

A.I.S. Class 20: Outline

- Learning Objectives for Chapter 13
- Group Work for Chapter 13
- College Computing

Learning Objectives for Chapter 13

- After studying this chapter you should be able to:
 - ◆ use the General Systems Model to describe an information system for meeting the information needs relative to expenditure related business processes
 - ◆ identify a comprehensive set of information needs and user requirements for a database driven information system for expenditure related business processes
 - ◆ develop an extended entity relationship diagram depicting a data oriented view of expenditure related business processes

Learning Objectives for Chapter 13

- ◆ convert an extended entity relationship diagram of expenditure related business processes to tables for implementation in a relational database system
- ◆ construct a context diagram and a level 0 data flow diagram depicting a process oriented view of expenditure related business processes
- ◆ identify the tables and database forms that would be created to implement the data and process oriented models
- ◆ indicate how accounting views such as a listing of purchases and current accounts payable can be generated in a relational database system

Learning Objectives for Chapter 13

- ◆ identify controls that should be implemented in a database system for expenditure related business processes
- ◆ indicate how a database system for expenditure related business processes can be audited using the features available in relational database systems
- ◆ adapt an existing database design to accommodate changes in users' needs and business rules

Chapter 13 Summary

- General Systems Model
- Information needs
- Expenditure business processes
- REA modeling - EER
- REA modeling - data repository
- REA modeling - normalization
- DFD models
- ACCESS implementation
- Controls
- Auditing
- Change management

Group Work for Chapter 13

- The EER Diagram for Procurement Business Processes shown in Chapter 13 *in 1997* was a valid EER diagram - but it had not been designed by following the REA methodology we have been learning strictly
- Working in groups, identify any shortcomings of last year's model *without referring to the current model in Chapter 13*

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- Questions regarding DFDs or Internal Controls

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