

Hand In: Database file only in blackboard

Mark: /48

**PART I:**

Save this file from Blackboard: **FirstName LastName Lab5.accdb** (rename and add your own name)

**Get started:** Look through the tables and get acquainted with the data in each table. Put your name in Patient ID 22500. Leave the rest of the data in this record as is. **(2)**

**Relationships**

Create a relationship for each table, enforcing referential integrity and cascade updates. Ensure all field names are showing for each table in the relationship window. **(2)**

**Form with Subform**

- ☐ Using **Form Wizard**, create a mainform named frmMain-XX, and then insert a subform named frmSub-XX (XX are your initials) **(2)**
- ☐ Line up controls as shown – it doesn't have to be EXACTLY as I did, but similar. **(1)**
- ☐ Add any applicable image in the header area, add background color in both sections. **(2)**
- ☐ Add a line control and increase its width. **(1)**
- ☐ Add a rectangle (not shown) around patient table controls and change its color. **(1)**
- ☐ Increase font sizes of all controls and change font color to black. **(1)**
- ☐ Add a label control below subform and add text as indicated (form created by....). **(1)**
- ☐ Add a dropdown box to find records (Lookup Patient ID) **(2)**

## Patient Visits

Lookup Patient ID:

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Patient ID

Last Name Date of Birth

First Name Phone

Date of Visit	Reason/Diagnosis	Comments
11/17/2015	Migraine	
*		

Record: 1 of 1  No Filter Search

*Form created by: your name here*

Record: 1 of 51  No Filter Search

### Report with Two Tables

- ☐ Using the **REPORT WIZARD**, create a report as shown, naming it rptPatient-XX (XX are your initials) **(2)**
- ☐ Sort by visit date **(1)**
- ☐ Line up controls as shown, and make sure all data and heading text are visible and not cut off.
  - ☐ Note that I moved some of the controls over to the left **(1)**
- ☐ Increase heading font sizes and add a thick line under them **(1)**
- ☐ Add a rectangle control (same thickness as your line under headings) filling entire report header area **(2)**

Patient Report- Your Name Here					
ID	Last Name	First Name	Phone	Date of Visit	Reason/Diagnosis
22500	Student Last	Student First	860-938-2822	11/17/2015	Migraine
22501	Darcy	Edward	860-305-3985	11/30/2015	Influenza
22502	Mendez	Andreas	860-552-6893	3/30/2016	Annual wellness visit
22505	Finnerty	Amber	860-226-4930	1/26/2016	Annual wellness visit
22506	Gorski	Drea	860-305-8394	4/1/2016	Fifth Disease
22507	Weiss	Matthew	860-426-7492	4/8/2016	Fifth Disease follow-up
				11/9/2015	Diabetes mellitis Type 2 - initial diagnosis
				2/9/2016	Diabetes mellitis Type 2 - serum glucose check
				4/7/2016	Diabetes mellitis Type 2 - serum glucose check

## PART II:

### Crosstab Query

Create a regular query first using the billing and invoiceItem tables, and select the required fields (see below). **Save it as qryForCrosstab. (3)**

Create a crosstab query using the query you saved above. In the headings, -1 means invoice was paid, 0 means invoice was not paid. Save crosstab query as **Crosstab-XX**. Not all results are shown below. You don't have to make any changes to the headings. **(5)**

Invoice Item	Total Of InvoiceAmt	-1	0
Bone setting and cast	\$300.00		\$300.00
Cast of fracture	\$300.00	\$300.00	
Cast removal	\$150.00		\$150.00
EKG with interpretation	\$75.00	\$75.00	
IM injection	\$106.00	\$106.00	
Influenza vaccine	\$58.00	\$58.00	
Lab - culture	\$48.00	\$48.00	
Lab - serum glucose	\$96.00	\$48.00	\$48.00
Lab work	\$1,077.00	\$125.00	\$952.00

### Other Queries

1. **tblPatient**: select firstName, lastName, and city. Using IN operator, display only Patients that live in the Cities of Windsor, West Hartford, and Meriden. Sort alphabetically by City. Save as **qry1 (5)**
2. Create a query with PatientID, Address, City. (City field will not show in query's results). Sort by PatientID. Display all cities except Hartford. In a new column display **Full Address** as shown. In another new column, display the **Message** shown only if the City is Bloomfield. Below is a screenshot of part of the result. Save as **qry2. (6)**

Patient ID	Address	Full Address	Message
22501	723 Oxford Ave	723 Oxford Ave, Bloomfield	a great place to live!
22502	57 Wallace Rd	57 Wallace Rd, Windsor	
22506	83 Everett Ln	83 Everett Ln, Bloomfield	a great place to live!
22510	59 Nicola Ave	59 Nicola Ave, Meriden	
22511	61 Osmond Way	61 Osmond Way, West Hartford	
22513	16 Ravine Rd	16 Ravine Rd, Bloomfield	a great place to live!

### Form with Subform, continued

- ☐ Use Mainform/Subform you created in the beginning of the lab
- ☐ Create a control that will calculate and display the number (count) of visits (subform) for each patient (mainform).
- ☐ You decide where to put the control on your form **(5)**

### Table Design Changes

Create a Field Validation rule - Invoice amounts must be greater than \$5. Use an appropriate message if rule not followed. **(2)**