The main portion of the screen shows a calendar, in either month, week, or day view, in a tabbed interface. The tabs will either be doctors or locations.

The right-hand side of the screen contains the following items:
- **Date:** By default, the date will be "today's date". You can change this either by typing in the field, or clicking the drop-down arrow, which will show a little calendar where you can pick a date.
- **Calendar View:** Choose month, week, or day. Default is month.
- **Schedule View:** Choose doctor or location. Default is doctor.
- **Holidays:** Presented for information only. Lists commonly observed national and Jewish holidays.
- **W/E Sched:** This button brings up a screen to handle weekend surgeries. The main interface shows only Monday thru Friday in all calendar views; the screen launched by this button allows you to see any weekend surgeries that have been scheduled and allows you to edit them.
- **Exit:** Closes this app and returns you to the handboard.

You see no data in this screen-shot because an archive database was used during development, which contains data from roughly 1995 thru 2001.

During testing, I worked with data mostly from 1999. Note that the date was changed accordingly. On this screen we can really see how data is displayed.

In each "day box", all the surgeries for the doctor (in doctor view) are displayed. In this view, each surgery item contains patient name, procedure, OR time, and location (if in doctor view), or doctor (if in location view). The full item can be seen if you hover the mouse over it, as shown in the screen shot.

Note that if a day is locked, the "day header" is shown in red, along with a lock icon and the lock reason in parentheses. A non-locked day has a blue header. A new type of item, a "time block", is shown in an aqua color (see the 20th in the screen shot below).

Underneath each day is a yellow strip that shows how many minutes are left in the day for scheduling (assuming 8 hours / 480 minutes). Note: If a day contains one or more items where the OR Time has not been given a value, the text "Mins Remain N/A" will appear in this area.
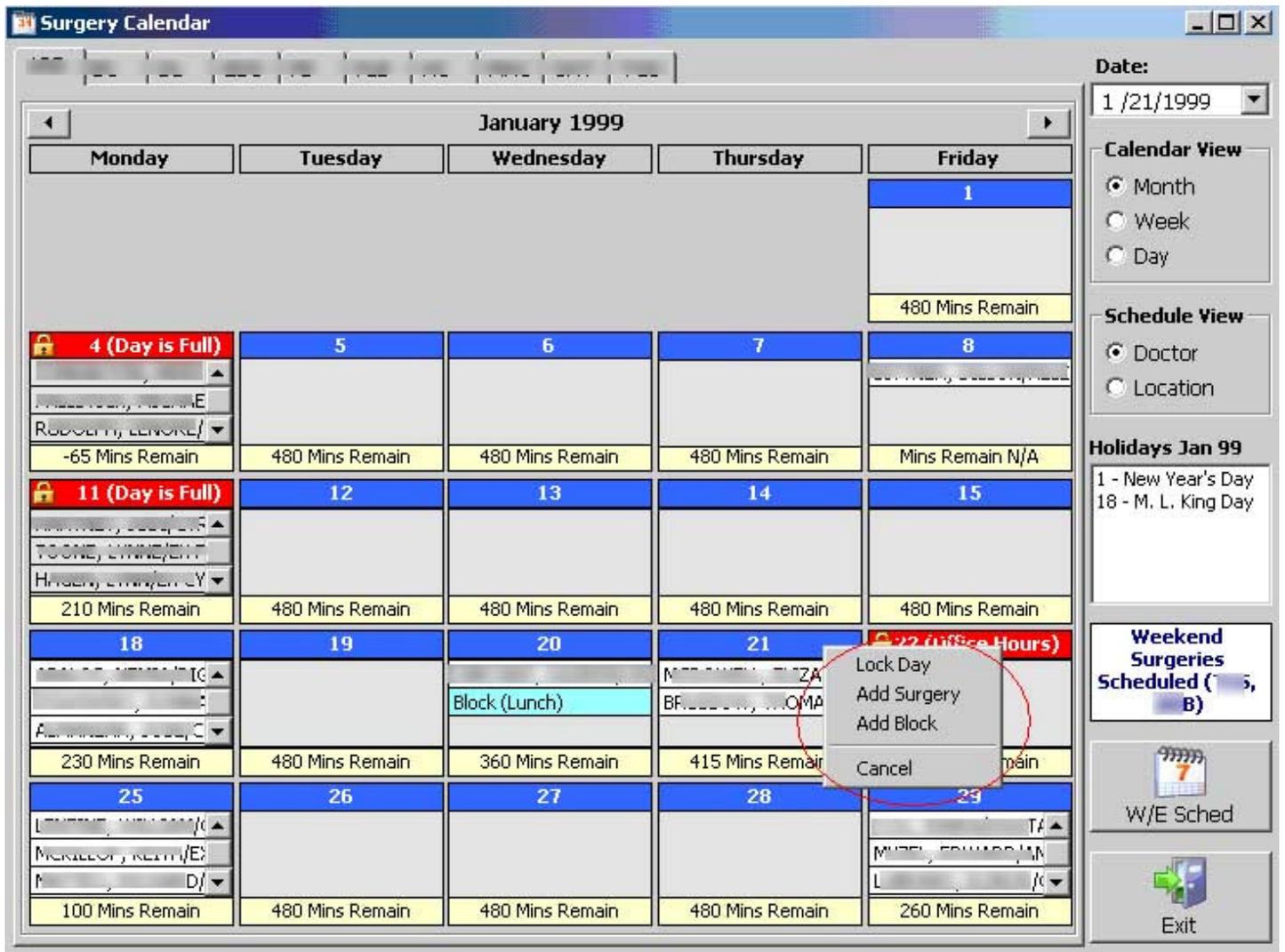
Note also that if the current month has weekend surgeries, a message will appear on the right-hand side of the screen as shown below.

A note on terminology ("lock" vs. "block"). In the existing database, a day was "locked" for a doctor by clicking on a lock button. However, the related fields and tables behind the scenes used "block" in the names. For clarification, however, when we say "lock" we are speaking of a lock for the day for a doctor. A "block" is the new item that is part of this application, which allows you to "block out" a segment of time on a given day for a doctor.

Most operations for scheduling are accomplished by "context menus" (AKA "right-click" menus). Clicking on a day header (as opposed to an item in that day) causes the menu shown below to be displayed. The choices are:

- **Lock Day or Unlock Day** – locks a day if it is unlocked and vice-versa. If user does not have scheduling permission, this will be grayed out.
- **Add Surgery** – Brings up the "Add Surgery" dialog screen, where you choose "Pending Surgery" (default) or "New Record".
  If you choose "Pending Surgery", you must select a patient and a pending surgery for that patient, which will come up on the dialog screen. Clicking OK on the dialog screen will then bring up the Surgery Scheduling screen in "edit" mode, where the details of the pending surgery can be filled in.
  If you choose "New Record" from the Add Surgery dialog screen and click OK, this will bring up the Surgery Scheduling screen in "add" mode.
  (enabled only if user has editing permission and day is not locked)
- **Add Block** – brings up a small pop-up screen for entering details about the time block (enabled only if user has editing permission and day is not locked)
- **Cancel** (closes the menu. Menu will also close when you click on a different item.)

The "Add Surgery" dialog screen:

Clicking on an item in a day (i.e. a surgery or time-block, as opposed to the day header) causes the menu shown below to be displayed. The choices are:

- **View Details** – brings up the Surgery Scheduling screen in "read-only" mode to show details about the surgery item. Accessible to all users.
- **Edit** – brings up the Surgery Scheduling screen (if a surgery item is clicked) or an edit screen for the time-block item if a block item is clicked) in "edit" mode. Enabled only if user has editing permission and day is not locked.
- **Delete** – Deletes the clicked-on surgery or time-block item. Will prompt you to confirm first. Enabled only if user has editing permission and day is not locked.
- **Cancel** (closes the menu. Menu will also close when you click on a different item.)

Shown below is this application's version of the Surgery Scheduling screen (in "Add" mode), as described above. This screen contains all of the fields that were in the existing database application, with the addition of "OR Time", where you select or enter the estimated amount of time, in minutes, that the procedure will take.

Things to note:
- The patient field is a "search-as-you-type" drop-down box. When selecting a patient, type the first few letters of the patient's last name, and a list will drop down containing all the patient's whose last name starts with that letter.
- The following fields are required to save a record: Patient, OR Time, Est Proc, Doctor, and Hospital (facility).
- The Edit and Delete buttons are there because if you to choose to "View Details", then decide to edit or delete the record, you can do so from this screen. These buttons would only be enabled if you had edit permission and the day was not locked.

Shown below is a screen shot of the Surgery Scheduling screen in Edit mode.

When you go to lock a day (off of the main calendar screen), you choose a lock reason from this screen:

Shown below is the screen that comes up when you go to do a "block time" operation:

Dragging and Dropping

Another way to edit an item, if you want to change only the date (i.e. move a surgery from one day to another) is by dragging the item from the original day and dropping onto the new day. This can be done when either in monthly or weekly view. Available only if user has editing permission and the original day is not locked.

When you go to do the drag/drop operation, the mouse pointer will change, for a surgery or block item respectively, as follows:

surg_Drag.ico   block_Drag.ico

The weekly calendar view is shown below. The same context menu operations apply.

Surgery Calendar

Date: 1 /18/1999

Monday, January 18, 1999 through Friday, January 22, 1999

Mon Jan 18 — 230 Mins Remain

Patient Name	Procedure	Mins	Location
	DIGITAL NERVE REP	60	
	TENOVAGINOTOMY	35	
	CTR	120	
	TRIGGER RELEASES	35	

Tue Jan 19 — 480 Mins Remain

Patient Name	Procedure	Mins	Location

Wed Jan 20 — 360 Mins Remain

Patient Name	Procedure	Mins	Location
	ORIF 4TH MC, REP EXT TENDON	60	NON-
	Block (Lunch)	60	

Thu Jan 21 — 415 Mins Remain

Patient Name	Procedure	Mins	Location
	CTR	35	
	TENOVAGINOTOMY	30	

Fri Jan 22 Office Hours — 480 Mins Remain

Patient Name	Procedure	Mins	Location

Calendar View
- ○ Month
- ● Week
- ○ Day

Schedule View
- ● Doctor
- ○ Location

Holidays Jan 99
1 - New Year's Day
18 - M. L. King Day

Weekend Surgeries Sche...

W/E Sched

Exit

The daily calendar view is shown below. The same context menu operations apply.

Surgery Calendar

Patient Name	Procedure	Mins	Location
	DIGITAL NERVE REP	60	
	TENOVAGINOTOMY	35	
	CTR	120	
NANNEN, KENNETH	TRIGGER RELEASES	35	

Monday, January 18, 1999 — 230 Mins Remain

Date: 1 /18/1999

Calendar View
- ○ Month
- ○ Week
- ● Day

Schedule View
- ● Doctor
- ○ Location

Holidays Jan 99
1 - New Year's Day
18 - M. L. King Day

Weekend Surgeries Scheduled

W/E Sched

Exit

Shown below is the monthly calendar, in "location" view. All non-XXXX data will be grouped in the last tab. In the historical data, there was only one XXXX. Thus only XXXX and NON-XXXX tabs apply in the screen shot below.

With the new facility (with two ORs), there will be three tabs total: XXXX-1, XXXX-2, and NON-XXXX. (The exact names of 1 and 2 is up to you of course).

In this view (location), if you a see a "little people" icon on the right in the day header, this means that two or more doctors have surgeries scheduled for the same day in the selected location. In this case, clicking on the day header will cause the system to "toggle" or "cycle through" each doctor's schedule in that day.

Location view, weekly:

Surgery Calendar

| NON- |

Monday, January 18, 1999 through Friday, January 22, 1999

Date: 1 /18/1999

Mon Jan 18 — 230 Mins Remain

Patient Name	Procedure	Mins	Doctor
	DIGITAL NERVE REP	60	A
	TENOVAGINOTOMY	35	A
	CTR	120	A
	TRIGGER RELEASES	35	A

Tue Jan 19 — 40 Mins Remain

Patient Name	Procedure	Mins	Doctor
C	DEQ REL	30	B
M	TEV AMP W/ADV FLAP	50	B
C	TENOVAGINOTOMY	20	B
GOLITE, DENNIS	FLEXOR TENDON REP	70	B

Wed Jan 20 — Day is Full — 137 Mins Remain

Patient Name	Procedure	Mins	Doctor
E	EX EPIDERMOID CYST	28	F
V	CTR, TRIGGER RELEASE	35	F
F	PIN REMOVAL	20	F
PRINKEWICZ, THEODORE	EX.MUCOID	60	F

Thu Jan 21 — 415 Mins Remain

Patient Name	Procedure	Mins	Doctor
M	CTR	35	J
E	TENOVAGINOTOMY	30	J

Fri Jan 22 — Day is Full — 80 Mins Remain

Patient Name	Procedure	Mins	Doctor
D	EX BX	50	T
R	INCISION & DRAINAGE	30	T
T	DIGITAL NERVE REP	30	T
W	INCISION & DRAINAGE	30	T

Calendar View
- ○ Month
- ● Week
- ○ Day

Schedule View
- ○ Doctor
- ● Location

Holidays Jan 99
1 - New Year's Day
18 - M. L. King Day

Weekend Surgeries Sched

W/E Sched

Exit

Location view, daily:

A screen-shot of the Weekend Surgery Schedule is shown below. This will show all of the surgeries scheduled for all Saturdays and Sundays in the currently selected month (if there are any). All of the same operations described previously are available for these items, but they are performed with the buttons on the bottom of the screen rather than with right-click menus.

By default the data in the list is sorted by date, doctor, location, then patient. The sort can be changed by clicking on the desired column header. When an operation is completed, the list will refresh and will revert to the original sort sequence.