

A.I.S. Class 26: Outline

- Group Projects Stage 6
- Learning Objectives for Chapter 7
- Chapter 7 Quiz
- Group Work for Chapter 7
- New ACCESS Features
- ACCESS Control Features
- Final Examination

Group Projects Stage 6

- Does the software implement the design:
 - * Are all the tables implemented?
 - * Are the primary keys correct (including for link tables)?
 - * Are the attributes in accordance with the data repository structure?
 - * Are the relationships as per the R.E.A. diagram?
 - * Are there forms to maintain every (non-event) table?
 - * Are there forms + subforms to capture every event?
 - * Are the controls identified in Stage 4 implemented?
 - * Are there enough reports (in particular, are all the reports in Stage 3 implemented)?

Group Projects Stage 6

■ Does the software work correctly?

- * Are the required switchboard menus implemented?
- * Do the switchboard menus run automatically when the database is started?
- * Do the switchboard menus work?
- * Does ACCESS close on exit from the main switchboard?
- * Do Sales and Conversion buttons have unanticipated actions?
- * Do switchboard forms close correctly as the user moves between them?
- * Are ACCESS menus and toolbars eliminated throughout the system?
- * Are the tables correctly updated by the forms?

Group Projects Stage 6

■ Does the software work correctly?

- * Are **all** the link tables correctly updated (e.g., event-event links such as Orders-Receipts)?
- * Does test data on the tables appear to have been entered via the forms or is there invalid data on the tables?
- * Are there procedures to update any balance attributes stored on the tables?
- * Does data validation work correctly?
- * Do the database manipulation buttons work correctly?
- * Do the navigation buttons work correctly?
- * Do the forms visually distinguish editable from non-editable controls?

Group Projects Stage 6

■ Does the software work correctly?

- * Is the user supported by look-up lists from combo boxes etc. whenever possible?
- * Are form and report titles meaningful to the user?
- * Are forms and reports attractively presented?
- * Have unnecessary labels generated by ACCESS been removed from forms and reports?
- * Do reports include the appropriate data from different tables (especially link tables)?
- * Are items in reports and queries properly sorted?
- * Are reports appropriately totaled?
- * Are there any unexpected error messages generated?
- * Is the required documentation complete?

Group Projects Stage 6

■ Additional points to watch for:

- * Input Masks
- * Validation Rules
- * Validation Macros - quantities & amounts
- * Text v. Number (& effect on sequence)
- * Sorting queries & reports
- * Remove fsub labels
- * Use Captions to avoid "ObtInQuantity"
- * Kill: "Summary for 'Receive#' = 100019 (2 detail records)"
- * Naming conventions:
tblRequestGoods-Inventory etc.

Learning Objectives for Chapter 7

- In this chapter you will learn how to use Access to design tables, queries, forms, and reports that can help you to:
 - ◆ Create and maintain vendor records
 - ◆ Create and maintain materials inventory records
 - ◆ Print purchase orders
 - ◆ Summarize and report purchase order information
 - ◆ Record the receipt of ordered materials
 - ◆ Print checks and record disbursements to vendors
 - ◆ Summarize purchases and accounts payable information

Chapter 7 Quiz

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Group Work for Chapter 7

- Draw an REA diagram for the tables discussed in Chapter 7 of Perry & Schneider
- Identify at least 3 (minor) new features of ACCESS introduced in Chapter 7
- One difference between the M&G and P&S Purchasing models emerges at paragraph 5 on page 369. Explain!

New ACCESS Features

- Chr()
- IIF()
- IsNull() (*we used this in an Exercise solution already, although it had not been introduced in the text*)
- Also, note the “trick” in the middle of page 373

ACCESS Control Features

- Tables
- Queries
- Forms
- Reports
- Macros/VBA
- Switchboard Forms/Menus

Final Examination

- Common Examination
- 4:00 - 7:00 on December 20, 2000
- Lucy Stone Auditorium
- The examination will be designed to last 167 minutes
- You will have 13 minutes extra to finish, to fill in Scantron forms, and to turn work in at the front desk
- After this there will be a 6 points per minute penalty
- Be sure to write your name & ID where required
- BE SURE TO TURN YOUR PAPERS IN ON THE CORRECT PILES FOR YOUR EXAMINATION!!!

Final Examination

- The Final Examination will have the following sections (*points estimated*):
 - * A: Multiple Choice Questions – 50 x 3 points
 - * B: Essay - 30 points
 - * C: Definitions and Terminology - 10 x 2 points
 - * D: Short Questions / Problems - 4 x 10 points (?)
 - * E: System Flowcharting - 10 x 2 points
 - * F: REAL Modeling - 120 points
 - * G: Relational Databases and ACCESS
 - 7 questions, 120 points altogether