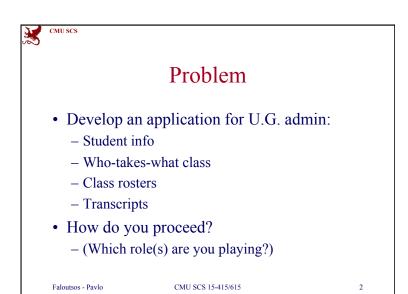


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C. Faloutsos - A. Pavlo Lecture#2: E-R diagrams



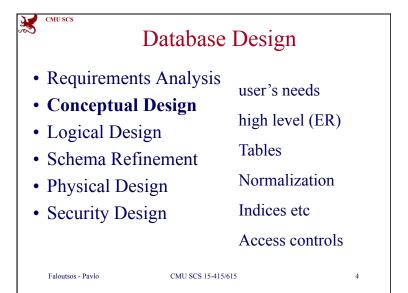


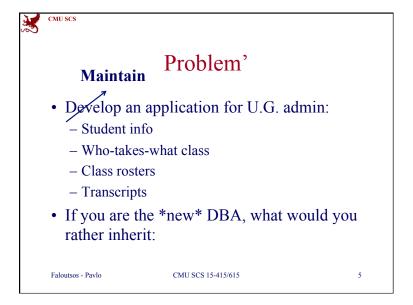
## Database Design

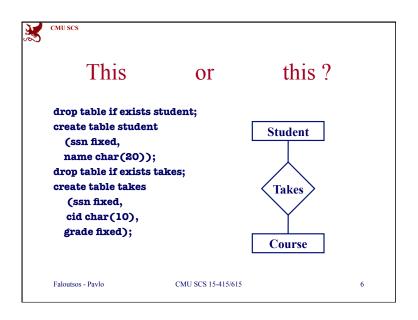
- Requirements Analysis
- Conceptual Design
- Logical Design
- Schema Refinement
- Physical Design
- Security Design

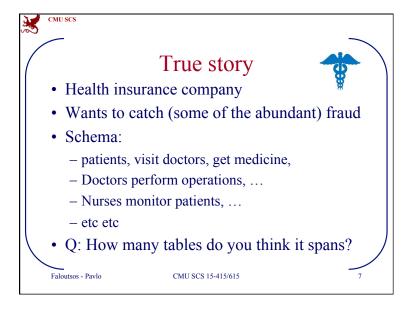
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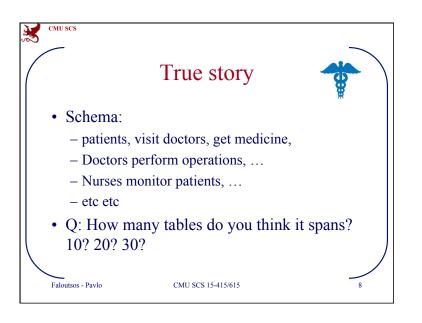
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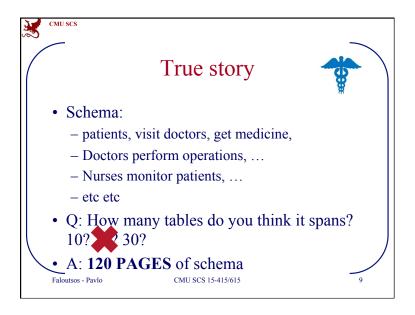


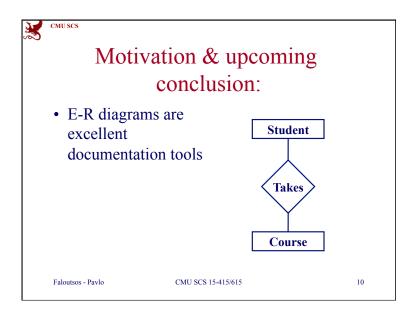


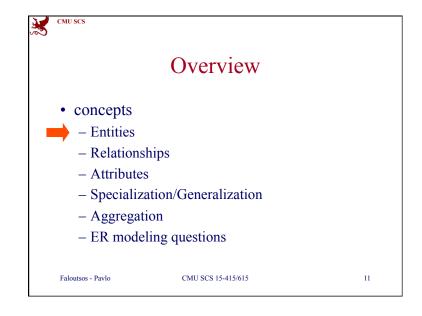


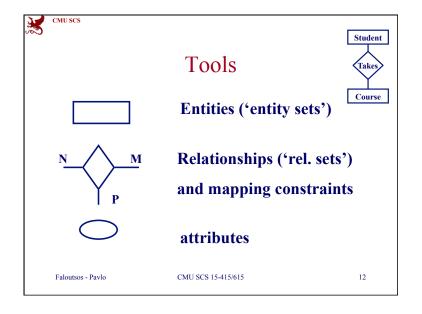


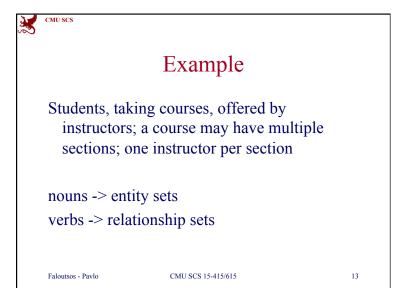


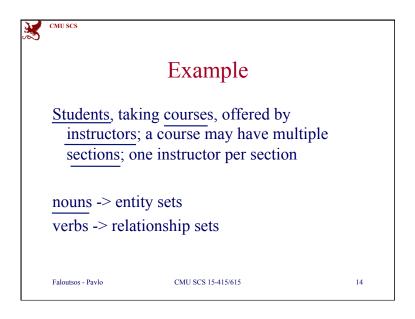


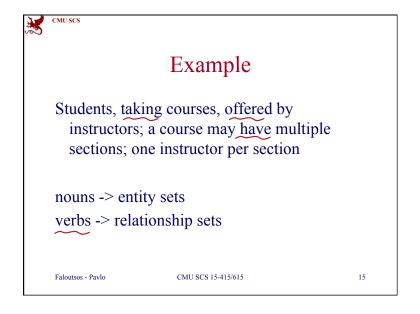


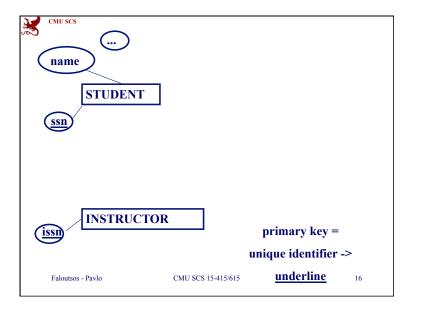


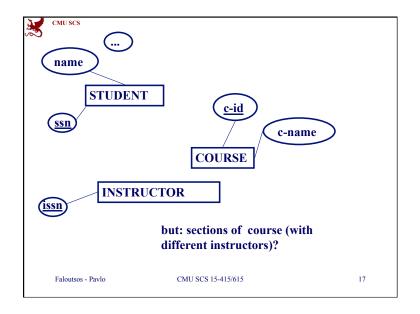


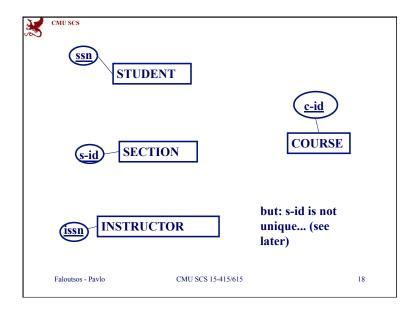


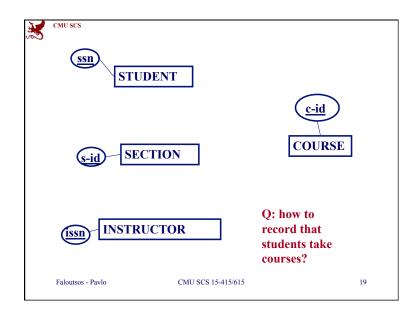


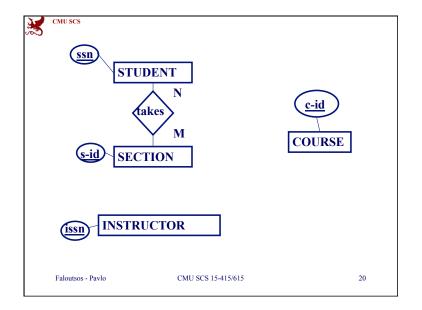


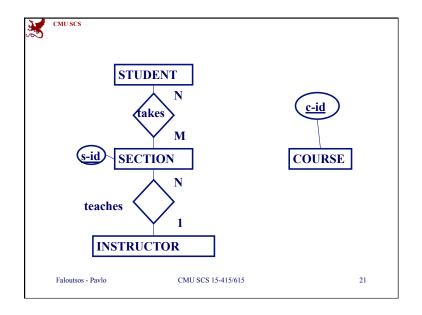


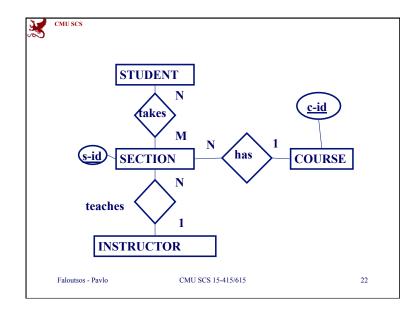


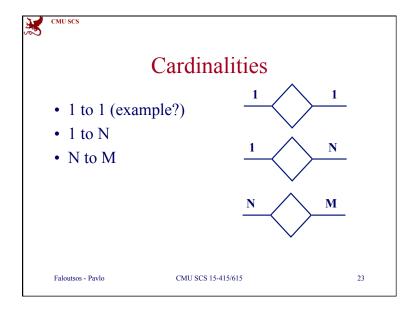


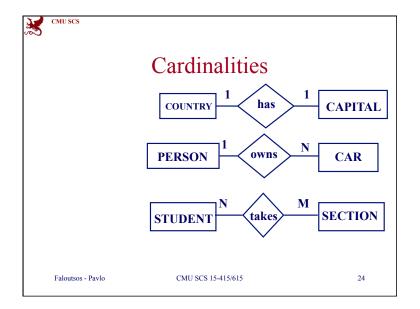


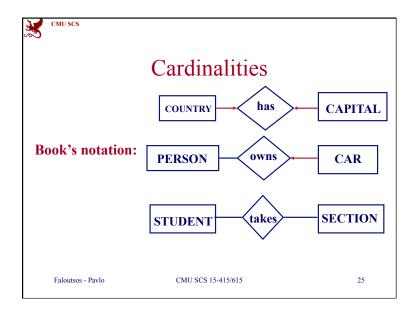


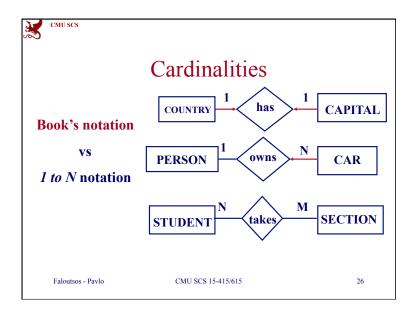


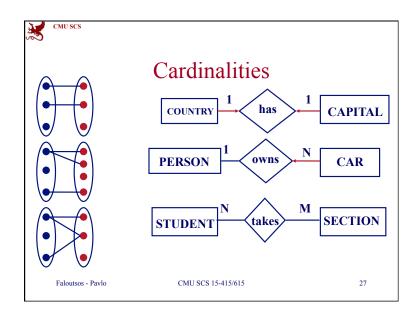


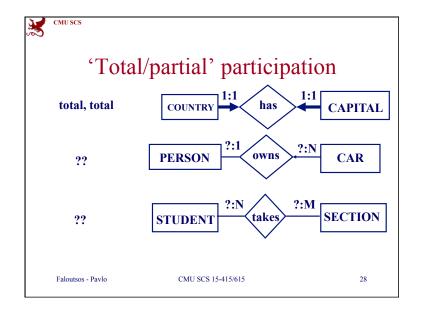


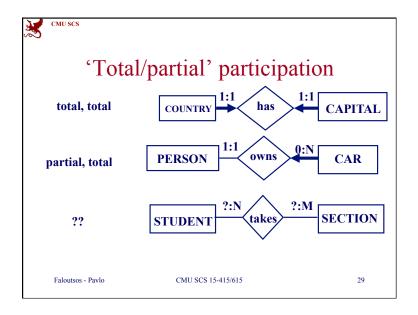


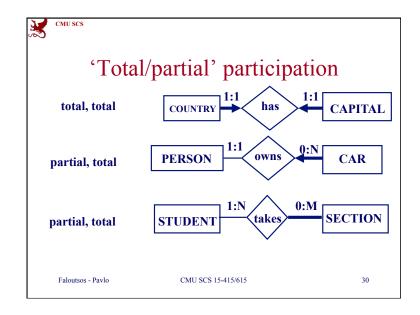


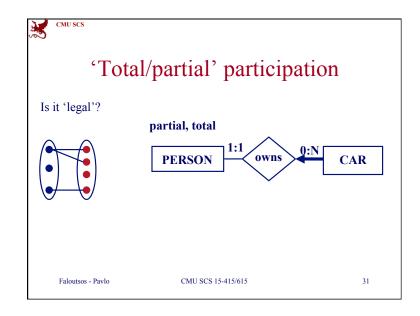


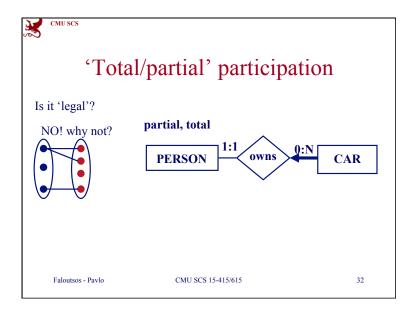


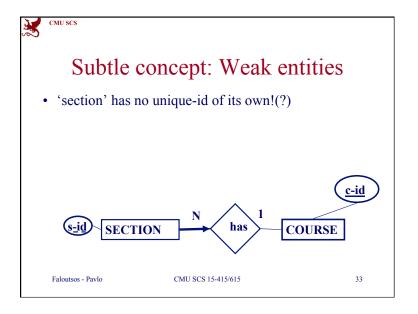


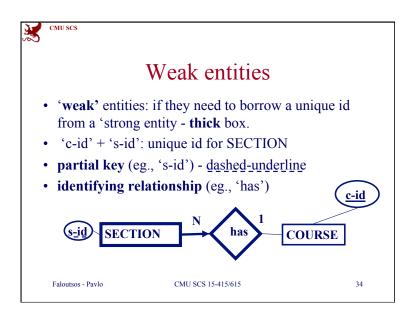


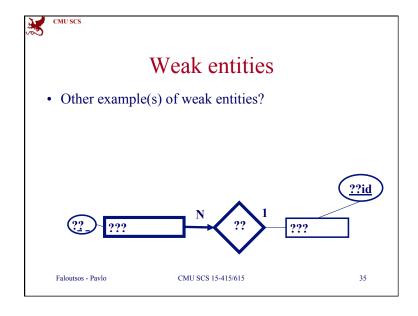


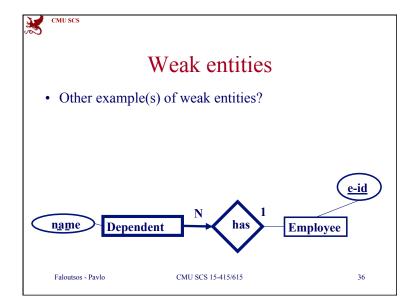


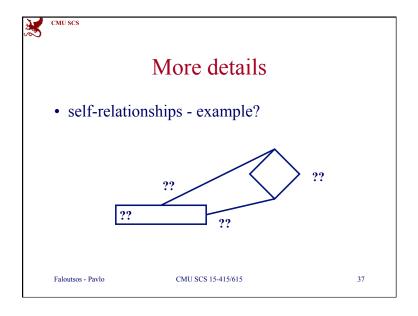


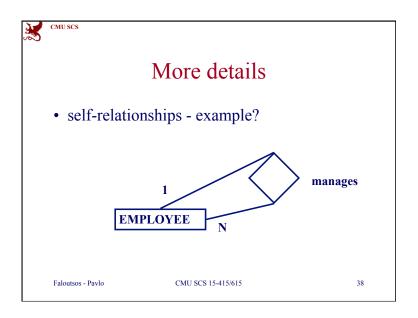


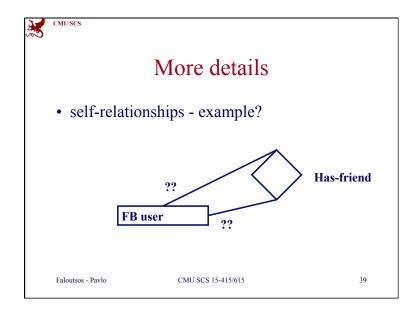


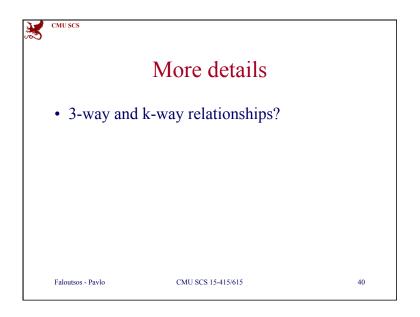


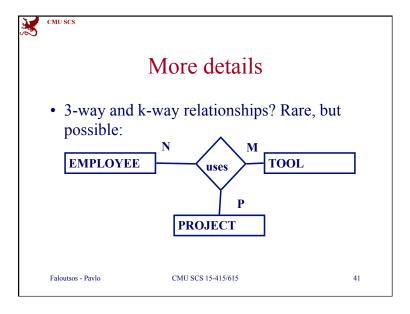


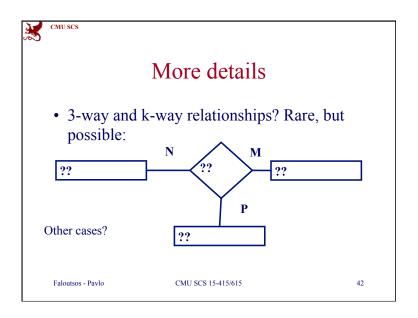


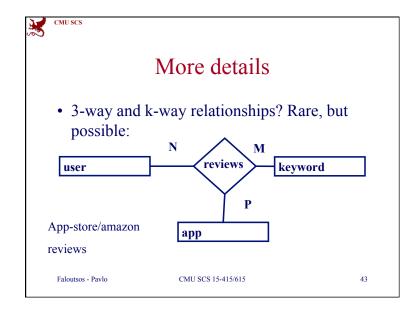


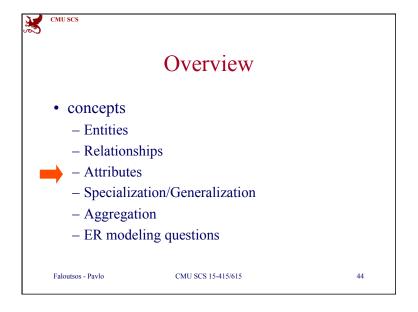


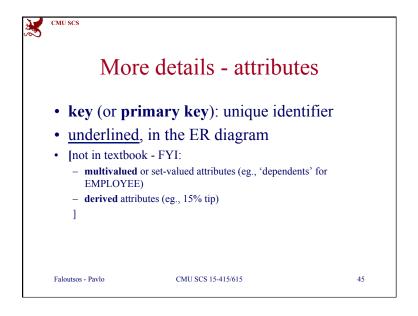


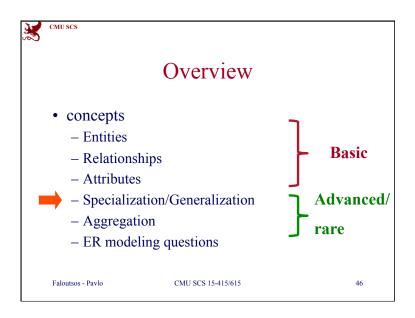


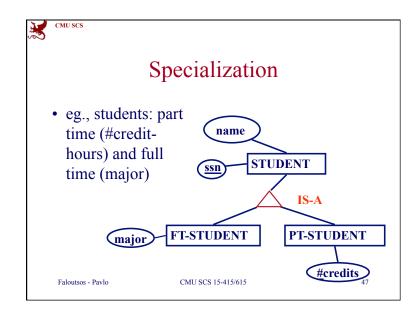




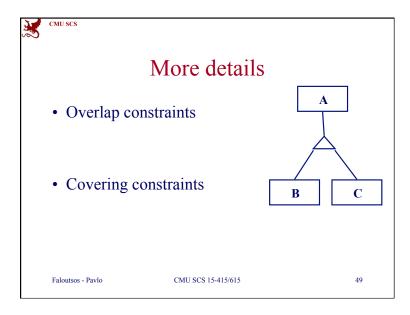


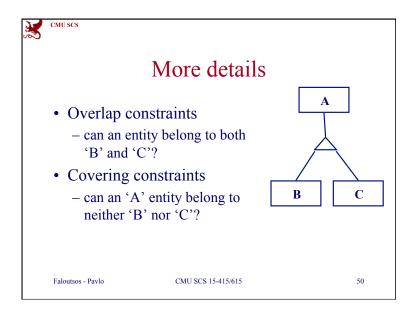


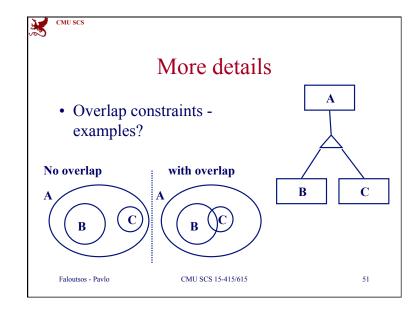


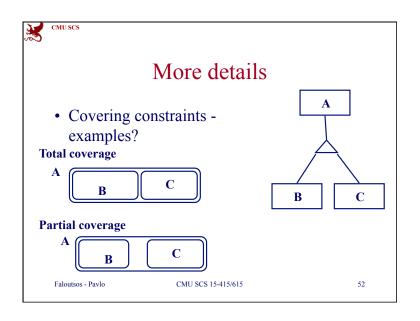


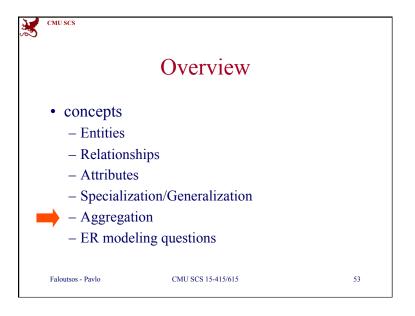


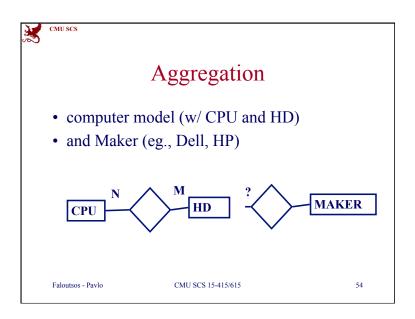


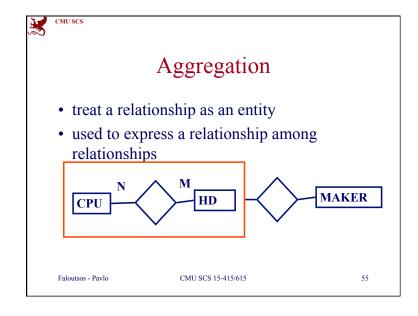


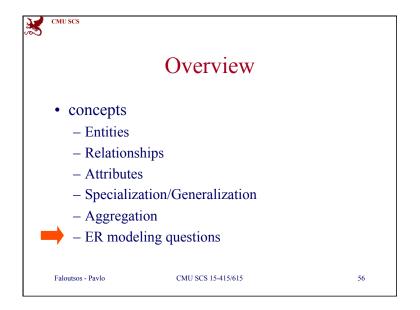














## Conceptual design

- Entity vs attribute
- Entity vs relationship
- Binary or ternary relationships?
- Aggregation?

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57

