

LG ROLLABLE MOBILE TERMINAL

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1. A rollable mobile terminal, comprising:

a touch screen configured to be rollable;

a first body coupled to one end of the touch screen;

a second body connected to another end opposite to the one end of the touch screen;

a guide unit disposed on at least one of the first body and the second body to accommodate the touch screen in a rolling manner; and

a controller to set at least part of the touch screen, exposed to outside of the guide unit due to a movement of at least one of the first and second bodies, as a display region when the at least one of the first body and the second body is moved by an external force, and output screen information to the display region,

wherein the controller outputs different screen information in the display region based on a body, moved by the external force, of the first body and the second body.

2. The terminal of [claim 1](#), wherein the second body implements an open state of exposing at least part of the touch screen and a closed state in which the touch screen is in contact with the first body.

3. The terminal of [claim 2](#), wherein the controller outputs first screen information in the display region when the closed state is switched to the open state by a movement of the first body,

and outputs second screen information in the display region when the closed state is switched to the open state by a movement of the second body.

4. The terminal of [claim 3](#), further comprising a memory to store first and second user accounts having different access rights to a file,

wherein the controller logs in the first user account and outputs as the first screen information a home screen page corresponding to the first user account when the closed state is switched to the open state by the movement of the first body, and

wherein the controller logs in the second user account and outputs as the second screen information a home screen page corresponding to the second user account when the closed state is switched to the open state by the movement of the second body.

5. The terminal of [claim 4](#), wherein the controller outputs third screen information in the display region when the closed state is switched to the open state by a movement of the first body and the second body.

6. The terminal of [claim 5](#), wherein the controller resets at least one of the first to third screen information, preset to be output in the display region according to the movement of the at least one body, to another screen information based on a user input.

7. The terminal of [claim 1](#), wherein the controller executes one of functions associated with an application based on the movement of the at least one body when a second region of the touch screen is exposed by the movement of the at least one body while a first execution screen of the application is being output in a first region, and

wherein the first execution screen is displayed in the first region and a second execution screen corresponding to the one function is displayed in the second region.

8. The terminal of [claim 7](#), wherein the controller executes a first function of the functions associated with the application when the second region is exposed by the movement of the first body, and executes a second function of the functions associated with the application when the second region is exposed by the movement of the second body.

9. The terminal of [claim 8](#), wherein the functions associated with the application form a tree structure, the first function corresponds to a parent

node based on the first execution screen, and the second function corresponds to a child node based on the first execution screen.

10. The terminal of [claim 8](#), wherein the controller executes a third function of the functions associated with the application when the second region is exposed by the movement of the first and second bodies.

11. The terminal of [claim 2](#), wherein the controller controls the touch screen to output different screen information according to a size of the display region when the closed state is switched to the open state by the movement of the at least one body.

12. The terminal of [claim 11](#), wherein the controller controls the touch screen to display a predetermined number of graphic objects in the display region when the size of the display region is smaller than a reference size, and to display a preset home screen page in the display region when the size of the display region is larger than the reference size.

13. The terminal of [claim 12](#), wherein the preset home screen page is changed according to the movement of the at least one body, by which the closed state has been switched to the open state.

14. The terminal of [claim 12](#), wherein the controller controls the touch screen to display graphic objects included in a first group in the display region when the closed state is switched to the open state by the movement of the first body and the size of the display region switched to the open state is smaller than the reference size, and

controls the touch screen to display graphic objects included in a second group in at least one region switched to the open state when the closed state is switched to the open state by the movement of the second body and the size of the display region switched to the open state is smaller than the reference size

15. The terminal of [claim 11](#), wherein the controller controls the touch screen to display at least part of a first window in the display region when the size of the display region is smaller than the reference size, and to display the first window and at least part of a second window in the display region when the size of the display region is larger than the reference size, and

wherein the first and second windows are displayed in different regions of the display region and include different screen information.

16. The terminal of [claim 15](#), wherein the controller detects a control command related to information displayed in the first window using a touch input applied to the first window, and detects a control command related to information displayed in the second window using a touch input applied to the second window.

17. The terminal of [claim 1](#), further comprising a sensing unit to detect the movement of the at least one body, and detect the at least one region, exposed to the outside of the guide unit, of the entire region of the touch screen,

wherein the controller sets the detected at least one region as the display region in response to the movement of the at least one body.

18. The terminal of [claim 1](#), wherein the controller,

when a second region of the touch screen is exposed by the movement of the at least one body while screen information is being output in a first region of the touch screen in the open state and the movement of the at least one body satisfies a preset condition,

controls the touch screen to display at least part of the screen information being output in the first region in the second region.

19. The terminal of [claim 1](#), wherein the controller outputs screen information in a first region of the touch screen, and moves the screen information on the first region such that information to be output is sequentially displayed according to a direction of a preset touch applied to the touch screen, and

wherein the controller controls the touch screen such that another part, different from the part being output in the first region, of the information to be output is output in a second region of the touch screen when the second region is exposed by the movement of the at least one body.

20. The terminal of [claim 1](#), wherein the controller, when the display region is changed from a first region to a second region due to a movement of the first and second bodies,

displays screen information displayed in the first region in the second region, and increases or decreases a size of content included in the screen information based on a size of the second region.