

CLAIMS

1. An application control method of a mobile terminal, comprising steps of:
 - acquiring M running applications on the mobile terminal, wherein M is a positive integer;
 - acquiring user habit data related to closing at least one application within the M running applications; and
 - closing the at least one application within the M running applications according to the user habit data related to closing the at least one application,wherein the acquiring user habit data related to closing at least one application comprises:
 - acquiring P closing records for closing the at least one application within the M running applications within a preset period of time, wherein P is an integer greater than 1;
 - classifying the P closing records according to an application ID to obtain Q application classes, wherein Q is an integer greater than 1; and
 - acquiring a closing control parameter for each of the Q application classes as the user habit data.
2. The method according to claim 1, wherein the closing control parameter comprises a closing time and a closing priority for each of the Q application classes;
 - wherein acquiring a closing control parameter for each of the Q application classes as the user habit data comprises:
 - analyzing all closing times corresponding to each of the Q application classes to obtain a closing time corresponding to each of the Q application classes; and
 - determining, according to a closing frequency and power consumption for each of the Q application classes, a closing priority corresponding to each of the Q application classes.
3. The method according to claim 1 or 2, further comprising steps of:
 - acquiring a current user location of the mobile terminal; and
 - detecting a power consumption rate of the mobile terminal when the current user location is not a specified location and the mobile terminal is in a screen-off state, and executing the step of closing the at least one application within the M running applications according to the user habit data when the power consumption rate is greater than a preset threshold.
4. The method according to any one of claims 1-3, further comprising a step of:
 - acquiring a preset application ID set, the application ID set containing K application IDs,

wherein K is a positive integer; and

the step of closing the at least one application within the M running applications according to the user habit data related to closing the at least one application comprises:

comparing application IDs of the M running applications with the K application IDs to obtain X target application IDs that are not matched with the K application IDs, wherein X is a positive integer; and

closing at least one application corresponding to the X application IDs according to the user habit data.

5. An application control device of a mobile terminal, comprising:

a first acquisition unit configured to acquire M running applications, wherein M is a positive integer;

a second acquisition unit configured to acquire user habit data related to closing at least one application within the M running applications; and

a closing control unit configured to close the at least one application within the M running applications according to the user habit data related to closing the at least one application,

wherein the second acquisition unit comprises:

an acquisition module configured to acquire P closing records for closing the at least one application within the M running applications within a preset period of time, wherein P is an integer greater than 1;

a classification module configured to classify the P closing records according to an application ID to obtain Q application classes, wherein Q is an integer greater than 1; and

a first analysis module configured to analyze the Q application classes to obtain a closing control parameter for each of the Q application classes as the user habit data.

6. The device according to claim 5, wherein the closing control parameter comprises a closing time and a closing priority for each of the Q application classes; and

the first analysis module comprises:

a second analysis module configured to analyze all closing times corresponding to each of the Q application classes to obtain a closing time corresponding to each of the Q application classes; and

a determination module configured to determine, according to a closing frequency and power consumption for each of the Q application classes, a closing priority corresponding to each of the Q application classes.

7. The device according to claim 5 or 6, further comprising:

a third acquisition unit configured to acquire a current user location of the mobile terminal; and

a detection unit configured to detect a power consumption rate of the mobile terminal when the current user location is not a specified location and the mobile terminal is in a screen-off state, and execute, by the closing control unit, the step of closing the at least one application within the M running applications according to the user habit data when the result of detection by the detection unit shows that the power consumption rate is greater than a preset threshold.

8. The device according to claim 5, further comprising:

a fourth acquisition unit configured to acquire a preset application ID set, the application ID set containing K application IDs, wherein K is a positive integer; and

the closing control unit is configured to:

compare application IDs of the M running applications with the K application IDs to obtain X target application IDs that are not matched with the K application IDs, wherein X is a positive integer; and close at least one application corresponding to the X application IDs according to the user habit data.

9. The device according to claim 5, further comprising:

a fourth acquisition unit configured to acquire a preset application ID set, the application ID set containing K application IDs, wherein K is a positive integer; and

the closing control unit is configured to:

compare application IDs of the M running applications with the K application IDs to obtain X target application IDs that are not matched with the K application IDs, wherein X is a positive integer; and close at least one application corresponding to the X application IDs according to the user habit data.

10. The device according to claim 6, further comprising:

a fourth acquisition unit configured to acquire a preset application ID set, the application ID set containing K application IDs, wherein K is a positive integer; and

the closing control unit is configured to:

compare application IDs of the M running applications with the K application IDs to obtain X target application IDs that are not matched with the K application IDs, wherein X is a positive integer; and close at least one application corresponding to the X application IDs according to the user habit data.

11. A mobile terminal comprising a processor; a memory; and one or more programs stored in the memory and configured to be executed by the processor, the programs including

instructions for executing the method according to any one of claims 1 to 4.

12. A computer-readable storage medium storing computer programs for electronic data exchange, wherein the computer programs enable a computer to execute the method according to any one of claims 1 to 4.

13. A computer program product comprising a non-transitory computer-readable storage medium with computer programs stored thereon, the computer programs are operable to enable a computer to execute the method according to any one of claims 1 to 4.