CLAIMS

1. An adjustment method for a rendering hierarchy order, comprising:

in response to a first instruction triggered for a target moment position of a video editing timeline track, displaying a rendering hierarchy adjustment panel corresponding to the target moment position; wherein identifiers of a plurality of editing material segments are displayed in the rendering hierarchy adjustment panel according to an initial order, a time interval covered by the plurality of editing material segments on the video editing timeline track comprises the target moment position, the initial order of the identifiers of the plurality of editing material segments is consistent with an initial rendering hierarchy order of the plurality of editing material segments;

in response to a moving operation for an identifier of at least one editing material segment of the identifiers of the plurality of editing material segments, adjusting a display position of the identifier of the at least one editing material segment in the rendering hierarchy adjustment panel, causing the identifiers of the plurality of editing material segments to be displayed in the rendering hierarchy adjustment panel according to a target order corresponding to the identifiers of the plurality of editing material segments; and

in response to a second instruction triggered for the rendering hierarchy adjustment panel, determining a target rendering hierarchy order of the plurality of editing material segments according to the target order of the identifiers of the plurality of editing material segments.

2. The adjustment method for the rendering hierarchy order according to claim 1, wherein before the in response to a first instruction triggered for a target moment position of a video editing timeline track, the adjustment method for the rendering hierarchy order further comprises:

in response to selecting the target moment position on the video editing timeline track as a preview position, rendering images of the plurality of editing material segments at the target moment position according to the initial rendering hierarchy order and displaying the images after being rendered in a preview region;

after the in response to a second instruction triggered for the rendering hierarchy adjustment panel, the adjustment method for the rendering hierarchy order further comprises: rendering the images of the plurality of editing material segments at the target moment position according to the target rendering hierarchy order and displaying the images after being rendered in the preview region.

3. The adjustment method for the rendering hierarchy order according to claim 1, wherein in response to the first instruction being triggered for an editing material segment of a specified category, the plurality of editing material segments displayed in the rendering hierarchy adjustment panel are all editing material segments of the specified category.

4. The adjustment method for the rendering hierarchy order according to claim 3, further comprising:

in response to a third instruction triggered for the rendering hierarchy adjustment panel, displaying identifiers of editing material segments, whose time intervals covered on the video editing timeline track comprise the target moment position, of all categories in the rendering hierarchy adjustment panel;

in response to a moving operation for an identifier of at least one editing material segment of the identifiers of the editing material segments of all categories, adjusting a display position of the identifier of the at least one editing material segment of the identifiers of the editing material segments of all categories in the rendering hierarchy adjustment panel, causing the identifiers of the editing material segments of all categories to be displayed in the rendering hierarchy adjustment panel according to a target order corresponding to the identifiers of the editing material segments of all categories; and

determining a target rendering hierarchical order of the editing material segments of all categories according to the target order of the identifiers of the editing material segments of all categories.

5. The adjustment method for the rendering hierarchy order according to claim 3, wherein the determining a target rendering hierarchy order of the plurality of editing material segments according to the target order of the identifiers of the plurality of editing material segments comprises:

in response to no editing material segment of an identical category with an editing material segment on which the moving operation is performed existing at a higher hierarchy of the editing material segment on which the moving operation is performed, determining that a next hierarchy of a rendering hierarchy corresponding to the editing material segment on which the moving operation is performed is a hierarchy of an editing material segment of the identical category with the editing material segment on which the moving operation is performed;

in response to the editing material segment of the identical category with the editing material segment on which the moving operation is performed existing at the higher hierarchy of the editing material segment on which the moving operation is performed, determining that a previous hierarchy of the rendering hierarchy corresponding to the editing material segment on which the moving operation is performed is a hierarchy of an editing material segment of the identical category with the editing material segment on which the moving operation is performed; and

in response to a rendering hierarchy order of the editing material segment of the specified category before the moving operation is performed being identical to the rendering hierarchy order of the editing material segment of the specified category after the moving operation is performed, not adjusting a rendering hierarchy order of the plurality of editing material segments in all editing material segments corresponding to the target moment position.

6. The adjustment method for the rendering hierarchy order according to claim 1, wherein the identifier of the editing material segment displayed in the rendering hierarchy adjustment panel comprises: a thumbnail image corresponding to the editing material segment and/or a description text of the editing material segment.

7. The adjustment method for the rendering hierarchy order according to claim 1, further comprising:

in response to a fourth instruction triggered for the target moment position, creating a newly created editing material segment at the target moment position and determining an initial rendering hierarchy corresponding to the newly created editing material segment according to a preset rendering hierarchy order.

8. The adjustment method for the rendering hierarchy order according to claim 7, wherein the preset rendering hierarchy order is, in descending order, a text, a sticker, a filter, an adjustment, and a picture-in-picture; the determining an initial rendering hierarchy corresponding to the newly created editing material segment according to a preset rendering hierarchy order, comprises:

in response to the newly created editing material segment being the text, determining that the initial rendering hierarchy of the newly created editing material segment is a highest hierarchy;

in response to the newly created editing material segment being the sticker, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a text editing material segment with a lowest hierarchy;

in response to the newly created editing material segment being the filter or the adjustment, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a sticker editing material segment with a lowest hierarchy; and

in response to the newly created editing material segment being the picture-in-picture, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a filter or adjustment editing material segment with a lowest hierarchy.

9. The adjustment method for the rendering hierarchy order according to claim 2, wherein in response to the first instruction being triggered for an editing material segment of a specified category, the plurality of editing material segments displayed in the rendering hierarchy adjustment panel are all editing material segments of the specified category.

10. The adjustment method for the rendering hierarchy order according to claim 4, wherein the determining a target rendering hierarchy order of the plurality of editing material segments according to the target order of the identifiers of the plurality of editing material segments comprises:

in response to no editing material segment of an identical category with an editing material segment on which the moving operation is performed existing at a higher hierarchy of the editing material segment on which the moving operation is performed, determining that a next hierarchy of a rendering hierarchy corresponding to the editing material segment on which the moving operation is performed is a hierarchy of an editing material segment of the identical category with the editing material segment on which the moving operation is performed;

in response to the editing material segment of the identical category with the editing material segment on which the moving operation is performed existing at the higher hierarchy of the editing material segment on which the moving operation is performed, determining that a previous hierarchy of the rendering hierarchy corresponding

to the editing material segment on which the moving operation is performed is a hierarchy of an editing material segment of the identical category with the editing material segment on which the moving operation is performed; and

in response to a rendering hierarchy order of the editing material segment of the specified category before the moving operation is performed being identical to the rendering hierarchy order of the editing material segment of the specified category after the moving operation is performed, not adjusting a rendering hierarchy order of the plurality of editing material segments in all editing material segments corresponding to the target moment position.

11. The adjustment method for the rendering hierarchy order according to claim 2, further comprising:

in response to a fourth instruction triggered for the target moment position, creating a newly created editing material segment at the target moment position and determining an initial rendering hierarchy corresponding to the newly created editing material segment according to a preset rendering hierarchy order.

12. The adjustment method for the rendering hierarchy order according to claim 11, wherein the preset rendering hierarchy order is, in descending order, a text, a sticker, a filter, an adjustment, and a picture-in-picture; the determining an initial rendering hierarchy corresponding to the newly created editing material segment according to a preset rendering hierarchy order, comprises:

in response to the newly created editing material segment being the text, determining that the initial rendering hierarchy of the newly created editing material segment is a highest hierarchy;

in response to the newly created editing material segment being the sticker, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a text editing material segment with a lowest hierarchy;

in response to the newly created editing material segment being the filter or the adjustment, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a sticker editing material segment with a lowest hierarchy; and

in response to the newly created editing material segment being the picture-in-picture, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a filter or adjustment editing material segment with a lowest hierarchy.

13. An electronic device, comprising: a memory and a processor, wherein

the memory is configured to store a computer program instruction;

the processor is configured to execute the computer program instruction, causing the electronic device to implement an adjustment method for a rendering hierarchy order,

the adjustment method for the rendering hierarchy order comprises:

in response to a first instruction triggered for a target moment position of a video editing timeline track, displaying a rendering hierarchy adjustment panel corresponding to the target moment position; wherein identifiers

of a plurality of editing material segments are displayed in the rendering hierarchy adjustment panel according to an initial order, a time interval covered by the plurality of editing material segments on the video editing timeline track comprises the target moment position, the initial order of the identifiers of the plurality of editing material segments is consistent with an initial rendering hierarchy order of the plurality of editing material segments;

in response to a moving operation for an identifier of at least one editing material segment of the identifiers of the plurality of editing material segments, adjusting a display position of the identifier of the at least one editing material segment in the rendering hierarchy adjustment panel, causing the identifiers of the plurality of editing material segments to be displayed in the rendering hierarchy adjustment panel according to a target order corresponding to the identifiers of the plurality of editing material segments; and

in response to a second instruction triggered for the rendering hierarchy adjustment panel, determining a target rendering hierarchy order of the plurality of editing material segments according to the target order of the identifiers of the plurality of editing material segments.

14. The electronic device according to claim 13, wherein before the in response to a first instruction triggered for a target moment position of a video editing timeline track, the adjustment method for the rendering hierarchy order further comprises:

in response to selecting the target moment position on the video editing timeline track as a preview position, rendering images of the plurality of editing material segments at the target moment position according to the initial rendering hierarchy order and displaying the images after being rendered in a preview region;

after the in response to a second instruction triggered for the rendering hierarchy adjustment panel, the adjustment method for the rendering hierarchy order further comprises: rendering the images of the plurality of editing material segments at the target moment position according to the target rendering hierarchy order and displaying the images after being rendered in the preview region.

15. The electronic device according to claim 13, wherein in response to the first instruction being triggered for an editing material segment of a specified category, the plurality of editing material segments displayed in the rendering hierarchy adjustment panel are all editing material segments of the specified category.

16. The electronic device according to claim 15, wherein the adjustment method for the rendering hierarchy order further comprises:

in response to a third instruction triggered for the rendering hierarchy adjustment panel, displaying identifiers of editing material segments, whose time intervals covered on the video editing timeline track comprise the target moment position, of all categories in the rendering hierarchy adjustment panel;

in response to a moving operation for an identifier of at least one editing material segment of the identifiers of the editing material segments of all categories, adjusting a display position of the identifier of the at least one editing material segment of the identifiers of the editing material segments of all categories in the rendering hierarchy

adjustment panel, causing the identifiers of the editing material segments of all categories to be displayed in the rendering hierarchy adjustment panel according to a target order corresponding to the identifiers of the editing material segments of all categories; and

determining a target rendering hierarchical order of the editing material segments of all categories according to the target order of the identifiers of the editing material segments of all categories.

17. The electronic device according to claim 15, wherein the determining a target rendering hierarchy order of the plurality of editing material segments according to the target order of the identifiers of the plurality of editing material segments comprises:

in response to no editing material segment of an identical category with an editing material segment on which the moving operation is performed existing at a higher hierarchy of the editing material segment on which the moving operation is performed, determining that a next hierarchy of a rendering hierarchy corresponding to the editing material segment on which the moving operation is performed is a hierarchy of an editing material segment of the identical category with the editing material segment on which the moving operation is performed;

in response to the editing material segment of the identical category with the editing material segment on which the moving operation is performed existing at the higher hierarchy of the editing material segment on which the moving operation is performed, determining that a previous hierarchy of the rendering hierarchy corresponding to the editing material segment on which the moving operation is performed is a hierarchy of an editing material segment of the identical category with the editing material segment on which the moving operation is performed; and

in response to a rendering hierarchy order of the editing material segment of the specified category before the moving operation is performed being identical to the rendering hierarchy order of the editing material segment of the specified category after the moving operation is performed, not adjusting a rendering hierarchy order of the plurality of editing material segments in all editing material segments corresponding to the target moment position.

18. The electronic device according to claim 13, wherein the adjustment method for the rendering hierarchy order further comprises:

in response to a fourth instruction triggered for the target moment position, creating a newly created editing material segment at the target moment position and determining an initial rendering hierarchy corresponding to the newly created editing material segment according to a preset rendering hierarchy order.

19. The electronic device according to claim 18, wherein the preset rendering hierarchy order is, in descending order, a text, a sticker, a filter, an adjustment, and a picture-in-picture; the determining an initial rendering hierarchy corresponding to the newly created editing material segment according to a preset rendering hierarchy order, comprises:

in response to the newly created editing material segment being the text, determining that the initial rendering hierarchy of the newly created editing material segment is a highest hierarchy;

in response to the newly created editing material segment being the sticker, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a text editing material segment with a lowest hierarchy;

in response to the newly created editing material segment being the filter or the adjustment, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a sticker editing material segment with a lowest hierarchy; and

in response to the newly created editing material segment being the picture-in-picture, determining that the initial rendering hierarchy of the newly created editing material segment is lower than a rendering hierarchy of a filter or adjustment editing material segment with a lowest hierarchy.

20. A non-transitory computer-readable storage medium, comprising: a computer program instruction, wherein an electronic device executes the computer program instruction, causing the electronic device to implement an adjustment method for the rendering hierarchy order;

the adjustment method for the rendering hierarchy order comprises:

in response to a first instruction triggered for a target moment position of a video editing timeline track, displaying a rendering hierarchy adjustment panel corresponding to the target moment position; wherein identifiers of a plurality of editing material segments are displayed in the rendering hierarchy adjustment panel according to an initial order, a time interval covered by the plurality of editing material segments on the video editing timeline track comprises the target moment position, the initial order of the identifiers of the plurality of editing material segments is consistent with an initial rendering hierarchy order of the plurality of editing material segments;

in response to a moving operation for an identifier of at least one editing material segment of the identifiers of the plurality of editing material segments, adjusting a display position of the identifier of the at least one editing material segment in the rendering hierarchy adjustment panel, causing the identifiers of the plurality of editing material segments to be displayed in the rendering hierarchy adjustment panel according to a target order corresponding to the identifiers of the plurality of editing material segments; and

in response to a second instruction triggered for the rendering hierarchy adjustment panel, determining a target rendering hierarchy order of the plurality of editing material segments according to the target order of the identifiers of the plurality of editing material segments.