

## FIT <br> 100 Review of SCCHC Operation

* Part II of Project 4 looks at the next set of operations: the requests for tests to be performed, as well the management of those requests as they make their way to the lab for processing and come back with results
- Enter client data
- Queue client for visit with health professional
$\square$ Health professional fills out consultation chart
- Order tests
$\square$ Label specimens
$\square$ Compare specimens to manifest
$\square$ Record results from test outcome


## FIT <br> 100 Ordering Tests

$\star$ The final act of a visit is for the health professional to "order" the tests

* You will need to set up 4-6 "visits" between your clients and health professionals in order to have records where you can order tests
$\%$ The action of ordering in the database system is to create the client's tracking number
* This involves adding a command button control and programming the creation of the tracking number



## FiT

* Like any command button control, the database developer places it on the form and programs the event handler
* The difference for Access is that the handler will prepare for different operations... so selecting the right option is important



## FIT <br> 100 Computing the Tracking Number

* After completing the form wizard, the command button event handler has the following code:
Option Compare Database
Option Explicit
Private Sub cmdOrder_Click()
On Error GoTo Err_cmdOrder_click

DoCmd.DoMenultem acFormBar, acRecordsMenu, 5, , acMenuVer70
Exit_cmdOrder_Click:
Exit Sub
Err_cmdOrder_click:
MsgBox Err.Description
Resume Exit_cmdOrder_Click
End Sub

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100 Enter the Tracking Number

* The tracking number field is something the user cannot enter (locked field) and cannot change...
TrackingNumber.SetFocus
TrackingNumber.Locked = False
TrackingNumber.Text = "SCCHC" \& Hex((12 * (Year(Date) Year( "06/26/01")) + Month(Date)) * 1000000 +VisitID) TrackingNumber.Locked = True
* What is the tracking number? It is the letters "SCCHC" followed by the computer's hexadecimal encoding of the number of months since the creation of the database followed by the VisitID
* The tracking number is reversible, but not easily associated with a person or a visit


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100 The Results ..

* Click on Order to create the tracking number IF tests are



## FIT <br> 100 SCCHC Design Thus Far

* The SCCHC has the following components so far:
- tblClient table with frmClient, frmReception form and linked frmSeeHealthPro form (starts rows of data in the Visit table)
- tbIHealthProtable and frmHealthClinicStaff form
- tblVisit Table and frmConsult Form with Order button to set the tracking number
* Now all you need to do is prepare for the post-visit processing
* The main idea in "post visit" processing is to build new tables from the data in the Visit table
* These virtual tables (views) are produced through queries
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## FIT <br> 100 Queries: Create Tables From Tables

* The queries you will use are questions to the database system asking to view the requested data in a new (virtual) table




## FIT <br> 100 Queries Can Do More Than Show Columns．．．

＊Records with specific properties can be tested

| －Query 1 Select Query |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | DateOfVisit | TrackingNumber | DrugTes | HIVTes | AidsTe |
| － | 12／4／2000 | SCCHCB71 B01 | $\square$ | $\square$ | $\square$ |
|  | 12／4／2000 |  | $\square$ | $\square$ | $\square$ |
|  | 12／4／2000 |  | $\square$ | $\square$ | $\square$ |
|  | 12／4／2000 |  | $\square$ | $\square$ | $\square$ |
|  | 5／25／2001 | SCCHC4C4846 | － | $\square$ | $\square$ |
|  | 8／6／2001 | SCCHCl312DOE | $\square$ | 回 | $\square$ |
|  | 8／6／2001 | SCCHCl312DOF | $\square$ | $\square$ | $\square$ |
|  | 8／6／2001 | SCCHC1312D10 | $\square$ | $\square$ | $\square$ |
|  | 8／6／2001 | SCCHC1312D11 | $\square$ | $\square$ | $\square$ |
|  | 8／6／2001 | SCCHCl312D12 | $\square$ | $\square$ | $\square$ |
| ＊ | 8／7／2001 |  | 圆 | 圖 | 圖 |

＊We can create a query that keeps only those entries where the Tracking field is not empty and a drug test was requested



## FIT <br> 100 Wrapping Up the SCCHC Database

* There should be a query (virtual table) built for each test offered
* Labels and Reports can be built from the same queries
* You will have to take what you have learned today (and read the project description) to figure out how to build additional queries that will prompt a user for the date and then recreate the virtual tables to allow them to enter results back from the labs

