

IMPROVEMENTS TO USER INTERFACE FOR PROVIDING CALENDAR INFORMATION AND TASK MANAGEMENT

Field of the Invention

The present invention generally relates to calendar and tasks management systems. In particular, the present invention relates to an improved user interface for providing and calendar information and task information.

Background

At the present moment, scheduling of appointments and events have been performed on a conventional calendar with similar interface to Google Calendar and Microsoft Outlook. Although this is a good way to see all the events at a glance, it does have a constraint on the number of events/appointments it can show in each day. As such, if there are too much information to be displayed, this will not be the optimal presentation. Therefore, most event listing websites will opt to use the list view instead where events are listed out line by line.

Summary of Invention

This invention aims to improve the user interface of display calendar information and tasks management.

From the conventional calendar view by month, calendar information based on user's viewing mode selection ie viewing by selected week or day, is displayed while staying at the same page. The user can have the overall view of the month and the details of the day or week. He will not have to switch between windows to display these 2 views.

Under the list view of calendar information whereby information are listed out line by line, user is able to view more information while maintaining the list view mode.

More task management tools have been included to improve on user's efficiency.

Brief Description of Drawings

Fig. 1 illustrates an event calendar month view display showing more event information for a particular day (grid format) according to embodiments of the present invention.

Fig. 2 illustrates an event calendar month view display showing more event information for a particular day (list format) according to embodiments of the present invention.

Fig. 3 illustrates an event calendar month view display showing more event information for a particular week according to embodiments of the present invention.

Fig. 4 illustrates a list of events according to embodiments of the present invention.

Fig. 5 illustrates the use of a command button to execute a few tasks while the individual command button for each task is still being kept there.

Detailed Description

As briefly described above, embodiments of the present invention are directed to an improved user interface for providing task management and calendar information. In the following detailed description, references are made to the accompanying drawings that form a part hereof, and in which are shown by way of illustrations specific embodiments or examples. These embodiments may be combined, other embodiments may be utilized, and structural changes may be made without departing from the spirit or scope of the present invention. The following detailed description is therefore not to be taken in a limiting sense and the scope of the present invention is defined by the appended claims and their equivalents.

Fig. 1 shows a conventional event calendar format with the embodiments of the invention. Button 101 is selected to show the events using a month view. Individual dates can be further selected to reveal more information of that particular day's events. Selected date (106) will be highlighted. Button 102 shows that the grid format is selected to display these events on this particular day as shown in display 103. Images of the event and the respective event titles are displayed in a grid manner. Navigation tool 104 can be used to show more events when the number of events is more than what the screen can display. If user wants to view another day, he will just have to select another date. If he wants to have the conventional month view, he can close this expansion window with button 105.

In this example, 9 Oct 2014 (106) is being selected. On this date itself, there is a total of 14 events. However, only 4 events can be displayed within that small window. With this expansion function, the user will be able to see the remaining 10 events while on the same page as the calendar month view. As only 12 events can be displayed, user will have to use the arrow key 104 to view the remaining 2 events.

This view will allow user to have a clear view of the calendar of events and at the same time able to see the images of events that are scheduled on a particular date.

Fig. 2 shows the same page as Fig. 1 except that the list view button 202 is selected. Under this expansion of a particular day's events, user can toggle between grid view (Fig. 1) or list view (Fig. 2). The list view 203 will show a list of events that is happening on that particular day (210). However, there will be no images and description shown until expansion button 205 is being clicked on and 206 will be expanded out to show the image and description. Should user prefer to show all images in a list manner, he can click on the box 207 to select all events and expand them with just a click on expansion button 208 instead of having to click one by one. In addition, if he decides to share all the events on this particular date, he can make use of the button 209 to perform this action.

This mode of view will benefit users who do not have pictorial preference or will like to have a quick view of what is going on. If any event caught their eye, they are able to see the image and brief description with just a quick click on the expansion button too.

While Fig. 1 and Fig. 2 show more event information by day, Fig. 3 will show the event information by week. Button 301 will still be selected as it is still in a calendar month view. Button 302 will be selected to display by week. Selected week (306) will be highlighted. The space 304 will be expanded out to show information (303) that cannot be displayed in a traditional calendar due to space constraints. Button 304 can be clicked on to change on the dates.

This view mode by week within the conventional calendar is able to display all the events for any particular week. This will help to make the interface tidier and neater.

In Fig. 4, button 401 is selected to display the event information by list view ie line by line display (402). No images are being displayed until button 403 is clicked to expand out the image and brief description (404) of a particular event. Should user prefer to show all images in a list manner, he can click on the box 405 to select all events and expand them with just a click on expansion button 406 instead of having to click one by one. In addition, if he decides to share all the events, he can make use of the button 407 to perform this action. Fig. 4 is similar to Fig. 2 except that Fig. 2 only displays a particular day where Fig. 4 displays a period.

With this function of able to select multiple events and action button for selected events, user can work with these events more effortlessly and efficient.

In many websites or softwares, there are certain tasks which often have to be executed together. User will then have to perform each task one by one. In the context of an event listing website, for a particular event, the user will like to express "like", add to calendar, that they are attending and sharing on social media. However, they will have to click on 4 buttons to get these 4 tasks performed. In Fig. 5, button 501 is clicked to perform the task of expressing that the user is attending this event as shown by the highlighted button. However, if he want to perform all the 4 tasks, he can do so by clicking on button 502 which will be highlighted. The individual buttons for each different task will be highlighted too when the pointer mouse over the button 502. User will have a clear understanding of this button 502's function and have the choice of performing these tasks separately.

Claims

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. An improved user interface, comprising an expansion display of information into the conventional calendar.
2. The user interface of Claim 1, further comprises a display of calendar information according to selected date.
3. The user interface of Claims 1-2, further comprises of a view mode by grid whereby information is displayed in grid format.
4. The user interface of Claims 1-2, further comprises of a view mode by list whereby information is displayed in list format.
5. The user interface of Claim 1, further comprises a display of calendar information according to selected week.
6. An improved user interface, comprising tasks management tools and expansion of information under the list view mode.
7. An improved user interface, comprising a command button that executes all the tasks and the related tasks' command buttons. Colour differentiation is performed to show that all tasks have been selected when do all command button is selected or mouse over.