COP 4710: Database Systems Fall 2007

Chapter 3 – In Class Exercises

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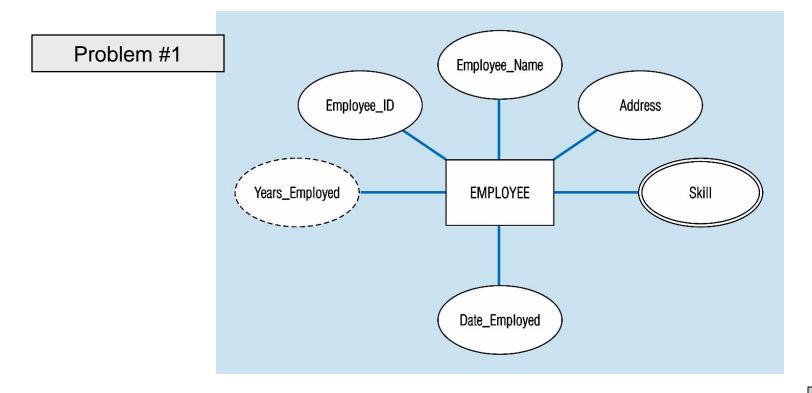
http://www.cs.ucf.edu/courses/cop4710/fall2007

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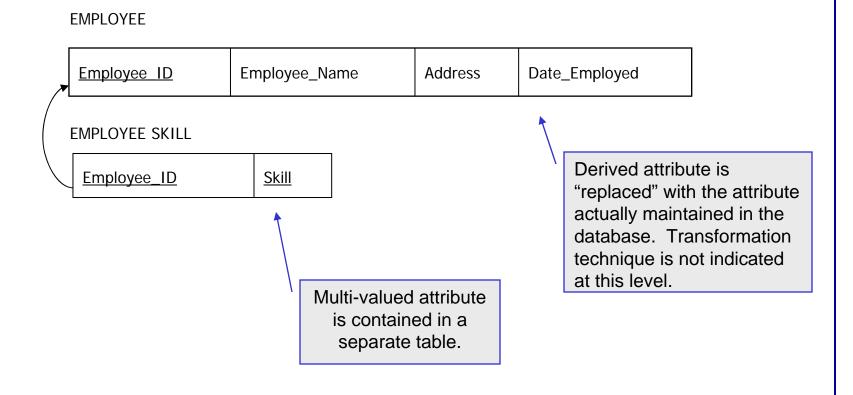


Introduction

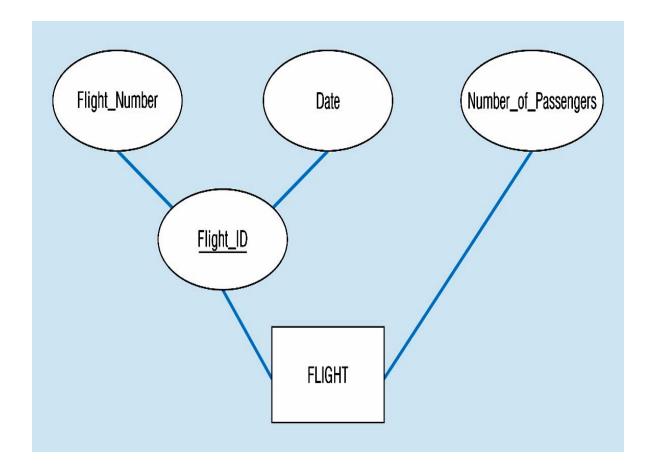
• Transform each of the ER diagrams shown on this and the following few pages, into a set of relational schemas which show referential integrity constraints.





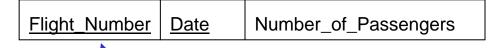






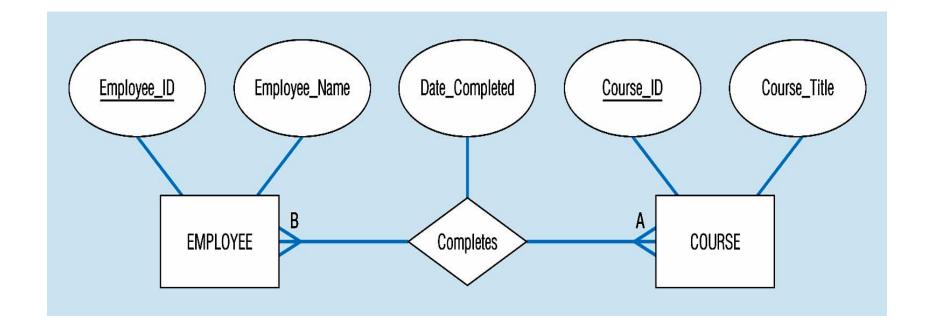


FLIGHT

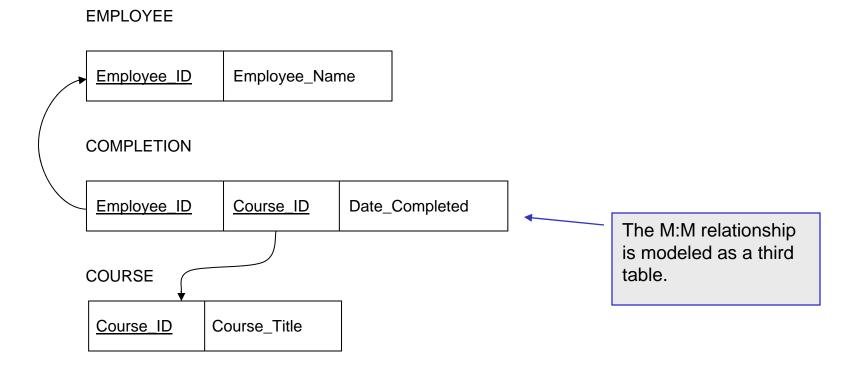


Composite attribute Flight_ID is replaced by both of the sub-component attributes of the original composite attribute. Note that since the original composite attribute was a key attribute that all of the sub-component attributes are now key attributes.

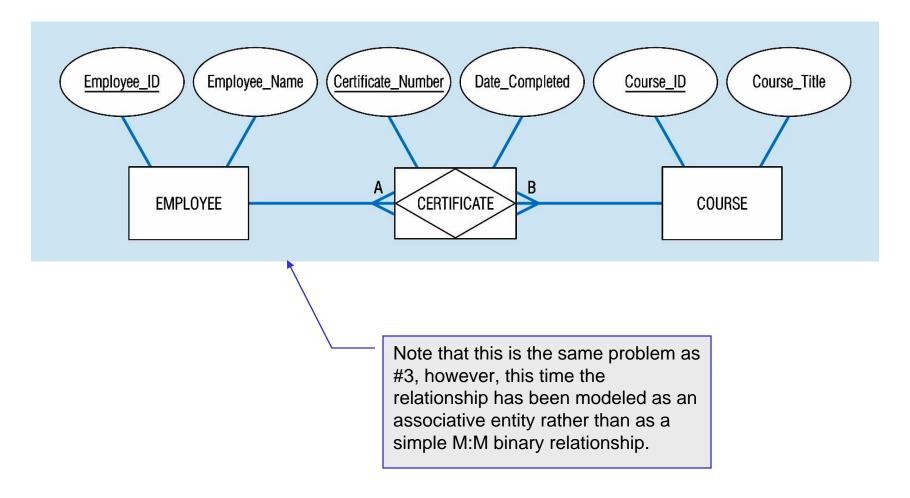




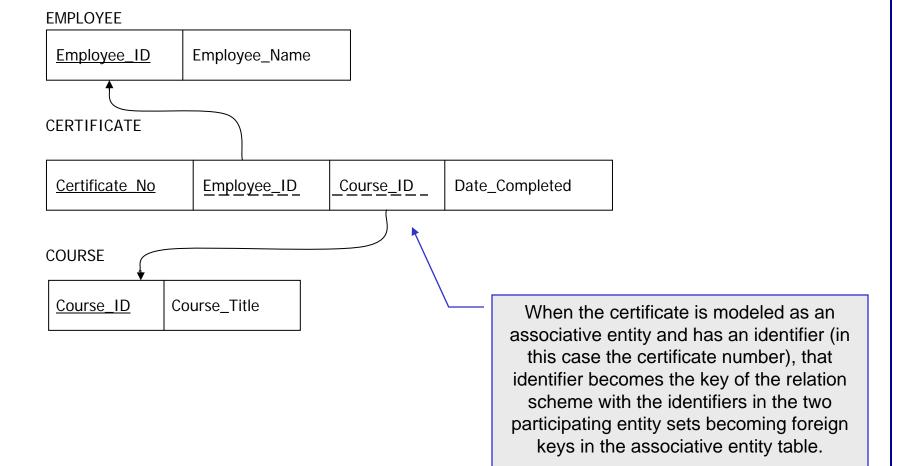




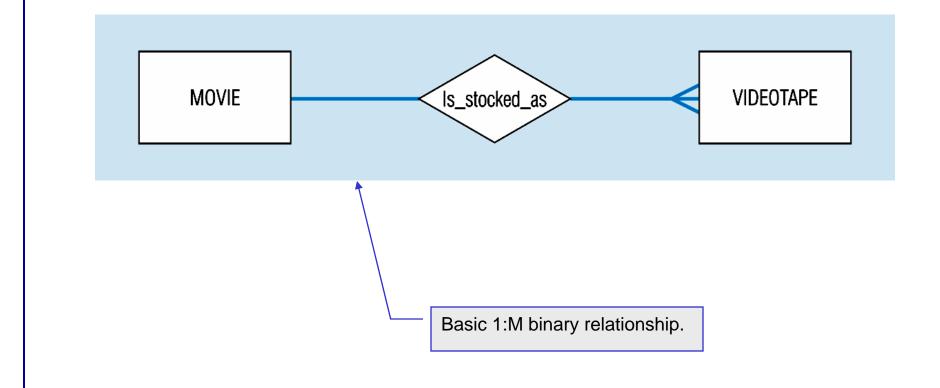




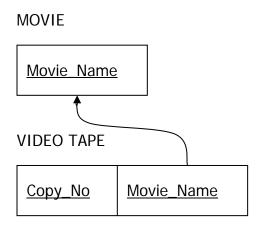






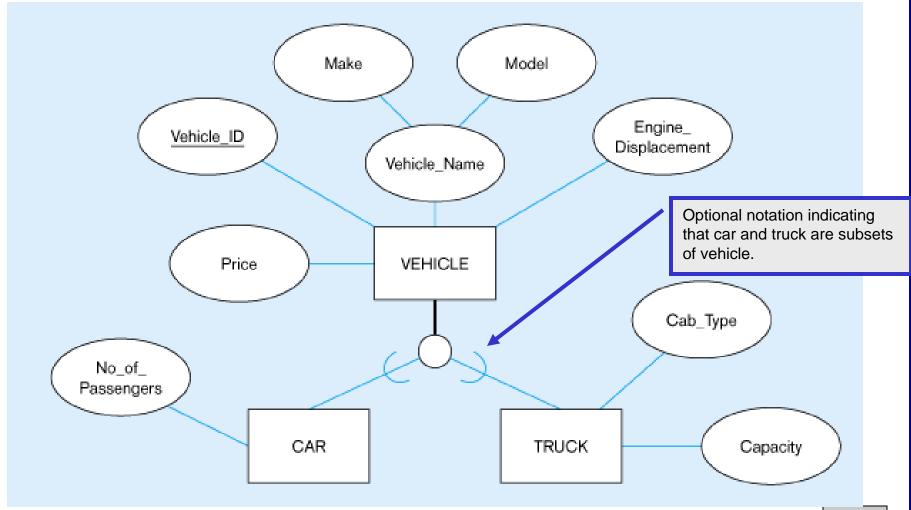


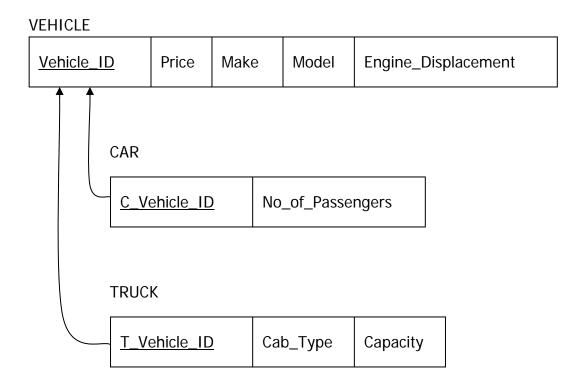




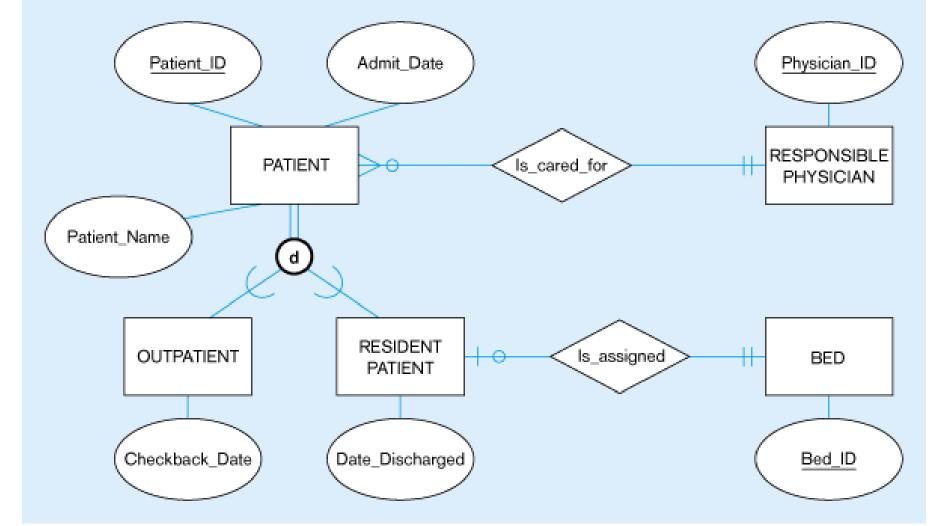
When the certificate is modeled as an associative entity and has an identifier (in this case the certificate number), that identifier becomes the key of the relation scheme with the identifiers in the two participating entity sets becoming foreign keys in the associative entity table.













RESPONSIBLE PHYSICIAN

