

FIT 100 Review of SCCHC Operation

At the SCCHC there are various operations, some performed for each client, others performed at larger intervals

Enter client data

- □ Start the process for a client to visit with health professional
- □ Health professional fills out consultation chart
- ✤ To be covered on Friday (part II) □ Order tests
 - □ Label specimens

 - Compare specimens to manifest □ Record results from test outcome

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FIT 100 How Does the Client Provide Information?

- * A form has been created called frmClient that will be used to provide personal information by first-time patients
- * After the form is filled out, the information from it is entered into the database and is stored in the tblClient table
- * One could imagine that this form might be filled out by the Client themselves and returned to the desk, or a volunteer in charge of new patients might enter the information into the form directly after asking questions
- * Once the information is entered, another form can be used to view and verify the information just before setting up a Visit with a Health Professional © Copyright 2000-2001, University of Washingto

- FIT 100 What Is A Visit?
- When the receptionist is done verifying data from the frmReception form, an output of data from the tblClient table, the client is set up for a face-to-face visit / appointment with a health professional
- What does a visit mean in within the context of our database?
- Remember a Visit in the SCCHC database means to establish the relationship between the Client and the HealthPro ... we represent a single one of these relationships by a row in the Visit table, so....

[□] Setting up an appointment/visit must involve creating a row in the Visit table with the initial data of a client and a health professional © Copyright 2000-2001, University of Washing









FIT 100 Creating the Initial frmConsult Form

You will create the consult form in part I, and add more to it in part II:

The form will require information from all three tablesWhat is necessary?

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FIT 100 Test Request Information

- There are two aspects to a test request:

 The information that a test has been requested

 The outcome of the test
- The two aspects will be treated separately
 For each <test>, there is a <test>R checkbox field for the request
 For each <text>, there is a <test>O text field for the outcome
- On the frmConsult form it should make sense that the health professional needs to work with the request checkboxes, but does not need to see the outcome fields since it is assumed that there are no outcomes before a test is even requested

 Screen Shot of Form Wizard For Consult

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FIT 100 Remember Operations On Tables

- A use of tables is to construct other tables from them.
- The Dean's list of students shown last week was a table constructed from other tables using several table operations

Dean's View of Database								
Student_ID	Nick_Name	Major	GPA	Street_Address	City	State	Country	PostalCode
1021253	Chela	INFO	3.89	14 Mountain Ave	Victoria	BC	Canada	V6N4T4
1021343	J.T.	SPAN	3.85	1715 65 th Ave	Seattle	WA	USA	98125

This table doesn't exist by itself. It is a view of certain rows and columns from other tables.

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Find Implementing Table Operations With SQL Let's see how various table operations are actually done using a database language SQL stands for Structured Query Language. SQL is the de facto query standard for accessing and manipulating data in relational databases In Access you will use a graphical query interface, called the QBE (Query By Example), that generates SQL for you But let's see what is happening when SQL clauses are implemented against data stores





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Advisor	advises Student
Advisor	Student
AdvisorID	SID
FName	FName
LName	LName
Department	MajorID
HireDate	AdvisorID
PK AdvisorID	PK SID © Copyright 2000-2001, University of Washington







Using Relationship Operators

□ Examples:

SELECT FName, Lname FROM Advisor WHERE HireDate >= 1987;

SELECT FName, LName, Major FROM Student WHERE SID < > 0023892;

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Logical Operators: AND, OR, and NOT

□ Examples:

SELECT FName, Lname FROM Advisor WHERE HireDate > 1987 OR HireDate < 1962;

SELECT FName, LName FROM Student WHERE AdvisorID = 44232 AND Major = "INFO";

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