CLAIMS

What is claimed is:

1. A mobile terminal tap event recognition method, comprising:

recording a touch event detected by a touch screen of a mobile terminal by:

when the detected touch event is a touch event of a specified category, modifying an event name of the touch event to a modified event name, and recording the touch event as a recorded touch event with the modified event name and a timestamp corresponding to the touch event;

when the detected touch event is not a touch event of the specified category, recording the touch event as a recorded touch event with the event name of the touch event and the timestamp corresponding to the touch event;

grouping the recorded touch event into a touch event group comprising a complete sequence of touch events including a touch start event and a touch end event;

after the touch event group is recorded, determining whether a number of recorded touch event groups exceeds N, wherein N is a natural number greater than or equal to 1; and

if the number of recorded touch event groups exceeds N, deleting, according to the timestamps of the touch events, touch events recorded before N latest recorded touch event groups;

when a tap event is triggered, determining, according to the recorded touch events, whether a triggering of the tap event takes place in a page scrolling process; and

cancelling the tap event if the triggering of the tap event takes place in the page scrolling process.

2. The method according to claim 1, further comprising:

allowing the tap event to be sent if the triggering of the tap event does not take place in the page scrolling process.

3. The method according to claim 1, wherein the recording a touch event detected by a touch screen of a mobile terminal comprises:

when a browser control of the mobile terminal is a UIWebView control, recording the touch event detected by the touch screen of the mobile terminal.

4. The method according to claim 1, wherein

when the touch event of the specified category is a touchcancel event, the modifying an event name of the touch event to a modified event name comprises: modifying an event name of the touchcancel event to touchend; and

when the touch event of the specified category is a scroll event, the modifying an event name of the touch event to a modified event name comprises:

determining whether the scroll event is global page scrolling or regional page scrolling according to attribute information of the scroll event;

modifying an event name of the scroll event to scroll:window when the scroll event is the global page scrolling; and

modifying the event name of the scroll event to scroll:target when the scroll event is the regional page scrolling.

5. The method according to claim 4, wherein when N is equal to 2, the determining, according to the recorded touch event, whether the triggering of the tap event takes place in a page scrolling process comprises:

when the recorded touch event is the global page scrolling, if there is no scroll:window event between a first group of the recorded touch event groups and a second group of the recorded touch event groups, and there is a scroll:window event in the second group of the recorded touch event groups, determining that the triggering of the tap event takes place in the page scrolling process; and

when the recorded touch event is the regional page scrolling, if there is no scroll:target event in the first group of the recorded touch event groups, and there is a scroll:target event in the second group of the recorded touch event groups or after the second group of the recorded touch event groups, determining that the triggering of the tap event takes place in the page scrolling process.

6. A mobile terminal tap event recognition apparatus, comprising:

an event recording unit, configured to record a touch event detected by a touch screen of a mobile terminal by:

when the detected touch event is a touch event of a specified category, modifying an event name of the touch event to a modified event name, and recording the touch event as a recorded touch event with the modified event name and a timestamp corresponding to the

touch event;

when the detected touch event is not a touch event of the specified category, recording the touch event as a recorded touch event with an event name of the touch event and the timestamp corresponding to the touch event;

grouping the recorded touch event into a touch event group comprising a complete sequence of touch events including a touch start event and a touch end event;

after the touch event group is recorded, determining whether a number of recorded touch event groups exceeds N, wherein N is a natural number greater than or equal to 1; and

if the number of recorded touch event groups exceeds N, deleting, according to the timestamps of the touch events, touch events recorded before N groups of latest recorded touch event groups;

a scrolling determining unit, configured to: when a tap event is triggered, determine, according to the recorded touch event, whether a triggering of the tap event takes place in a page scrolling process; and

a tap cancelling unit, configured to cancel the tap event if the triggering of the tap event takes place in the page scrolling process.

7. The apparatus according to claim 6, further comprising:

a tap allowing unit, configured to allow the tap event to be sent if the triggering of the tap event does not take place in the page scrolling process.

8. The apparatus according to claim 6, wherein

the event recording unit is configured to: when a browser control of the mobile terminal is a UIWebView control, record the touch event detected by the touch screen of the mobile terminal.

9. The apparatus according to claim 6, wherein

when the touch event of the specified category is a touchcancel event, the event recording unit is configured to modify an event name of the touchcancel event to touchend; and

when the touch event of the specified category is a scroll event, the event recording unit is configured to determine whether the scroll event is global page scrolling or regional page scrolling according to attribute information of the scroll event; modify an event name of the scroll event to scroll:window when the scroll event is the global page scrolling; and modify

the event name of the scroll event to scroll:target when the scroll event is the regional page scrolling.

10. The apparatus according to claim 9, wherein when N is equal to 2, the scrolling determining unit is configured to:

When the recorded touch event is the global page scrolling, if there is no scroll:window event between a first group of the recorded touch event groups and a second group of the recorded touch event groups, and there is a scroll:window event in the second group of the recorded touch event groups, determine that the triggering of the tap event takes place in the page scrolling process; and

when the recorded touch event is regional page scrolling, if there is no scroll:target event in the first group of the recorded touch event groups, and there is a scroll:target event in the second group of the recorded touch event groups or after the second group of the recorded touch event groups, determine that the triggering of the tap event takes place in the page scrolling process.

11. A mobile terminal tap event recognition apparatus, comprising:

a processor;

a memory configured to store machine-executable instructions, wherein

by reading and executing the machine-executable instructions stored in the memory and corresponding to mobile terminal tap event recognition logic, the processor is caused to:

record a touch event detected by a touch screen of a mobile terminal by:

when the detected touch event is a touch event of a specified category, modifying an event name of the touch event to a modified event name, and recording the touch event as a recorded touch event with the modified event name and a timestamp corresponding to the touch event;

when the detected touch event is not a touch event of the specified category, recording the touch event as a recorded touch event with the event name of the touch event and the timestamp corresponding to the touch event;

grouping the recorded touch event into a touch event group comprising a complete sequence of touch events including a touch start event a touch end event;

after the touch event group is recorded, determining whether a number of recorded touch event groups exceeds N, wherein N is a natural number greater than or equal to 1; and

if the number of recorded touch event groups exceeds N, deleting, according to the

timestamps of the touch events, touch events recorded before N groups of latest recorded touch event groups;

when a tap event is triggered, determine, according to the recorded touch events, whether a triggering of the tap event takes place in a page scrolling process; and

cancel the tap event if the triggering of the tap event takes place in the page scrolling process.