

Schedule/VBX Demo Readme File

This is Version 1.00 of the Schedule/VBX Demo.

Schedule/VBX is a Visual Basic Custom Control that will add Resource Scheduling to your applications with the Click of a button. A DisplayMode property shows Year, Month, Week and Day at a glance as well as a Resource View for data entry.

Schedule/VBX is a professional "front-end" scheduling display for all your visual scheduling needs. You can quickly and easily add complete scheduling to your applications with just a few lines of code. Use it for employee work schedules, vacation schedules, conference room scheduling, appointment scheduling, personal information managers and on and on.

> Visually Interactive - lets your users alter and play with their schedules using drag and drop technology.

> Set over 200 properties to get the look and feel you want. Change anything from fonts, colors and bevels to timescales, bars and columns.

> Attach code to over 80 events. Respond to mouse clicks, bar movements, scrolling and more.

FEATURES

> Visually Interactive

Change Bar Start, End and Duration using drag and drop. Resize columns, control areas and row heights using point and click.

> Timescales

Minutes, Hours, Days, Weeks, Months, Quarters and Years. Dozens of formats to choose from. Complete sizing, scaling and formatting.

> Bars

Color, Size, Offset and Pattern. Beginning and Ending Symbols. Text Above, Below, Left, Right, In Bar Centered, In Bar Right and In Bar Left. Text Font, Color and Size. Adjustable settings from full to begin only, end only or not adjustable at all. Define up to 16,384 bars.

> Resources

Name, Default Bar, Line Height, Color, Font, User1, User2, User3 and User4 string fields. List sorting, save and load built in. Store up to 16,384 resources.

> Time Blocks

Resource Number, Beginning Date/Time, Ending Date/Time, Duration, Bar, Group, User1, User2, User3 and User4 string fields. Store up to 16,384 time blocks.

> Property Dialogs

Complete dialogs to help you easily and quickly setup the control. Timescales Dialog, Bars Dialog, Legend Dialog, TimeBlock Dialog, Resource Dialog, Columns Dialog and more.

> Events

Bar Double Click, Bar Single Click, Timescale Single Click, Timescale Double Click, DragDrop, DragOver, Display Mode Changed and more.

> Legend

Title, Position (left, right, top or bottom), Size, Type (resource or bar), Background color and Bevel setting.

> Printing Too!

Screen Print as well as complete multi-page Chart Print. Adjust header, footer, margins, text and pagination.

> DLL Calls

AddResource, AddTimeBlock, FindTimeBlock, FindFreeTimeBlock and more.

Adding scheduling to your applications has never been easier - or more powerful! One click gives you professional, interactive scheduling with the flexibility and customization that every programmer craves.

Order today and start scheduling tomorrow!

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About the Schedule/VBX Demo:

The Schedule/VBX control supplied with this demo does not contain any printing capabilities or design-time help file and only allows a maximum of 10 TimeBlocks to be loaded into the control. When you order the fully operational version of Schedule/VBX it will contain full printing (both Screen Print and multi-page Chart Print), complete written documentation and on-line design-time help as well as the ability to store up to 16,384 TimeBlocks.

The demo contains four complete applications that demonstrate the use of the Schedule/VBX control in several "real world" settings. There is an Employee Vacation Scheduler, a Conference Room Scheduler, A Doctors Office Scheduler and a Visual C++ application. Try looking at each sample application and then decide which one is closest to your application. You can then make a copy of that sample and use it as a starting point. Each sample contains a readme file, an executable file (ready to run) and complete source code (in either Visual Basic or Visual C++).

Schedule/VBX is an extremely sophisticated control. With over 200 properties and over 80 events you can get some idea of the features and functionality contained in this VBX control! This demonstration is meant to whet your appetite. To fully use the control in a design-time environment requires the printed and on-line documentation that comes with the fully operational control. The documentation comes with a complete tutorial (one for both Visual Basic and Visual C++), complete Properties reference, Events reference and DLL Calls reference.

We hope you enjoy using Schedule/VBX. If you need to add scheduling to your applications then this is the control that can do the job.

SAMPLES

Sample 1 - Visual Basic - Vacation Scheduler

Sample 1 is a complete Employee Vacation Scheduling application. It allows you to enter Employees and Vacations and then displays the vacations in a Yearly, Monthly, Weekly or Employee View. It also demonstrates drag and drop onto the Schedule/VBX control.

Sample 2 - Visual Basic - Conference Room Scheduler

Sample 2 is a complete Conference Room Scheduling application. It lets you enter Conference Rooms (complete with bar definitions) and Meetings. The Meetings are then displayed in a Monthly, Weekly and Daily format. This application also demonstrates the use of drag and drop both to and from the Schedule/VBX control. Dragging to the control lets you add meetings of 15 minutes, 30 minutes, 45 minutes and 1 hour. Dragging a bar from the control lets you drop it on buttons that display a meetings information or notes or lets you delete the meeting.

Sample 3 - Visual Basic - Doctors Appointment Scheduler

Sample 3 is a complete Scheduling system for a clinic with multiple Patients, Doctors and Examination Rooms. It demonstrates the use of Bar coloring to represent additional information about a schedule - in this case the Examination Room assigned to the appointment. It will present a list of Doctors and the appointments scheduled by patients for that Doctor. It will also allow the User to set which Examination Room the patient has been assigned to.

Sample 4 - Visual C++ - View / Dialog Demonstrator

Sample 4 is a Visual C++ sample application designed to demonstrate the use of Schedule/VBX within the Visual C++ environment. It shows how to create a Schedule/VBX control both in a view window at run-time and in a dialog at design-time. The "View" menu will let the User select between several viewing modes for the control. You can also invoke multiple instances of the control and set each to a different view. The OnSize function is also overridden and used to resize the Schedule/VBX control to the size of the view client area. There is also an example of using the control within a Dialog.

Schedule/VBX Properties & Events:

> Standard Properties:

CtlName
Index
Left
Top
Width
Height
Visible
Parent
hWnd
Tag
Caption
BorderStyle
TabIndex
TabStop
BackColor
HelpContextID
DragIcon
DragMode

> General Properties:

MasterDialog
GeneralDialog
About
DisplayMode

HeaderHeight
BevelHighlightColor
BevelShadowColor
BevelWidth
GridMajorColor
GridMajorThickness
HInstance
ProcessTab
ReDraw
ScrollBarColor
ScrollBarWidth
CurrentTimeColor
CurrentTimeLine

> Timescales:

TimescalesDialog
TSThumbWindows
TSBackColor()
TSBevel()
TSGridColor()
TSGridThickness()
TSMajorPercent()
TSMajorTickSize()
TSSizeToTick()
TSSize()
TSMajor()
TSMajorCount()
TSMajorFontColor()
TSMajorFontName()
TSMajorFontSizePercent()
TSMajorFontBold()
TSMajorFontItalic()
TSMajorFontOrient()
TSMajorFormat()
TSMajorGrid()
TSMajor()
TSMajorCount()
TSMajorFontColor()
TSMajorFontName()
TSMajorFontSizePercent()
TSMajorFontBold()
TSMajorFontItalic()
TSMajorFontOrient()
TSMajorFormat()
TSMajorGrid()
TSRulerLarge()
TSRulerSmall()
TSRulerColor()
TSDateTimeBeg()
TSDateTimeEnd()
TSDateTimeView()

> Bars:

BarsDialog
BarsMax
BarMoveTextFormat

BarName()
BarSize()
BarOffset()
BarColor()
BarPattern()
BarAdjustable()
BarTextPosition()
BarTextField()
BarTextFormat()
BarTextClip()
BarFontColor()
BarFontName()
BarFontSizePercent()
BarFontBold()
BarFontItalic()
BarBegSymbol()
BarBegType()
BarBegColor()
BarBegSize()
BarBegOffset()
BarEndSymbol()
BarEndType()
BarEndColor()
BarEndSize()
BarEndOffset()

> Resource Header:

ResHdrDialog
ResHdrBackColor
ResHdrBevel
ResHdrFontColor
ResHdrFontName
ResHdrFontSizePercent
ResHdrFontBold
ResHdrFontItalic
ResHdrGridColor
ResHdrGridThickness
ResHdrResize

> Resource Columns:

ResColDialog
ResColMax
ResColField()
ResColFormat()
ResColLabel()
ResColWidth()
ResColAlignment()
ResColVisible()
ResColFrozen()
ResColEditable()
ResColResizable()

> Resource List:

ResDialog
ResMax
ResView

ResWidth
ResUnusedBackColor
ResBevel
ResGridColor
ResGridThickness
ResWidthResize
ResLineResize
ResCurrentCol
ResCurrentRow

> Resource Array:

ResName()
ResBarDefault()
ResUser1()
ResUser2()
ResUser3()
ResUser4()
ResLineHeight()
ResBackColor()
ResFontColor()
ResFontName()
ResFontSizePercent()
ResFontBold()
ResFontItalic()

> Resource Methods:

ResClear
ResDelete()
ResInsert()
ResIsEmpty()
ResNextEmpty
ResSort
ResLoad
ResSave

> TimeBlock Header:

TBHdrDialog
TBHdrBackColor
TBHdrBevel
TBHdrGridColor
TBHdrHeight

> TimeBlock Columns:

TBColDialog
TBColMax
TBColField()
TBColFormat()
TBColLabel()
TBColWidth()
TBColAlignment()
TBColVisible()
TBColFrozen()
TBColEditable()
TBColResizable()

> TimeBlock List:

TBDialog
TBMax
TBHeight
TBLineHeight
TBView
TBWidth
TBBackColor
TBBevel
TBGridColor
TBFontColor
TBFontName
TBFontSizePercent
TBFontBold
TBFontItalic
TBCurrentCol
TBCurrentRow

> TimeBlock Array:

TBResource()
TBBeg()
TBEnd()
TBDur()
TBBar()
TBGroup()
TBUser1()
TBUser2()
TBUser3()
TBUser4()

> TimeBlock Methods:

TBClear
TBClearRes
TBDelete()
TBIsEmpty()
TBNextEmpty
TBLoad
TBSave

> Schedule Bar Area:

SchedDialog
SchedBackColor
SchedBevel
SchedGridColor
SchedGridThickness

> Legend:

LegendDialog
LegendTitle
LegendPosition
LegendSize
LegendItemHeight
LegendType
LegendBackColor
LegendBevel
LegendView
LegendResize

> Printing:

PrintHeader

PrintFooter

PrintWidth

PrintHeight

PrintLeftMargin

PrintTopMargin

PrintRightMargin

PrintBottomMargin

PrintHeaderHeight

PrintHeaderText

PrintHeaderTextHeight

PrintFooterHeight

PrintFooterText

PrintFooterTextHeight

> Events:

BarBegDoubleClick

BarBegRightDoubleClick

BarBegRightSingleClick

BarBegSingleClick

BarDoubleClick

BarEndDoubleClick

BarEndRightDoubleClick

BarEndRightSingleClick

BarEndSingleClick

BarMidDoubleClick

BarMidRightDoubleClick

BarMidRightSingleClick

BarMidSingleClick

BarRightDoubleClick

BarRightSingleClick

BarSingleClick

CellDoubleClick

CellGotFocus

CellLostFocus

CellRightDoubleClick

CellRightSingleClick

CellSingleClick

DisplayModeChanged

DragDrop

DragOver

GotFocus

HeaderHeightChanged

InsertModeChanged

KeyDown

KeyPress

KeyUp

LegendDoubleClick

LegendSingleClick

LegendSizeChanged

LostFocus

MouseDown

MouseMove

MouseUp

ResChanged
ResColResized
ResHdrDoubleClick
ResHdrRightDoubleClick
ResHdrRightSingleClick
ResHdrSingleClick
ResHeightChanged
ResScrollPastBeg
ResScrollPastEnd
ResViewChanged
ResWidthChanged
SchedBackDoubleClick
SchedBackRightDoubleClick
SchedBackRightSingleClick
SchedBackSingleClick
TBBegChanged
TBChangeBegin
TBChanged
TBDurChanged
TBEndChanged
TBPullDown
TBPullDownEnd
TS0DateTimeViewChanged
TS0MajorDoubleClick
TS0MajorRightDoubleClick
TS0MajorRightSingleClick
TS0MajorSingleClick
TS0MinorDoubleClick
TS0MinorRightDoubleClick
TS0MinorRightSingleClick
TS0MinorSingleClick
TS0ScrollPastBeg
TS0ScrollPastEnd
TS0SizeChanged
TS1DateTimeViewChanged
TS1MajorDoubleClick
TS1MajorRightDoubleClick
TS1MajorRightSingleClick
TS1MajorSingleClick
TS1MinorDoubleClick
TS1MinorRightDoubleClick
TS1MinorRightSingleClick
TS1MinorSingleClick
TS1ScrollPastBeg
TS1ScrollPastEnd
TS1SizeChanged

> DLL Calls:

AddBar()
AddResource()
AddTimeBlock()
FindTimeBlock()
FindFreeTimeBlock()
ResourceNum()
PointToTime()
TimeToPoint()

PointToResource()
ResourceToPoint()
PointToLegend()
LegendToPoint()
PointToBar()
FontNum()
FontName()

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