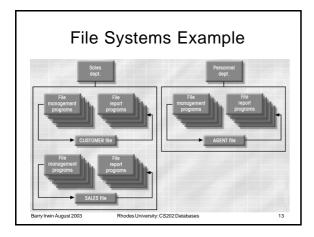


File Systems				File Systems		
 Field Definitions and Naming Conventions Flexible record definition anticipates reporting requirements Selection of proper field names important Attention to length of field names Use of unique record identifiers 			 Data Redundancy Different and conflicting versions of same data Results of uncontrolled data redundancy Data anomalies Modification Insertion Deletion Data inconsistency Lack of data integrity 			
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Database Systems Database consists of logically related data stored in a single repository Provides advantages over file system management approach Eliminates inconsistency, data anomalies, data dependency, and structural dependency problems Stores data structures, relationships, and access paths Barry Irwin August 2003 14 Rhodes University: CS202 Databases

