

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.

[0010] In another aspect of the invention, a computer-implemented method is performed at a computing device with a touch screen display. While displaying a web browser application, one or more first finger contacts with the touch screen display are detected; a first set of heuristics for the web browser application is applied to the one or more first finger contacts to determine a first command for the device; and the first command is processed. 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. While displaying a photo album application, one or more second finger contacts with the touch screen display are detected; a second set of heuristics for the photo album application is applied to the one or more second finger contacts to determine a second command for the device; and the second command is processed. 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.

[0011] In another aspect of the invention, a computing device comprises: 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 detecting one or more finger contacts with the touch screen display, instructions for applying one or more heuristics to the one or more finger contacts to determine a command for the device, and instructions 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.

[0012] In another aspect of the invention, a computing device comprises: a touch screen display; one or more processors; memory; and one or more programs. The one or more programs are stored in the memory and configured to be executed by the one or more processors. The one or more programs include: instructions for detecting one or more first finger contacts with the touch screen display while displaying a web browser application; instructions 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; instructions for processing the first command; instructions for detecting one or more second finger contacts with the touch screen display while displaying a photo album application; instructions for applying a second set of heuris-

tics for the photo album application to the one or more second finger contacts to determine a second command for the device; and instructions 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.

[0013] In another aspect of the invention, a computer-program product comprises a computer readable storage medium and a computer program mechanism (e.g., one or more computer programs) embedded therein. The computer program mechanism comprises instructions, which when executed by a computing device with a touch screen display, cause the device to: detect one or more finger contacts with the touch screen display, apply one or more heuristics to the one or more finger contacts to determine a command for the device, and process 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.

[0014] In another aspect of the invention, a computer-program product comprises a computer readable storage medium and a computer program mechanism (e.g., one or more computer programs) embedded therein. The computer program mechanism comprises instructions, which when executed by a computing device with a touch screen display, cause the device to: detect one or more first finger contacts with the touch screen display while displaying a web browser application; apply 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; process the first command; detect one or more second finger contacts with the touch screen display while displaying a photo album application; apply 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 process 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