Modern Database Management 7th Edition, Chapter 4

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Slides edited by Rasmus Pagh

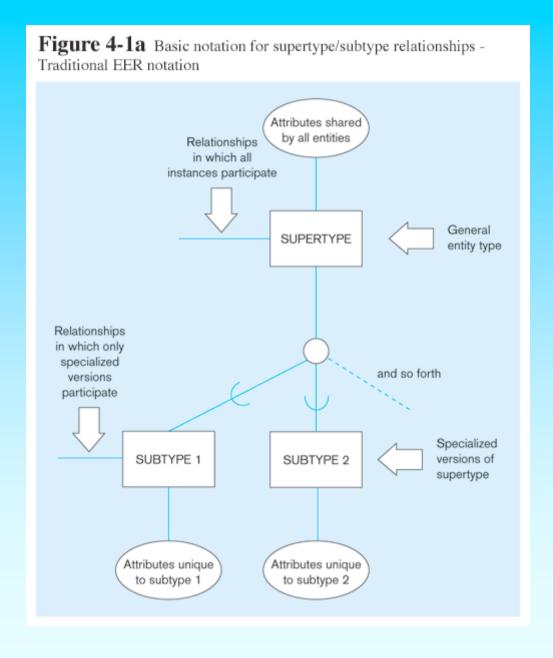


Figure 4-2 – Employee supertype with three subtypes

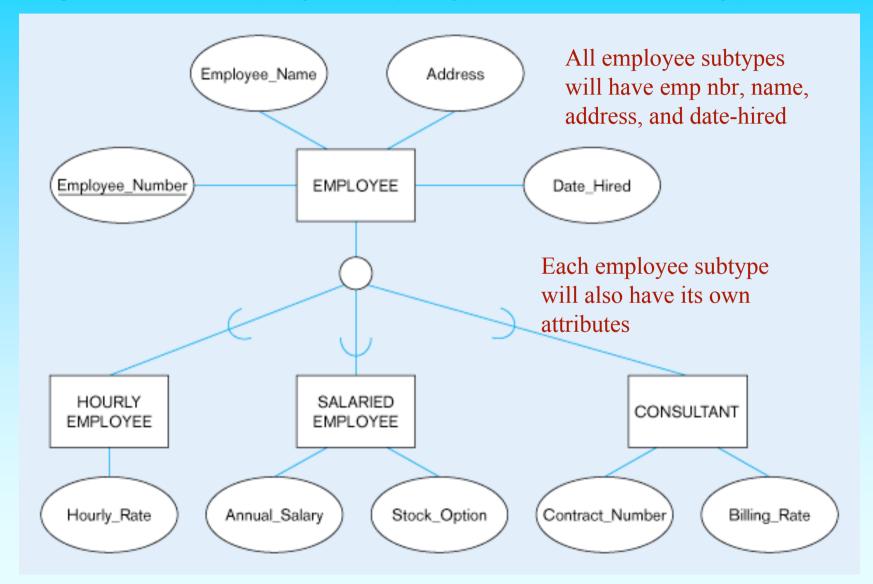


Figure 4-3 – Supertype/subtype relationships in a hospital

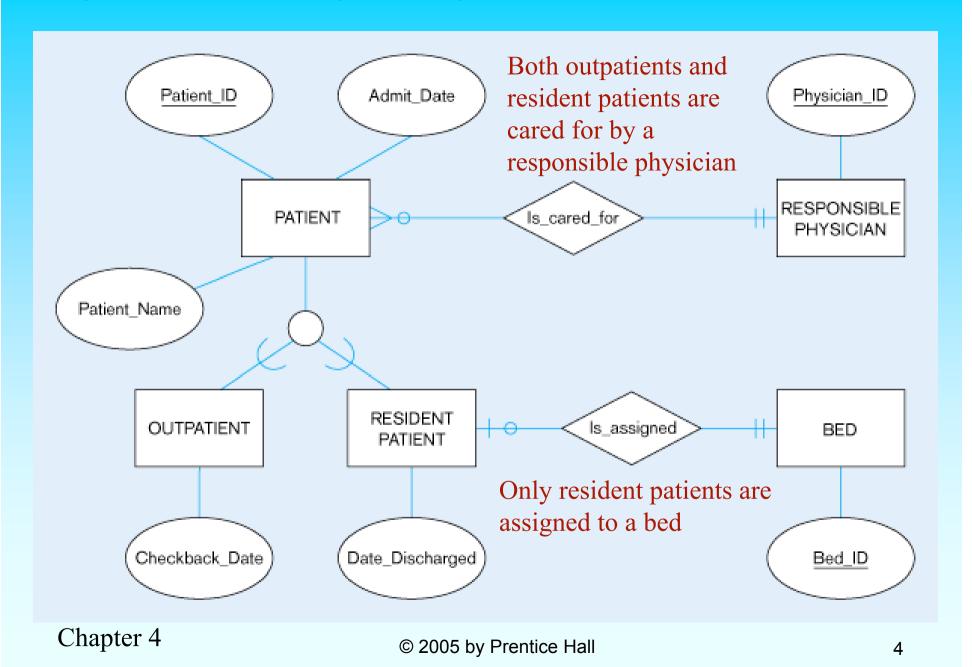


Figure 4-6a – Examples of completeness constraints Total specialization rule

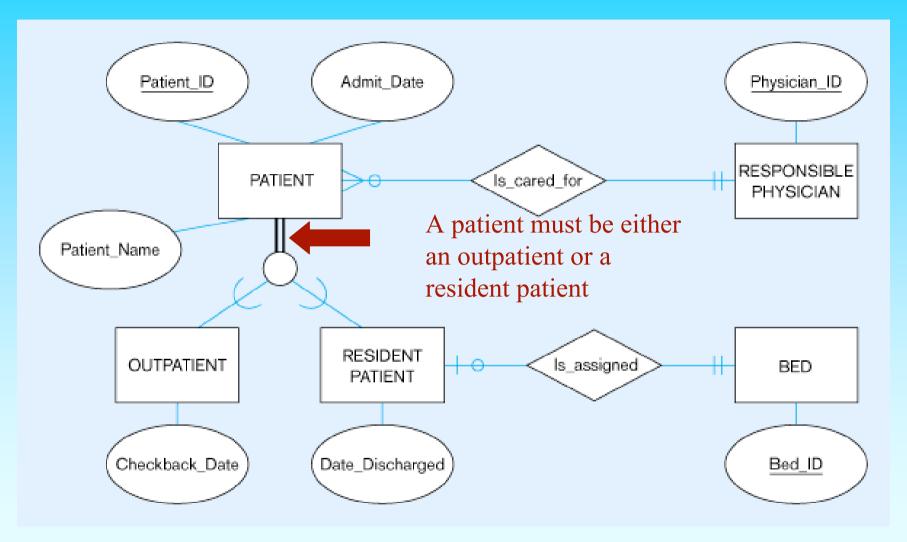


Figure 4-6b – Partial specialization rule

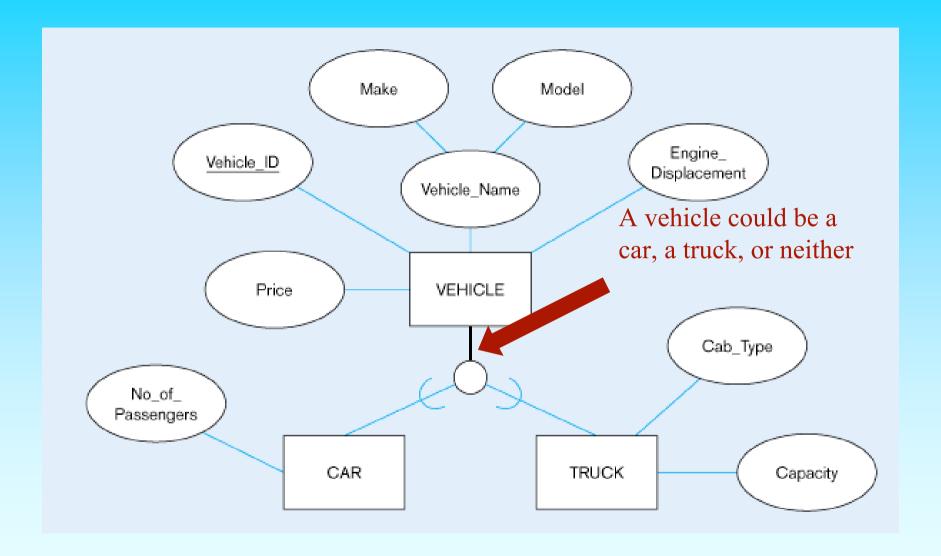


Figure 4-7a – Examples of disjointness constraints Disjoint rule

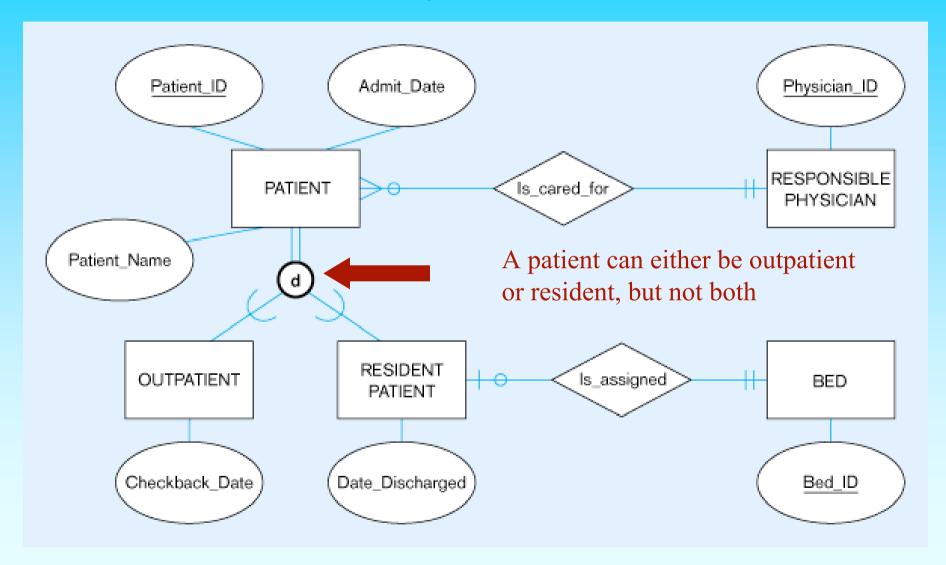


Figure 4-7b Overlap rule

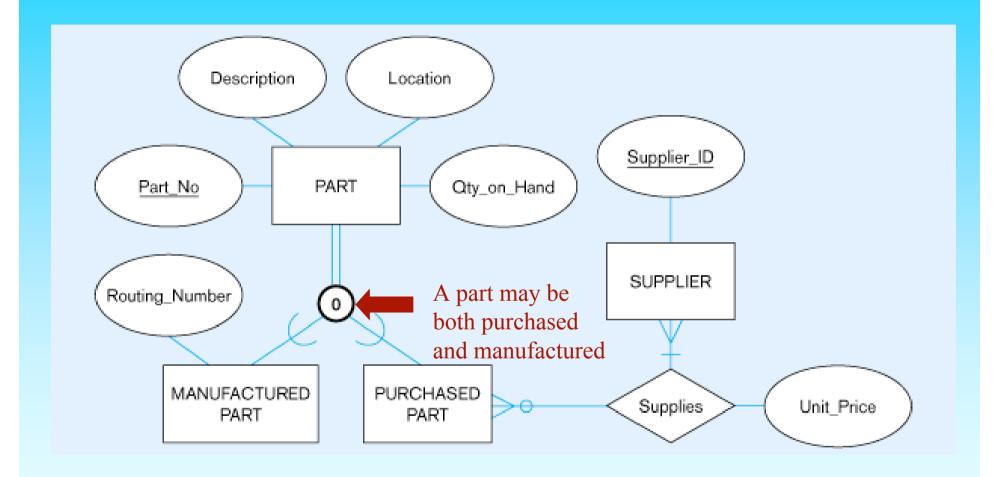


Figure 4-8 – Introducing a subtype discriminator (*disjoint* rule)

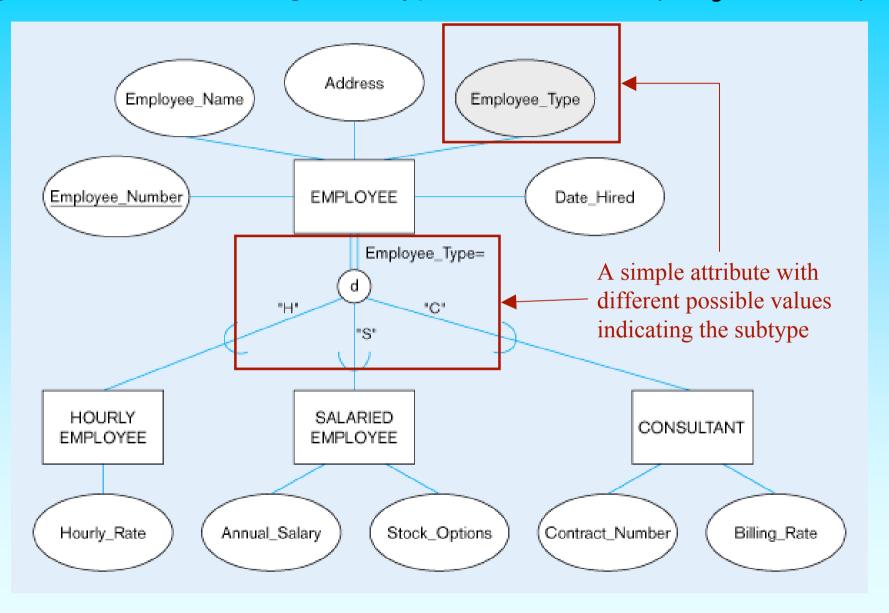
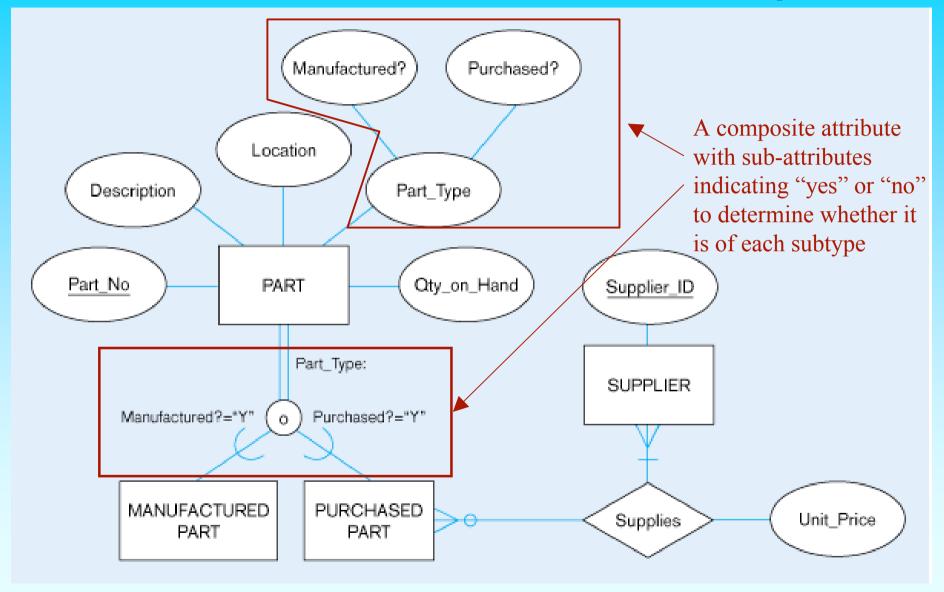


Figure 4-9 – Subtype discriminator (*overlap* rule)



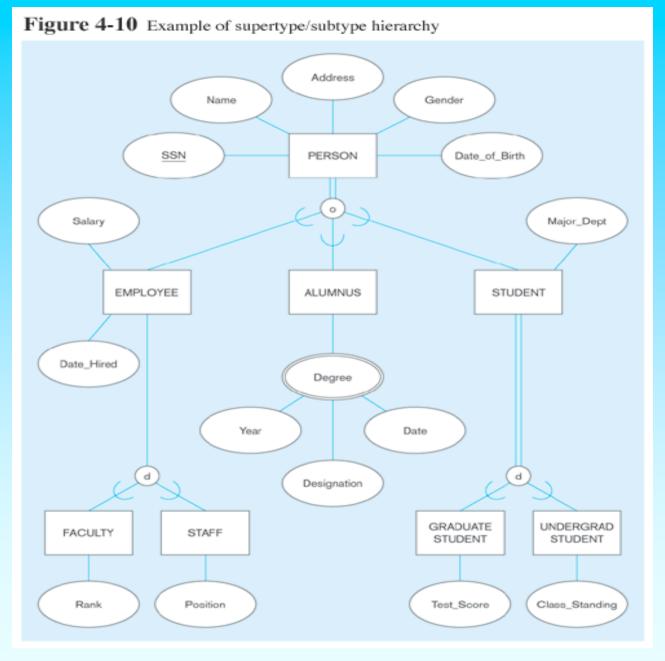


Figure 4-13a – Possible entity clusters for Pine Valley Furniture

Related groups of entities could become clusters

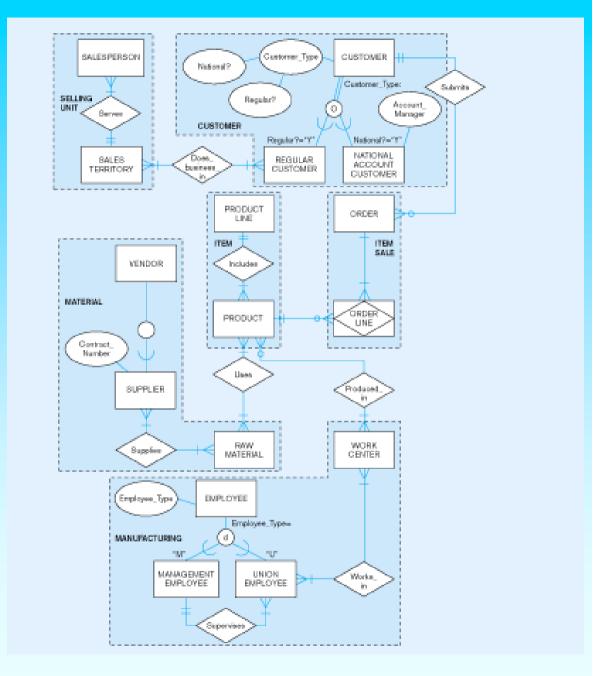


Figure 4-13b – EER diagram of PVF entity clusters

