a task is removed;

determining whether the task ID corresponding to the first application exists in the task list when an event that the first application is moved to the foreground is detected;

if the task ID does not exist in the task list, adding the task ID to the task list;

30 determining whether the task ID corresponding to the first application exists in the task list when an event that the first application is moved to the background or an event that the first application is removed is detected;

if the task ID exists in the task list, removing the task ID from the task list;

wherein the determining whether a view of the first application is currently displayed on the desktop according to the foreground application comprises: determining whether the view of the first application is currently displayed on the desktop according to the task list.

5 4. The desktop display control method according to claim 2, wherein the determining whether a view of the first application is currently displayed on the desktop according to the foreground application comprises:

determining that the view of the first application is currently displayed on the desktop if the foreground application is the first application; and/or

10 determining that the view of the first application is not currently displayed on the desktop if the foreground application is not the first application.

5. The desktop display control method according to claim 3, wherein the determining whether the view of the first application is currently displayed on the desktop according to the task list comprises:

15 determining that the view of the first application is currently displayed on the desktop if the task list contains at least one task ID; and/or

determining that the view of the first application is not currently displayed on the desktop if the task list does not contain any task ID corresponding to the first application.

20 6. The desktop display control method according to claim 5, wherein it is determined that the task list contains at least one task ID when the length value of the task list is not less than 1.

7. The desktop display control method according to claim 2, wherein the foreground application is a current active application.

25 8. The desktop display control method according to claim 1, wherein when the first task comprises a first control, the determining whether a view of a first task is currently displayed on a desktop comprises:

acquiring a current active control of a terminal; and

determining whether the view of the first control is currently displayed on the desktop according to the current active control.

30 9. The desktop display control method according to claim 8, wherein the determining whether the view of the first control is currently displayed on the desktop according to the current active control comprises:

determining that the view of the first control is currently displayed on the desktop if the current active control is the first control; and/or

determining that the view of the first control is not currently displayed on the desktop if the current active control is not the first control.

5 10. The desktop display control method according to claim 1, further comprising:

if the view of the first task is determined to be currently displayed on the desktop, not displaying the view of the third control on the desktop; and/or

if the view of the first task is determined to be not currently displayed on the desktop, displaying the view of the third control on the desktop.

10 11. The desktop display control method according to claim 1, wherein the displaying a view of a third control in a view of a second control comprises: calculating the size and position in the view of the second control for the view of the third control according to all of the views currently displayed in the view of the second control; and displaying the view of the third control according to the calculated size and position; and/or

15 wherein the stopping the display of the view of the third control in the view of the second control comprises: calculating the size and position in the view of the second control for the view of the third control according to all of the views currently displayed in the view of the second control; and not displaying the view of the third control according to the calculated size and position.

20 12. The desktop display control method according to claim 11, wherein the calculating the size and position in the view of the second control for the view of the third control according to all of the views currently displayed in the view of the second control comprises:

sending a request for acquiring the size and position to the second control by a view of the desktop;

25 calculating the size and position in which the view of the third control will be present in the view of the second control according to all of the views currently displayed in the view of the second control; and

sending the calculated size and position to the view of the desktop by the view of the second control.

30 13. The desktop display control method according to claim 11, wherein the displaying the view of the third control according to the calculated size and position comprises: sending a notification of adding the view of the third control to the second control by a view of the desktop; loading the

view of the third control according to the calculated size and position and setting the display state of the view of the third control to be visible by the view of the second control; sending a notification of setting the display state of the view of the third control to be visible to the second control by the view of the desktop; and setting the display state of the view of the third control to be visible by the second control; or

wherein the stopping the display of the view of the third control according to the calculated size and position comprises: sending a notification of setting the view of the third control to be invisible to the second control by a view of the desktop; setting the display state of the view of the third control to be invisible by the view of the second control according to the calculated size and position; sending a notification of removing the view of the third control to the second control by the view of the desktop; and removing the view of the third control by the second control.

14. The desktop display control method according to claim 11, wherein the displaying the view of the third control according to the calculated size and position comprises:

creating a view list for recording the identifier, size and position of the third control; and

displaying the view of the third control according to the view list; and

wherein the stopping the display of the view of the third control in the view of the second control comprises:

removing the identifier, size and position of the third control recorded in the view list.

15. The desktop display control method according to claim 11, wherein the stopping the display of the view of the third control on the desktop comprises: after displaying the view of the third control in the view of the second control, not displaying the view of the third control on the desktop; or

wherein the stopping the display of the view of the third control in the view of the second control comprises: after displaying the view of the third control on the desktop, not displaying the view of the third control in the view of the second control.

16. The desktop display control method according to claim 1, wherein the second control is a navigation bar, and wherein the third control is an icon.

17. The desktop display control method according to claim 1, wherein the layer of the view of the third control is above both of the layer of the view of the first task and the layer of the view of the second control.

18. The desktop display control method according to any preceding claim, wherein if the view of the first task is determined to be not currently displayed on the desktop, reacquiring the position

and the size of the view of the third control in the view of the second control before stopping the display of the view of the third control in the view of the second control.

19. A desktop display control apparatus, comprising:

5 a task determination unit, used for determining whether a desktop currently displays a view of a first task; and

10 a view display unit, used for displaying a view of a third control in a view of a second control if the view of the first task is determined to be currently displayed on the desktop, wherein the view display unit is configured to allocate position and size of the view of the third control according to one or more fixed icons in the second control; and further used to stop the display of the view of the third control in the view of the second control if the view of the first task is determined to be not currently displayed on the desktop;

wherein the first task comprises a first application and/or a first control, wherein the first application is not an application of the desktop, and wherein the second control and the third control are both controls displayed on the desktop.

15 20. A terminal, comprising:

at least one processor; and

at least one memory communicatively coupled to the at least one processor and storing instructions that upon execution by the at least one processor cause the terminal to perform the desktop display control method according to any one of claims 1 to 18.

20 21. A non-transitory computer storage medium, storing computer-readable instructions to perform the desktop display control method according to any one of claims 1 to 18 when the computer-readable instructions are executed by a computing device.