

CLAIMS

1. A display control method of a side sliding interface, comprising:
 - displaying a rotatable collection of buttons;
 - first detecting motion of a sliding touch point against a sliding surface interface, where the motion of the sliding touch point has a first motion speed and a first motion direction at a non-zero angle to a horizontal axis of the sliding surface interface;
 - first acquiring a first sliding direction as a left or right direction of the first motion direction;
 - determining a speed of rotation based on the first motion speed;
 - determining a direction of rotation based on the first sliding direction; and
 - rotating the rotatable collection of buttons in the determined direction of rotation at the determined speed of rotation.
2. The method of claim 1, wherein the rotatable collection of buttons comprises a virtual turntable with the collection of buttons positioned around a center, and the rotating rotates the rotatable collection of buttons about the center.
3. The method of claim 1, further comprising:
 - displaying at least a portion of a content page and at least a portion of a menu page, the collection of buttons being on the content page;
 - wherein the detecting motion of a sliding touch point against a sliding surface interface, comprises detecting motion against the sliding surface interface within the menu page;
 - second detecting motion of a sliding touch point against the sliding surface interface within the content page the motion of the sliding touch point motion having a second motion speed and a second motion direction at an non-zero angle to a horizontal axis of

the sliding surface interface; and

moving the content page and the menu page (a) in a direction based on the second motion direction and (b) at a movement speed based on the second motion speed.

4. The method of claim 3, wherein moving the content page and the menu page at a movement speed based on the second motion speed comprises:

slowing, during the moving, the movement speed in response to the content page and/or the menu page approaching a maximum distance which the content page and/or the menu page can be moved.

5. A system for controlling an interface, comprising:

a non-transitory computer readable medium storing instructions;

a processor programmed to cooperate with the instructions so that the system executes operations comprising:

displaying a rotatable collection of buttons;

first detecting motion of a sliding touch point against a sliding surface interface, where the motion of the sliding touch point has a first motion speed and a first motion direction at a non-zero angle to a horizontal axis of the sliding surface interface;

first acquiring a first sliding direction as a left or right direction of the first motion direction;

determining a speed of rotation based on the first motion speed;

determining a direction of rotation based on the first sliding direction; and

rotating the rotatable collection of buttons in the determined direction of rotation at the determined speed of rotation.

6. The system of claim 5, wherein the rotatable collection of buttons comprises a

virtual turntable with the collection of buttons positioned around a center, and the rotating rotates the rotatable collection of buttons about the center.

7. The system of claim 6, the operations further comprising:

changing a size of one of the buttons in response to the one of the buttons moving via the rotating into a particular angular position on the virtual turntable.

8. The system of claim 5, further comprising:

displaying at least a portion of a content page and at least a portion of a menu page, the collection of buttons being on the content page;

wherein the detecting motion of a sliding touch point against a sliding surface interface, comprises detecting motion against the sliding surface interface within the menu page;

second detecting motion of a sliding touch point against the sliding surface interface within the content page the motion of the sliding touch point motion having a second motion speed and a second motion direction at a non-zero angle to a horizontal axis of the sliding surface interface; and

moving the content page and the menu page (a) in a direction based on the second motion direction and (b) at a speed based on the second motion speed.

9. A non-transitory computer readable media storing instructions which when executed by a processor cause the processor to execute operations comprising:

displaying a rotatable collection of buttons;

first detecting motion of a sliding touch point against a sliding surface interface, where the motion of the sliding touch point has a first motion speed and a first motion direction at a non-zero angle to a horizontal axis of the sliding surface interface;

first acquiring a first sliding direction as a left or right direction of the first motion

direction;

determining a speed of rotation based on the first motion speed;

determining a direction of rotation based on the first sliding direction; and

rotating the rotatable collection of buttons in the determined direction of rotation at the determined speed of rotation.

10. The media of claim 9, wherein the rotatable collection of buttons comprises a virtual turntable with the collection of buttons positioned around a center, and the rotating rotates the rotatable collection of buttons about the center.

11. The media of claim 9, the operations further comprising:

changing a size of one of the buttons in response to the one of the buttons moving via the rotating into a particular angular position on the virtual turntable.

12. The media of claim 9, further comprising:

displaying at least a portion of a content page and at least a portion of a menu page, the collection of buttons being on the content page;

wherein the detecting motion of a sliding touch point against a sliding surface interface, comprises detecting motion against the sliding surface interface within the menu page;

second detecting motion of a sliding touch point against the sliding surface interface within the content page the motion of the sliding touch point motion having a second motion speed and a second motion direction at a non-zero angle to a horizontal axis of the sliding surface interface; and

moving the content page and the menu page (a) in a direction based on the second motion direction and (b) at a speed based on the second motion speed.

13. The media of claim 12, the operations further comprising:
determining a second sliding speed as a horizontal component of the second motion speed; and
moving the content page and the menu page at a speed based on the second motion speed
comprises moving the content page and the menu page at a speed based on the second sliding speed.