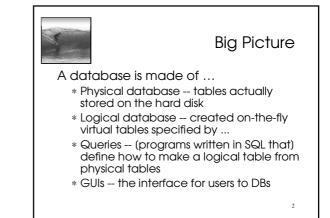
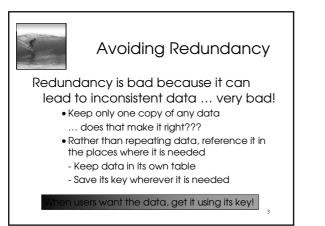
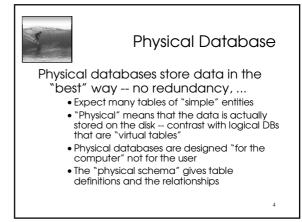


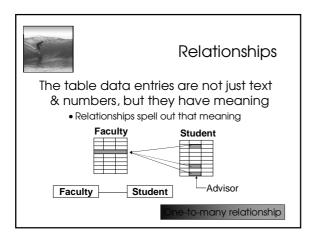
Databases are organized on two levels: 'physical' is how the data is stored, 'logical' is how it's viewed

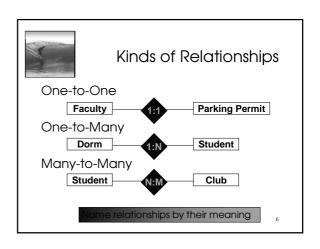
© 2006 Lawrence Snyde

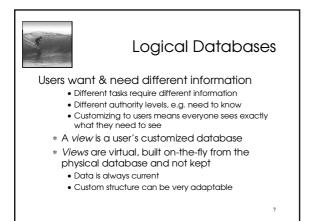


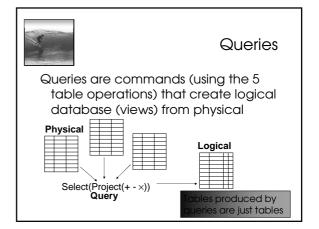


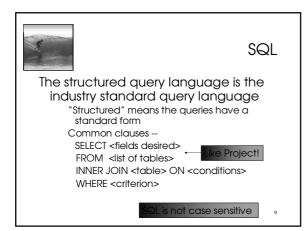


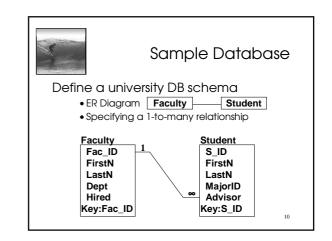


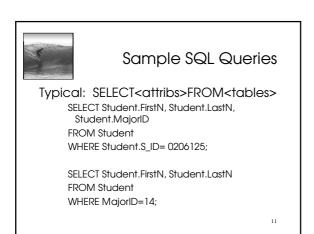


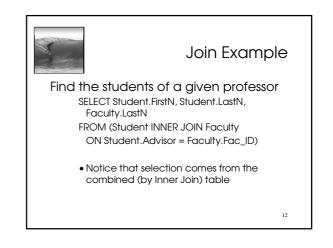












DB Design Paradigm Guidelines for good databases: • Build physical DB to avoid redundancy, etc • Build physical table represents 1 entity • Expect that no physical table gives any user their exact view • To build view, build a query that ... Joins tables together into a 'super' table Trims out only the items the user wants • These guidelines are not an algorithm, but they usually produce good results



Check out Project 3

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The Summary

A database is made of ...

- * Physical database -- tables actually stored on the hard disk
- * Logical database -- created on-the-fly virtual tables specified by ...
- * Queries -- (programs written in SQL that) define how to make a logical table from physical tables
- * GUIs -- the interface for users to DBs

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