

CLAIMS

1. An application program data processing method comprising:
 - detecting a first predetermined user operation in an interface presented on a touchscreen display of a mobile computing device, wherein the interface has at least one icon of at least one application program;
 - in response to detecting the first predetermined user operation in the interface, triggering a pending state of the at least one application program (S10), wherein the pending state of the at least one application program is a state for processing application data based on a user operation without starting the at least one application program, and wherein the application data includes at least cached data of the at least one application program;
 - while the pending state of the at least one application program is initiated, detecting a second predetermined user operation on a target application program of the at least one application program, wherein the second predetermined user operation includes an acceleration motion of the mobile computing device and at least one of: one or more press operations, a press-and-hold operation, and a slide operation performed on the touchscreen of the mobile computing device; and
 - in response to determining that the acceleration motion of the mobile computing device reaches an acceleration threshold, processing data of the target application program in the pending state (S12).
2. The method according to claim 1, wherein the method further comprises:
 - detecting that data processing of the target application program is completed; and
 - in response to detecting that the data processing of the target application program is completed, displaying completion information (S14).
3. The method according to claim 2, wherein the method further comprises:
 - detecting a third predetermined user operation in the interface; and
 - in response to detecting the third predetermined user operation in the interface, triggering the application program to exit the pending state (S16).

4. The method according to claim 2, wherein after the step of detecting that data processing of the target application program is completed, the method further comprises triggering the application program to exit the pending state.
5. The method according to claim 1, wherein processing data of the target application program comprises at least one of the following:
 - deleting a cache in the target application program;
 - compressing the data in the target application program; and
 - organizing fragments in the target application program.
6. The method according to claim 5, wherein after the step of detecting a second predetermined user operation on the target application program, the method further comprises:
 - invoking at least two pre-stored deletion options based on the second predetermined operation, wherein each deletion option corresponds to a cache category in the target application program; and
 - correspondingly performing the step of processing data of the target application program based on a selection result of the user for the deletion options.
7. The method according to claim 1, wherein the first predetermined operation comprises any one or a combination of the following:
 - a firm press operation, a touch and hold operation, a multi-tap operation, and a shake operation.
8. The method according to claim 1, wherein the second predetermined operation is a combination of a shake operation and a press operation, and processing data of the target application program comprises:
 - identifying the press operation to determine the target application program whose data needs to be processed (S121);
 - detecting that a shake signal reaches a predetermined acceleration threshold; and
 - in response to detecting that the shake signal reaches a predetermined acceleration threshold, processing the data of the target application program (S123).

9. The method according to claim 2, wherein the completion information comprises any one of the following:

information for controlling an icon of the target application program to move based on a predetermined track; and

information for controlling an icon of the target application program to switch from a first display state to a second display state.

10. The method according to claim 1, wherein the data of the target application program is processed based on a predetermined rule, wherein the predetermined rule is used to maintain a basic function of the target application program.

11. The method according to claim 10, wherein the predetermined rule comprises:

in the pending state, when a sub-icon that can be used to completely or partly delete the target application program appears on an icon that corresponds to the target application program, setting a location for triggering the target application program to enter a data processing event to an icon location of the target program except the sub-icon.

12. The method according to claim 11, wherein the predetermined rule comprises:

intercepting an original function of the sub-icon; and

when a location of receiving the second predetermined operation is a location where the sub-icon is located, triggering an event of processing the data of the target application program and the target application program itself is not completely or partly deleted.

13. An application program data processing device, comprising multiple modules configured to perform operations according to the method of any one of claims 1-12.