

images to displaying a next image in the set of images; and a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the first image in the set of images to displaying a previous image in the set of images.

[0015] In another aspect of the invention, a computing device with a touch screen display comprises: means for detecting one or more finger contacts with the touch screen display, means for applying one or more heuristics to the one or more finger contacts to determine a command for the device, and means for processing the command. The one or more heuristics comprise: a heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command, a heuristic for determining that the one or more finger contacts correspond to a two-dimensional screen translation command, and a heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a first item in a set of items to displaying a next item in the set of items.

[0016] In another aspect of the invention, a computing device with a touch screen display comprises: means for detecting one or more first finger contacts with the touch screen display while displaying a web browser application; means for applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; means for processing the first command; means for detecting one or more second finger contacts with the touch screen display while displaying a photo album application; means for applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and means for processing the second command. The first set of heuristics comprises: a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional vertical screen scrolling command; a heuristic for determining that the one or more first finger contacts correspond to a two-dimensional screen translation command; and a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command. The second set of heuristics comprises: a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying a first image in a set of images to displaying a next image in the set of images; and a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the first image in the set of images to displaying a previous image in the set of images.

[0017] The disclosed heuristics allow electronic devices with touch screen displays to behave in a manner desired by the user despite inaccurate input by the user.

BRIEF DESCRIPTION OF THE DRAWINGS

[0018] For a better understanding of the aforementioned embodiments of the invention as well as additional embodiments thereof, reference should be made to the Description of Embodiments below, in conjunction with the following drawings in which like reference numerals refer to corresponding parts throughout the figures.

[0019] FIGS. 1A and 1B are block diagrams illustrating portable multifunction devices with touch-sensitive displays in accordance with some embodiments.

[0020] FIG. 2 illustrates a portable multifunction device having a touch screen in accordance with some embodiments.

[0021] FIGS. 3A-3C illustrate exemplary user interfaces for unlocking a portable electronic device in accordance with some embodiments.

[0022] FIGS. 4A and 4B illustrate exemplary user interfaces for a menu of applications on a portable multifunction device in accordance with some embodiments.

[0023] FIG. 5 illustrates an exemplary user interface for listing instant message conversations on a portable multifunction device in accordance with some embodiments.

[0024] FIGS. 6A-6K illustrate an exemplary user interface for inputting text for an instant message in accordance with some embodiments.

[0025] FIG. 7 illustrates an exemplary user interface for deleting an instant message conversation in accordance with some embodiments.

[0026] FIGS. 8A and 8B illustrate an exemplary user interface for a contact list in accordance with some embodiments.

[0027] FIG. 9 illustrates an exemplary user interface for entering a phone number for instant messaging in accordance with some embodiments.

[0028] FIG. 10 illustrates an exemplary user interface for a camera in accordance with some embodiments.

[0029] FIG. 11 illustrates an exemplary user interface for a camera roll in accordance with some embodiments.

[0030] FIGS. 12A-12C illustrate an exemplary user interface for viewing and manipulating acquired images in accordance with some embodiments.

[0031] FIGS. 13A and 13B illustrate exemplary user interfaces for viewing albums in accordance with some embodiments.

[0032] FIG. 14 illustrates an exemplary user interface for setting user preferences in accordance with some embodiments.

[0033] FIG. 15 illustrates an exemplary user interface for viewing an album in accordance with some embodiments.

[0034] FIGS. 16A and 16B illustrate exemplary user interfaces for viewing images in an album in accordance with some embodiments.

[0035] FIG. 17 illustrates an exemplary user interface for selecting a use for an image in an album in accordance with some embodiments.

[0036] FIGS. 18A-18J illustrate an exemplary user interface for incorporating an image in an email in accordance with some embodiments.

[0037] FIGS. 19A and 19B illustrate an exemplary user interface for assigning an image to a contact in the user's contact list in accordance with some embodiments.

[0038] FIG. 20 illustrates an exemplary user interface for incorporating an image in the user's wallpaper in accordance with some embodiments.

[0039] FIGS. 21A-21C illustrate an exemplary user interface for organizing and managing videos in accordance with some embodiments.

[0040] FIGS. 22A and 22B illustrate an exemplary user interface for setting user preferences for a video player in accordance with some embodiments.

[0041] FIG. 23A-23D illustrate exemplary user interfaces for a video player in accordance with some embodiments.

[0042] FIGS. 24A-24E illustrate an exemplary user interface for displaying and managing a weather widget in accordance with some embodiments.

[0043] FIGS. 25A-25E illustrate an exemplary user interface for displaying and managing a stocks widget in accordance with some embodiments.