

Schedule/VBX Sample 1 - Vacation Scheduler

Sample 1 is a complete Employee Vacation Scheduling application written in Visual Basic using the Schedule/VBX control. It demonstrates the use of multiple views with the control using push buttons as well as drag and drop capability for adding data to the control.

This application stores its data using the ResSave, ResLoad, TBSave and TBLoad properties to read and write to an ASCII comma delimited file (See Sample2 for examples of storing data in a database). Examine the code attached to the VacationForm.Load and UnLoad events. Notice in the Load event that the SchedVBX1.DefaultDateTimeFormat string is set to INTLSHORTDATE - without the INTLTIME field. This limits all displays to showing only the date and snaps any bar movement to the nearest day boundary.

Next, examine the SchedVBX1.DragDrop event. This event is triggered when one of the two buttons (Drag1Day or Drag1Week) is dragged and dropped on top of the Schedule/VBX control. Notice how the X & Y coordinates are converted from Twips into Pixels and then the SchedVBXPointToResource and SchedVBXPointToTime DLL Calls are used to resolve the point of the drop into a resource line and a date/time value. Next the SchedVBXAddTimeBlock call is used to add a new timeblock to the control. Notice too how the TimeBlocks array within the Schedule/VBX control is dynamically managed. The TBMax property is incremented when needed to add a new timeblock.

Take a quick look at the SchedVBX1.BarRightSingleClick event. This is used to display a quick popup menu for a bar that lets the user change or delete a bar. Notice how it sets a global variable (iTB) with the timeblock that was clicked on and then invokes the menu.

Next, look at the YearButton, MonthButton, WeekButton & EmployeeButton Click events. These functions demonstrate how to change the view that the Schedule/VBX control uses for display. Notice how the timescales are adjusted for each view.

Lastly, examine the menu code for the Employees... and Vacations... menus. These menus invoke forms which display lists of Employees and Vacations. Notice how these lists are filled from the data already loaded into the Schedule/VBX control. Also notice how the Add, Change and Delete buttons are used to alter the data in the Schedule/VBX control.