Making The CDC DB Operational

The three tables are presently just “standalone” tables. They will be more effective when we link them together, and set up mechanisms to manipulate the data they contain.

The Three Tables

- The three tables are unconnected, but we intend for there to be a relationship between the fields of the Visits table and the fields of the other two.
Define Relationships Among Tables

- Use the Relationships tool ...
- Drag the ID fields from their positions in Clients and Doctors, to their positions in Visit to establish the relationship that these are intended to be the same information.

Queuing A Patient

- Once the client record is filled out, the receptionist will want to “queue” the client to be seen by one of the health professionals.
- Queuing amounts to creating a record in the Visits table with the ClientID filled in and the DoctorID filled in.
- The Client Form must be reconstructed to make this possible ... the concept to be used is “linked form”
Example of The Link “Queue”

When rebuilding the clients form, include the three fields, Visits.VisitID, Visits.ClientID, Visits.DoctorID.

You are queried how you want to handle these fields, and the proper reply is “linked.”

Notice that the name of the linked form is “Queue.”

In a more complete implementation, this form would be more aesthetic, and would use a list menu so the doctors could be referred to by first name rather than number...
Building The Visit Form

Highlights On Visit

- Use names rather than Ids
  - Client
  - Doctor … and reorient the health professional's name
- Organization of the form and clean-up of information
- Skip to end button … the new entries at the back
- Tracking number … initially blank
- Order, a command button that causes the tracking number to be computed
Setting Tracking Number

- What should the tracking number be?
- The key goal is to avoid associating the number with the client, except via the Visits table
- Strong encryption and other powerful technologies could be used, but we will adopt a simple scheme:

  CDCxxxxxxx

  where xxxxxxxx is the hexadecimal number for

  Months_in_operation * 1000000 + VisitID

  computed by ...

Modifying cmdOrder_Click()

```vbnet
Private Sub cmdOrder_Click()
    Tracking.SetFocus
    Tracking.Locked = False
    Tracking.Text = "CDC" & Hex((12 * (Year(Date) - Year("5/5/99")) + Month(Date)) * 1000000 + VisitID)
    Tracking.Locked = True

    On Error GoTo Err_cmdOrder_Click

    DoCmd.DoMenuItem acFormBar, acRecordsMenu, 5, , acMenuVer70
    ...
End Sub```

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