Claims

1. An electronic device, comprising:

a first housing structure and a second housing structure rotatably coupled to each other via a hinge to allow the electronic device to be folded and unfolded;

a main display disposed on a front side of the first housing structure and a front side of the second housing structure;

a sub-display disposed on a rear side of the first housing structure;

a processor; and

memory storing instructions that, when executed by the processor, cause the electronic device to:

display, on the sub-display, a view layout of the sub-display when the electronic device is folded, wherein the view layout of the sub-display includes a first page layout and a hotseat area of the sub-display, and the hotseat area for the sub-display includes a set of application icons arranged separately from the first page layout; and

in response unfolding of the electronic device, display, on the main display, a view layout of the main display comprising the first page layout and a second page layout which is subsequent to the first page layout displayed together, wherein the view layout of the main display further includes a hotseat area of the main display having a synchronization zone including the set of application icons included in the hotseat area for the sub-display and a non-synchronization zone containing at least one additional application icon that is added in response to a user input.

2. The electronic device of claim 1, wherein the displaying of the view layout of the main display comprises:

displaying an indicator indicating the first page layout and an indicator indicating the second page layout as a graphic representation different from a graphic representation for other indicators.

3. The electronic device of claim 1, wherein the instructions, when executed by the processor, further cause the electronic device to:

in response to a screen switch input being detected, display a destination page layout determined based on a number of pages displayable on the main display, and wherein the number of pages displayable on the main display corresponds to a difference between an index

before the detecting of the screen switch input and an index determined by the detecting of the screen switch input.

4. The electronic device of claim 3, wherein the displaying of the destination page layout comprises:

based on at least one of page layouts requested in response to the screen switch input being detected exceeding an available range, limiting the destination page layout to be within the available range.

5. The electronic device of claim 3, wherein the displaying of the destination page layout comprises:

based on a movement velocity of the screen switch input exceeding a threshold velocity, determining the destination page layout corresponding to a movement direction of the screen switch input.

6. The electronic device of claim 3, wherein the displaying of the destination page layout comprises:

determining the destination page layout based on a touch formation number of the screen switch input.

7. The electronic device of claim 3, wherein the displaying of the destination page layout comprises:

determining, to be the destination page layout based on a movement velocity of the screen switch input.

8. The electronic device of claim 1, wherein the displaying of the view layout of the main display comprises:

based on an application icon arrangement being synchronized between the main display and the sub-display, displaying, on the main display, an application icon arranged in a page layout of the sub-display.

9. The electronic device of claim 1, wherein, based on the unfolding while an application icon arrangement is being synchronized between the main display and the sub-display, the instructions, when executed, further cause the electronic device to:

output a layout based on an application icon arrangement of the sub-display.

10. The electronic device of claim 1, wherein the instructions, when executed, further cause the electronic device to:

back up a previous application icon arrangement of the main display in response to synchronization of an application icon arrangement between the main display and the sub-display launched; and

restore the previous application icon arrangement backed up in response to the synchronization of the application icon arrangement between the main display and the sub-display being ended.

11. A method implemented by a processor, comprising:

displaying, on a sub-display, a view layout of the sub-display when an electronic device is folded, wherein the view layout of the sub-display includes a first page layout and a hotseat area of the sub-display, and the hotseat area for the sub-display includes a set of application icons arranged separately from the first page layout; and

in response unfolding of the electronic device, display, on a main display, a view layout of the main display comprising the first page layout and a second page layout which is subsequent to the first page layout displayed together, and wherein the view layout of the main display further includes a hotseat area of the main display having a synchronization zone including the set of application icons included in the hotseat area for the sub-display and a non-synchronization zone containing at least one additional application icon that is added in response to a user input.

12. The method of claim 11, wherein the displaying of the view layout of the main display comprises:

displaying an indicator indicating the first page layout and an indicator indicating the second page layout as a graphic representation different from a graphic representation for other indicators.

13. The method of claim 11, wherein the method further comprises:

in response to a screen switch input being detected, display a destination page layout determined based on a number of pages displayable on the main display, and wherein the number of pages displayable on the main display corresponds to a difference between an index

before the detecting of the screen switch input and an index determined by the detecting of the screen switch input.

14. The method of claim 13, wherein the displaying of the destination page layout comprises:

based on at least one of page layouts requested in response to the screen switch input being detected exceeding an available range, limiting the destination page layout to be within the available range.

15. The method of claim 13, wherein the displaying of the destination page layout comprises:

based on a movement velocity of the screen switch input exceeding a threshold velocity, determining the destination page layout corresponding to a movement direction of the screen switch input.

16. The method of claim 13, wherein the displaying of the destination page layout comprises:

determining the destination page layout based on a touch formation number of the screen switch input.

17. The method of claim 13, wherein the displaying of the destination page layout comprises:

determining, to be the destination page layout based on a movement velocity of the screen switch input.

18. The method of claim 11, wherein the displaying of the view layout of the main display comprises:

based on an application icon arrangement being synchronized between the main display and the sub-display, displaying, on the main display, an application icon arranged in a page layout of the sub-display.

19. The method of claim 11, wherein, based on the unfolding while an application icon arrangement is being synchronized between the main display and the sub-display, the method further comprises:

outputting a layout based on an application icon arrangement of the sub-display.

20. A non-transitory computer-readable storage medium having stored thereon instructions that, when executed by a processor, cause the processor to control the electronic device to perform the operations of any one of claims 11 to 19.