Schedule/VBX Sample 3 - Doctor's Appointments

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.

Note: the data loaded from the database is automatically converted to today's date (the time is kept the same) as a demonstration. The database initially contains only appointments for a single day. You can add (or remove) to the data if you wish.

The mouse is used to query and set information about the appointments:

Clicking on an Appointment Bar:
- Left Mouse Single Click will show the information about that appointment in the area to the right of the schedule.
- Left Mouse Double Click will display a form allowing you to edit the information about the appointment.
- Right Mouse Single Click will allow you to select the Examination Room that the appointment is assigned to.

Clicking on the Doctor List:
- Left Mouse Double Click will display a form showing the information about that Doctor.

Clicking on the Patient box in the Appointment area to the right of the Schedule:
- Left Mouse Double Click will display a form showing the information about that Patient.

There are four tables maintained by this application:

Doctors
Patients
Appointments
ExamRooms

Examine the code written for the Form/Load event as well as the data tables used by this application. Next, examine the code written for the click events for each button on the tool bar. The drag/drop event for SchedVBX1 shows some useful code for adding an appointment. Next take a look at the BarSingleClick, BarDoubleClick, BarRightSingleClick and TBChanged events for the SchedVBX1 control.

Also look at the code attached to the NextAvail button. This code demonstrates the use of the SchedVBXFindFreeTimeBlock DLL Call routine. This call can be used to find a free TimeBlock for a Resource. Within this application it is used to position the view time to the next available appointment time for a doctor. It restricts the availability to 8 am to 5 pm from Monday through Friday. Examine the code on the click event for the NextAvail button to see how this is done.