

Class 10/15/09

1.) conceptual design

entities,relationships

2.) logical design

data model construction

dbms user space

3.) physical design

dbms system space

data placement on media

ER MODELING

1. concepts

entity - some single thing in the database that your trying to model

- a. distinguishable
- b. has features
- c. entity set: entities with common features

features: attributes

relationship -

- 1.) a set : it can also have attributes
- 2.) a mapping cardinality to go from a set A to a Set B or visa versa

ex 1 -1, one to many, many to one, many to many

participation constraints

total participation

attributes

simple attribute

like first name, or something

composite attribute

name -> can be broken into many different parts like
firstname,lastname,middlename,suffix

multi valued attribute

telephone number ::: cellphone,home , home2 , work , business

derived attributes

2. ER diagram

