CGS 2545: Database Concepts Fall 2010

LAB #4

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Lab #4 – The User Interface

- The objective of this lab is to introduce you to the switchboards in Access.
- The switchboard manager is the component of Access which deals with the user interface, i.e., the design of a switchboard.
- While you are becoming a proficient user of/and knowledgeable in the organization of Access, many potential users of the databases that you will develop are not.
- The user interface ties the various database objects together in such a manner that the database is easy to use for even a non-skilled user.

NOTE: In the slides that follow, if the call-out symbol is outlined in red, it means that there is something for you to try, if the call-out is outlined in blue, I am simply giving you some information about what is displayed on that page.



Lab #4 – The User Interface

- The switchboard manager is an Access utility that prompts you for information about each menu that you will include in your switchboard design.
- To remember what a basic switchboard looks like, start the Northwind sample database and you will see the switchboard as shown below.







Creating A Switchboard

- Since the switchboard provides a user with the ability to manipulate various objects in the database from a high-level perspective, it is required that you create a switchboard on an already created database. Preferably one with queries, forms, reports, and possibly other objects defined.
- I would suggest that you look at the definitions for the switchboard that is defined in the Northwind sample database first, before you continue with this lab.





Creating A Switchboard

- Having looked at the Northwind switchboard, lets now move on and create our own switchboard.
- To do this, download the suppliers-partsjobs-shipments database from either the course website or the lab section (Lab 4) on WebCourses.
- This fairly simple database has been created with a couple of queries, forms and reports already set-up so that we have something to put on our switchboard.
- Once you download this database, open it in Access and you should see the following screen.



The Suppliers-Parts-Jobs-Shipments Database





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Starting The Switchboard Manager

- Click the **Database Tools** tab.
- In the **Database Tools** group, click **Switchboard Manager**.
- Click Yes if you see a message indicating that there is no valid switchboard and asking if you want to create one.
- You should then see the Switchboard Manager dialog box (See page 10).
- The sequence of slides on the next few pages illustrates this sequence of operations.

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Starting The Switchboard Manager





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Make Default

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All Access Objects All Access Objects Shipments Suppliers Switchboard Items Queries Supplier names who ship Supplier names with ship Forms Jobs Parts	 Upon returning to the main database window, select Forms from the object list and you will see the new Switchboard listed among the variation forms. Double-click the Switchboard form activate itdon't worry too much a its current format, you can always change it. Right now we just want test the features available from the switchboard. 	se ects ius to bout to
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Assessment Point #1

- At this point, be sure that all of your buttons on the switchboard do what you wanted them to do and go back and modify any that don't perform the action you want.
- For example, maybe you really wanted the user to only be able to add new suppliers and not to be able to modify existing rows in the table. Then reset the Command mode to Open in Add Mode rather than the Open in Edit Mode we used. Try it.
- Once you're comfortable with your switchboard, move on and we'll add an icon to it to jazz it up a bit.







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Draw a box where you want your picture to display. The dialog box to appear for you to choose the image on your

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Lab Assignment #4

Lab Assignment #4 – Due October 12th by 11:55 pm (WebCourses time) – 25 points

Create a new (different from the one we just created in this lab) switchboard for the suppliers-parts database using the Switchboard manager.

Use the same cut and paste method as in previous labs for your submission. Just take a "picture" of your finished switchboard.

NOTE: Please use the following naming convention for your uploaded files:

HW04_LastNameFirstName.doc or HW04_LastNameFirstName.pdf

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