

[0063] FIG. 8 illustrates a methodology for dynamically updating a search display in accordance with an aspect of the subject matter disclosed herein. At reference numeral 802, navigation input is received. For example, the user can pivot the user interface to display search results of a different type. The context based upon the user input can be determined at 804. Context can include a new content type based upon the pivot of the search results display. At reference numeral 806, a determination can be made as to whether a search has already been performed for the new content type. If yes, the search results are available and can be retrieved at reference numeral 808 and displayed at reference numeral 814. Search results can be available if the user has already navigated to the particular content type. Alternatively, the initial search request can search multiple content types. In either case, the results will be available and can be retrieved and displayed.

[0064] If a search has not been performed for that content type, a search can be generated based upon the previous search criteria for a new content type at reference numeral 810. Results for the new search can be received at reference numeral 812 and the search results can be rendered to the display screen at reference numeral 814.

[0065] FIG. 9 illustrates a methodology for searching available content in accordance with an aspect of the subject matter disclosed herein. At reference numeral 902, a request for a search can be generated based upon user input. The request for a search can be a single request, which can be transmitted at reference numeral 904 and used to generate one or more queries for available content of multiple data types. Results of the queries can be received at reference numeral 906. Results can be received in a single block or data structure. Alternatively, results generated based upon separate queries can be separately received. Results can be received until all possible results are received, until a predetermined number or selection of results has been received, until a predetermined time limit has expired, or any combination thereof.

[0066] At reference numeral 908, a keyword search is generated. The keyword search determines if any of a set of preexisting keywords match the user input. Results from the keyword search can be received and assembled with the results, if any, of the search of available content at reference numeral 910.

[0067] FIG. 10 illustrates a methodology for displaying search results in accordance with an aspect of the subject matter disclosed herein. At reference numeral 1002, the context is determined. The context can be used to determine the result group to be displayed in the current result display. At reference numeral 1004, the result types that include data are determined. The pivot control can be updated to reflect those result types that include retrieved data. The resulting items can be organized, grouped or sorted within the result groups at reference numeral 1006 to prepare for display. Result groups can be ordered or organized based upon any criteria, including alphabetical order, numerical order, most recently used and the like. At reference numeral 1008, the display for each individual search result can be determined. For example, search results can include simple text, graphics, icons or other items. At reference numeral 1010, the data can be rendered to the display screen, providing users with the relevant data.

[0068] In order to provide a context for the various aspects of the disclosed subject matter, FIGS. 11 and 12 as well as

the following discussion are intended to provide a brief, general description of a suitable environment in which the various aspects of the disclosed subject matter may be implemented. While the subject matter has been described above in the general context of computer-executable instructions of a computer program that runs on a mobile device including a computer and/or computers, those skilled in the art will recognize that the innovations described herein also may be implemented in combination with other program modules or software applications. Generally, program modules include routines, programs, components, data structures, etc. that perform particular tasks and/or implement particular abstract data types. Moreover, those skilled in the art will appreciate that the inventive methods may be practiced with other computer system configurations, including single-processor or multiprocessor computer systems, mini-computing devices, mainframe computers, as well as personal computers, hand-held computing devices (e.g., PDA, phone, watch . . . ), microprocessor-based or programmable consumer or industrial electronics, and the like. The illustrated aspects may also be practiced in distributed computing environments where tasks are performed by remote processing devices that are linked through a communications network. However, some, if not all aspects of the subject matter described herein can be practiced on stand-alone computers, including mobile devices. In a distributed computing environment, program modules may be located in both local and remote memory storage devices.

[0069] With reference again to FIG. 11, the exemplary environment 1100 for implementing various aspects of the embodiments includes a mobile device or computer 1102, the computer 1102 including a processing unit 1104, a system memory 1106 and a system bus 1108. The system bus 1108 couples system components including, but not limited to, the system memory 1106 to the processing unit 1104. The processing unit 1104 can be any of various commercially available processors. Dual microprocessors and other multi-processor architectures may also be employed as the processing unit 1104.

[0070] The system memory 1106 includes read-only memory (ROM) 1110 and random access memory (RAM) 1112. A basic input/output system (BIOS) is stored in a non-volatile memory 1110 such as ROM, EPROM, EEPROM, which BIOS contains the basic routines that help to transfer information between elements within the computer 1102, such as during start-up. The RAM 1112 can also include a high-speed RAM such as static RAM for caching data.

[0071] The computer or mobile device 1102 further includes an internal hard disk drive (HDD) 1114 (e.g., EIDE, SATA), which internal hard disk drive 1114 may also be configured for external use in a suitable chassis (not shown), a magnetic floppy disk drive (FDD) 1116, (e.g., to read from or write to a removable diskette 1118) and an optical disk drive 1120, (e.g., reading a CD-ROM disk 1122 or, to read from or write to other high capacity optical media such as the DVD). The hard disk drive 1114, magnetic disk drive 1116 and optical disk drive 1120 can be connected to the system bus 1108 by a hard disk drive interface 1124, a magnetic disk drive interface 1126 and an optical drive interface 1128, respectively. The interface 1124 for external drive implementations includes at least one or both of Universal Serial Bus (USB) and IEEE 1194 interface tech-