



section III Design

- creating new system models
- file design fundamentals
- relational databases revisited
- file design for sunrise systems
- form design revisited
- the cornucopia case
- portfolio project

Chapter Objectives

When you complete this chapter you will be able to:

- **Develop the new system process model (DFD) from the preliminary USD**
- **Develop the new system data model (ERD) and object model (OM)**
- **Develop estimates of the resource requirements associated with file processing design**
- **Design graphical user interface dialogs (GUIDs) and screen forms to access system files and processes**



Creating New System Models

- The preliminary USD sketch provides the basis for the first joint application design session
- Its informal structure invites the user to suggest changes and actively participate in the design process
- Developing other new system models, such as the DFD and ERD, is made easier as the USD is refined during the JAD sessions

