

METHOD, SYSTEM, AND GRAPHICAL USER INTERFACE FOR PROVIDING WORD RECOMMENDATIONS

RELATED APPLICATIONS

[0001] This application is related to U.S. patent application Ser. No. to be assigned, filed Jan. 5, 2007, entitled "Method and System for Providing Word Recommendations for Text Input," Attorney Docket 063266-5040, the disclosure of which is hereby incorporated by reference herein.

TECHNICAL FIELD

[0002] The disclosed embodiments relate generally to text input on portable electronic devices, and more particularly, to a method, system, and graphical user interface for providing word recommendations on a portable electronic device.

BACKGROUND

[0003] In recent years, the functional capabilities of portable electronic devices have increased dramatically. Current devices enable communication by voice, text, and still or moving images. Communication by text, such as by email or short message service (SMS), has proven to be quite popular.

[0004] However, the size of these portable communication devices also restricts the size of the text input device, such as a physical or virtual keyboard, in the portable device. With a size-restricted keyboard, designers are often forced to make the keys smaller or overload the keys. Both may lead to typing mistakes and thus more backtracking to correct the mistakes. This makes the process of inputting text on the devices inefficient and reduces user satisfaction with such portable devices.

[0005] Accordingly, there is a need for more efficient ways of entering text into portable devices.

SUMMARY

[0006] The above deficiencies and other problems associated with user interfaces for portable devices are reduced or eliminated by the disclosed device that includes a text input interface that provides word recommendations.

[0007] According to some embodiments, a computer-implemented method may be performed at a portable electronic device with a keyboard and a touch screen display. The method includes: in a first area of the touch screen display, displaying a current character string being input by a user with the keyboard; in a second area of the touch screen display, displaying the current character string or a portion thereof and a suggested replacement character string for the current character string; replacing the current character string in the first area with the suggested replacement character string if the user activates a key on the keyboard associated with a delimiter; replacing the current character string in the first area with the suggested replacement character string if the user performs a first gesture on the suggested replacement character string displayed in the second area; and keeping the current character string in the first area if the user performs a second gesture on the current character string or the portion thereof displayed in the second area.

[0008] According to some embodiments, a graphical user interface on a portable electronic device with a keyboard and a touch screen display includes a first area of the touch screen display that displays a current character string being input by a user with the keyboard, and a second area of the touch

screen display that displays the current character string or a portion thereof and a suggested replacement character string for the current character string. The current character string in the first area is replaced with the suggested replacement character string if the user activates a key on the keyboard associated with a delimiter. The current character string in the first area is replaced with the suggested replacement character string if the user performs a gesture on the suggested replacement character string in the second area. The current character string in the first area is kept if the user performs a gesture on the current character string or the portion thereof displayed in the second area.

[0009] According to some embodiments, a portable electronic device includes a touch screen display, one or more processors, memory, and a program. The program is stored in the memory and configured to be executed by the one or more processors. The program includes: instructions for displaying, in a first area of the touch screen display, a current character string being input by a user with the keyboard; instructions for displaying, in a second area of the touch screen display, the current character string and a suggested replacement character string for the current character string; instructions for replacing the current character string in the first area with the suggested replacement character string if the user activates a key on the keyboard associated with a delimiter; instructions for replacing the current character string in the first area with the suggested replacement character string if the user performs a first gesture on the suggested replacement character string displayed in the second area; and instructions for keeping the current character string in the first area if the user performs a second gesture on the current character string or the portion thereof displayed in the second area.

[0010] According to some embodiments, a computer-program product includes a computer readable storage medium and a computer program mechanism embedded therein. The computer program mechanism includes instructions, which when executed by a portable electronic device with a touch screen display, cause the device to: in a first area of the touch screen display, display a current character string being input by a user with the keyboard; in a second area of the touch screen display, display the current character string or a portion thereof and a suggested replacement character string for the current character string; replace the current character string in the first area with the suggested replacement character string if the user activates a key on the keyboard associated with a delimiter; replace the current character string in the first area with the suggested replacement character string if the user performs a first gesture on the suggested replacement character string displayed in the second area; and keep the current character string in the first area if the user performs a second gesture on the current character string or the portion thereof displayed in the second area.

[0011] According to some embodiments, a portable electronic device with a touch screen display includes: means for displaying a current character string being input by a user with the keyboard in a first area of the touch screen display; means for displaying the current character string or a portion thereof and a suggested replacement character string for the current character string in a second area of the touch screen display; means for replacing the current character string in the first area with the suggested replacement character string if the user activates a key on the keyboard associated with a delimiter; means for replacing the current character string in