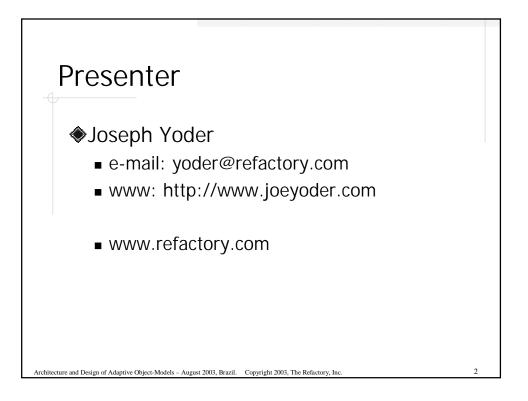
Architecture and Design of Adaptive Object-Models

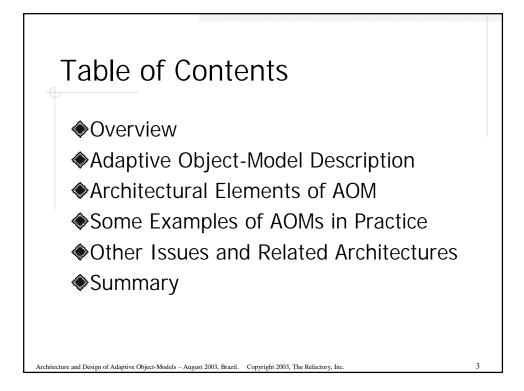
Joseph W. Yoder & Ralph Johnson

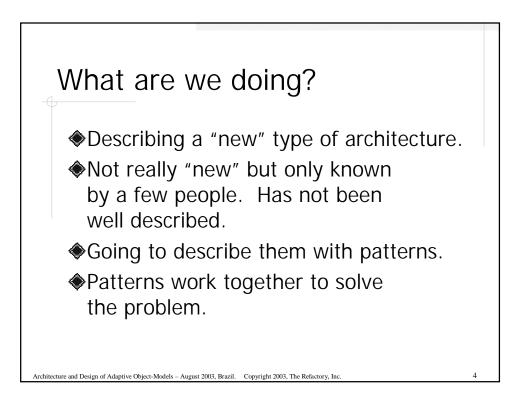
The Refactory, Inc. University of Illinois

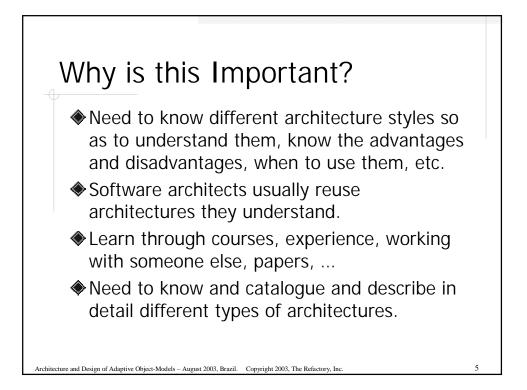
yoder@refactory.com johnson@cs.uiuc.edu

http://www.adaptiveobjectmodel.com

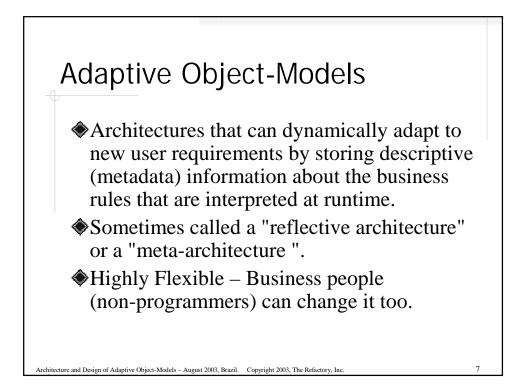


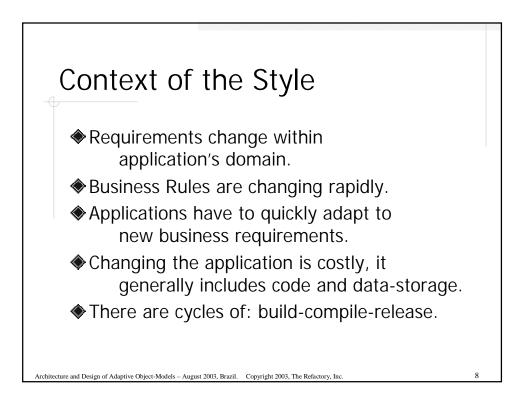












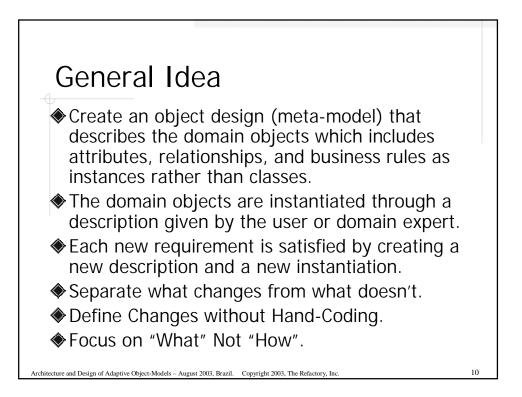
Forces – Shearing Layers

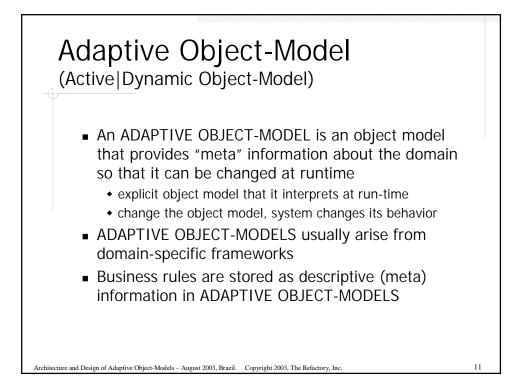
Who (Business Person, Analyst, Developer)
What (Business Rule, Persistence Layer,...)
When (How often, How fast)

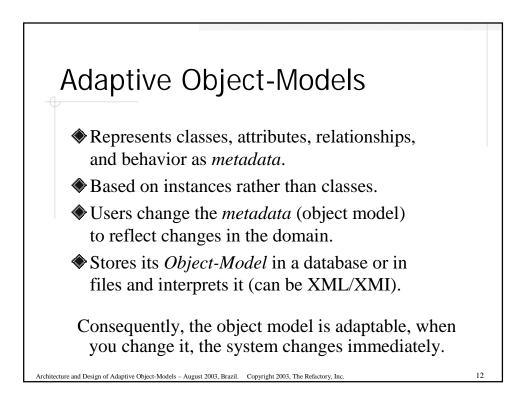
There is a different rate of change on the system.

cture and Design of Adaptive Object-Models - August 2003, Brazil. Copyright 2003, The Refact

Foote & Yoder - Ball of Mud PLoPD4







Metadata and Adaptive Object-Models

"Anything you can do, I can do Meta"

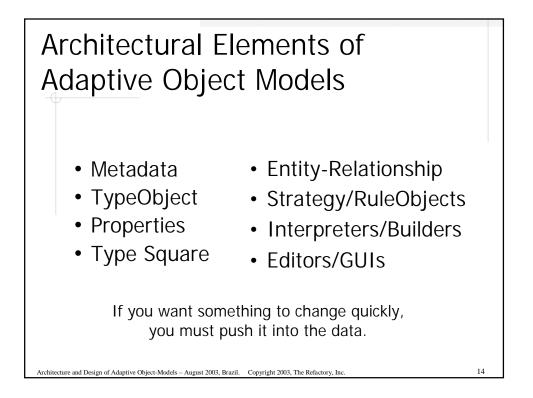
Metadata: If something is going to vary in a predictable way, store the *description* of the variation in a database so that it is easy to change....Ralph Johnson

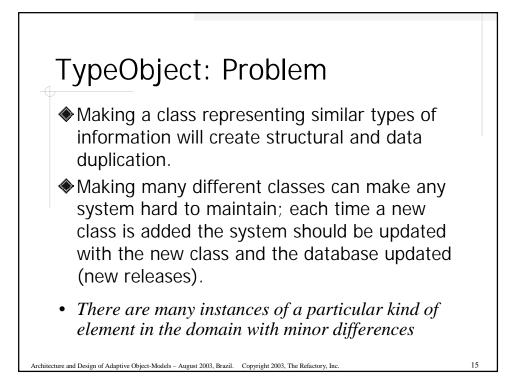
"Meta is Beta"

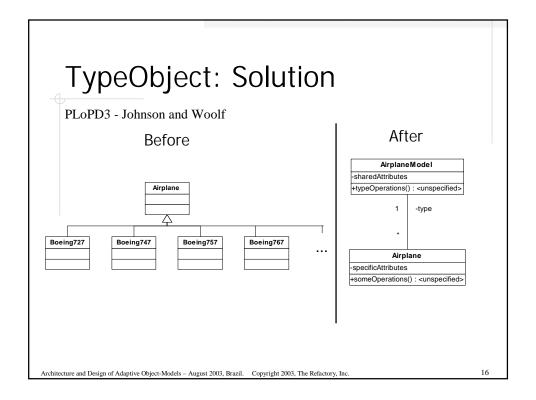
Code is Data, Data is Code - Everything is Data

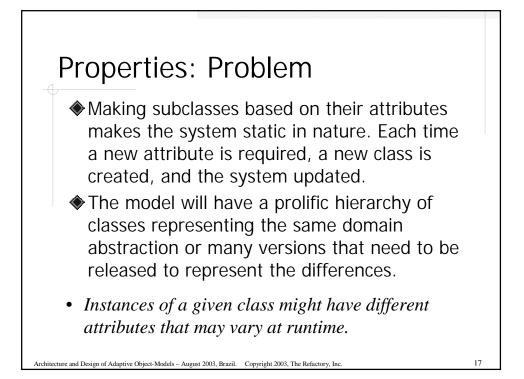
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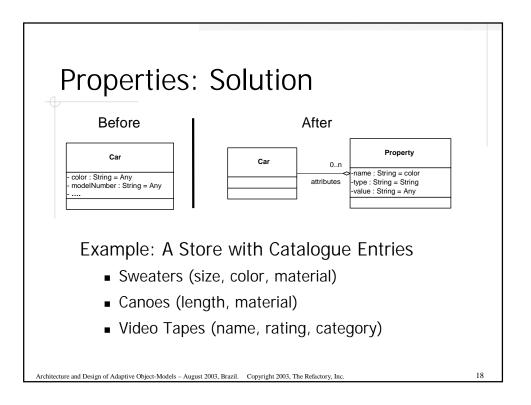
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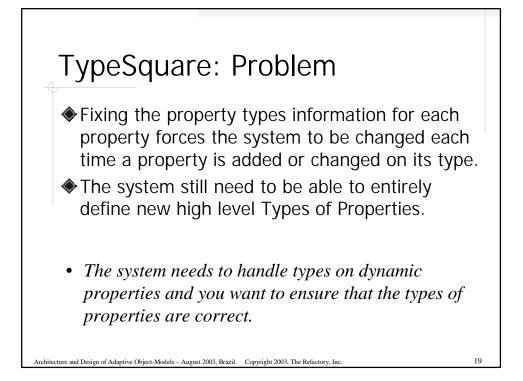


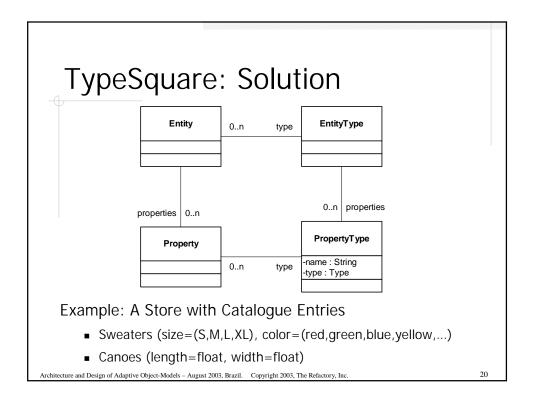








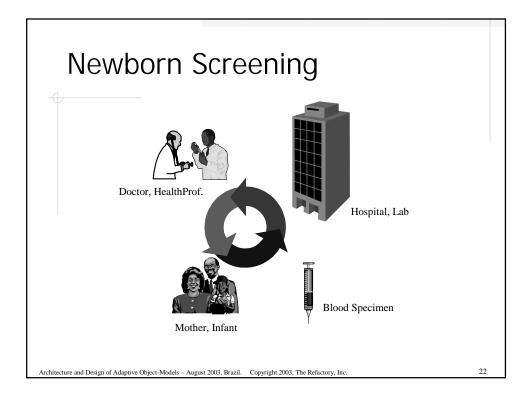




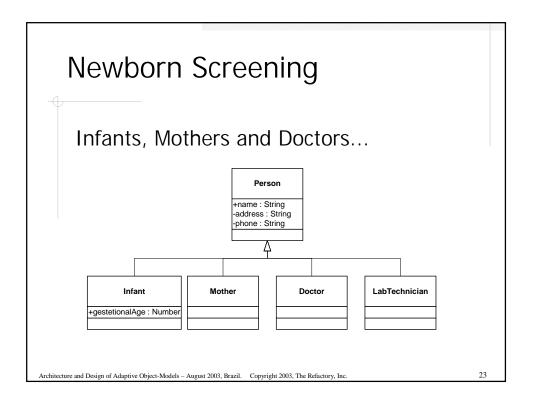


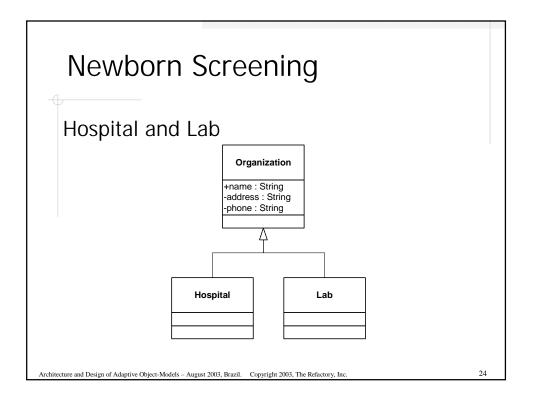
- Elements from the domain can have multiple relationships between them and the system may need to keep track of the relationships including time and other relevant information.
- The application needs to expose the relationships between domain elements (entities). Each relationship gives roles to the participants. Roles can change and the system needs to know what current roles are being played and are available.

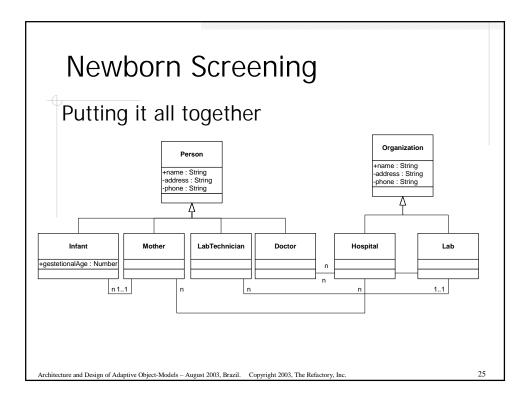
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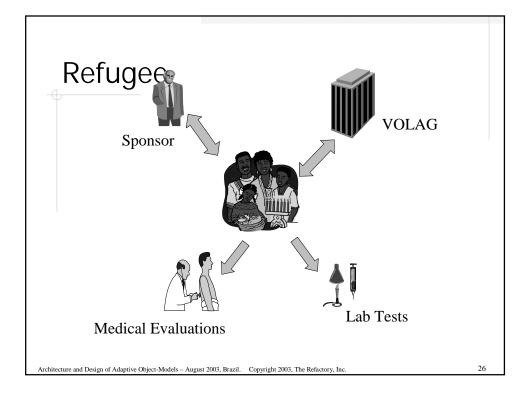


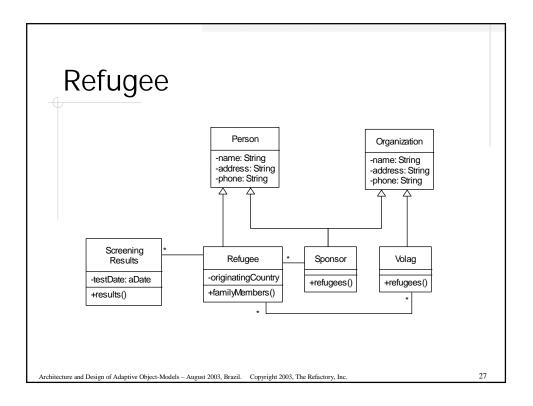
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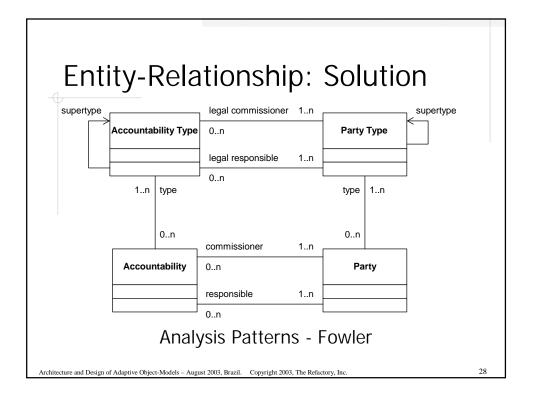


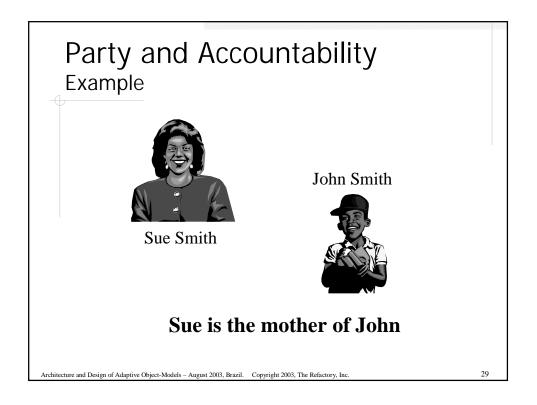


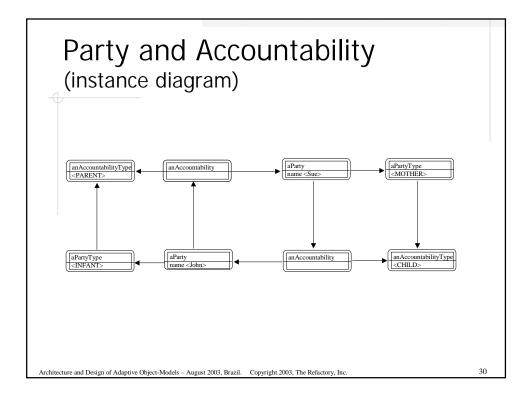


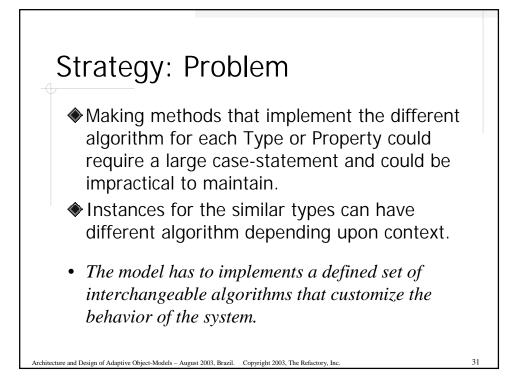


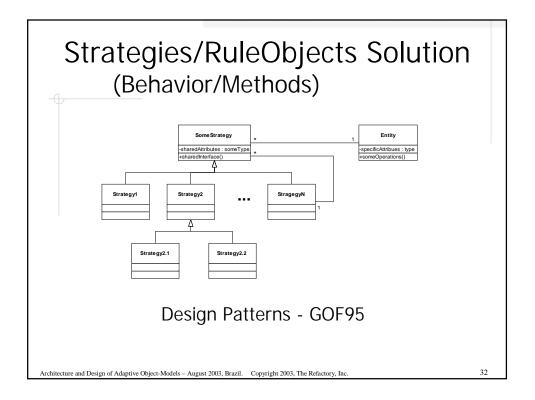


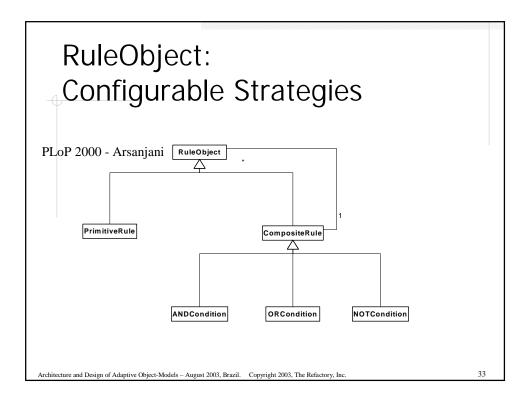


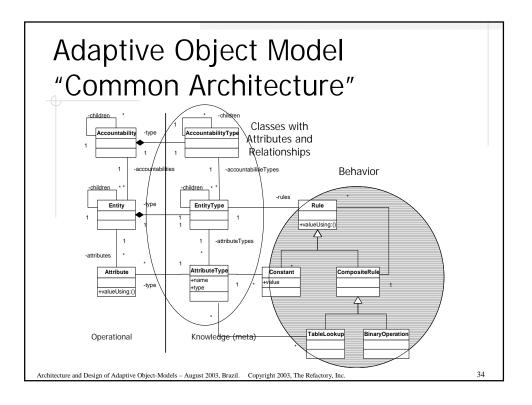


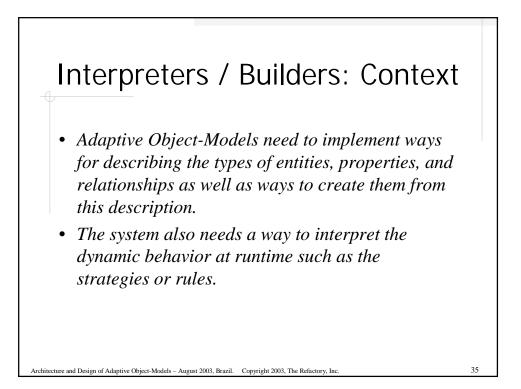


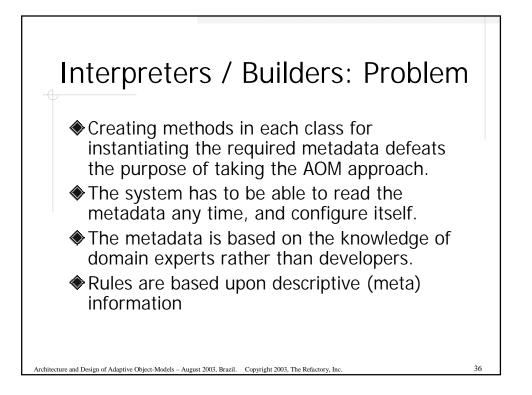


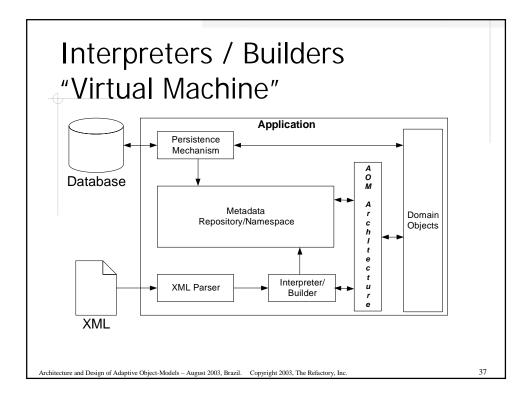


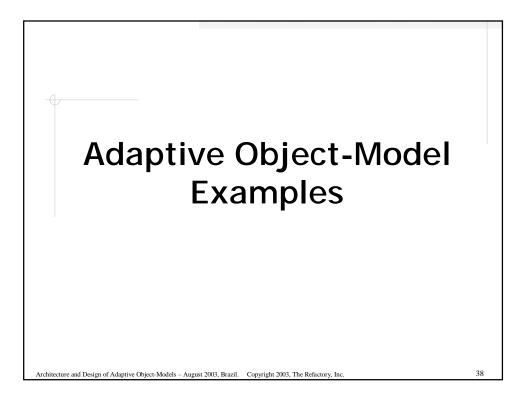


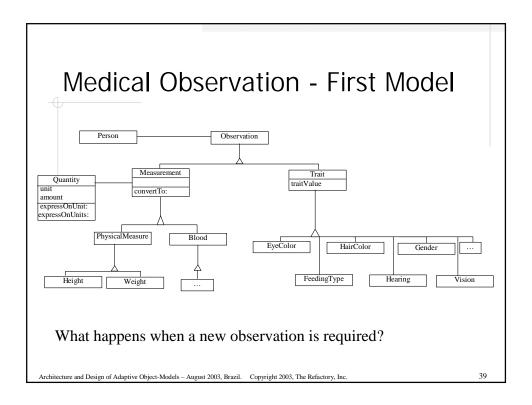


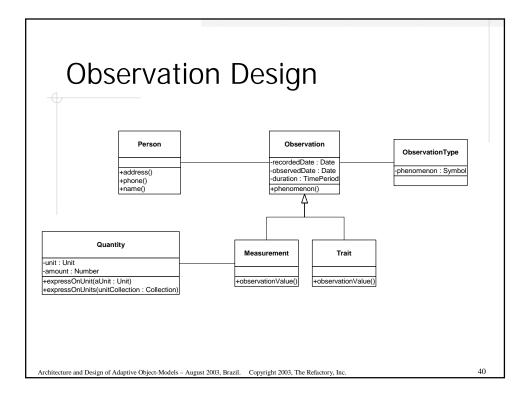


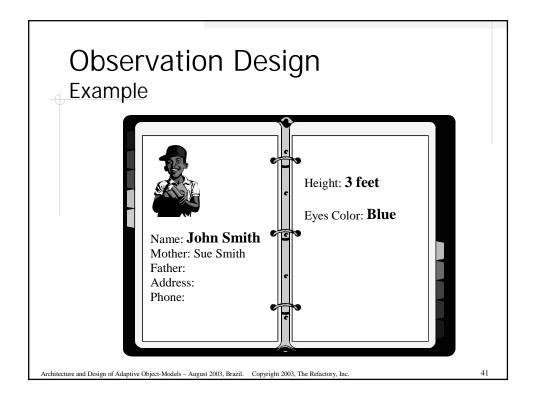


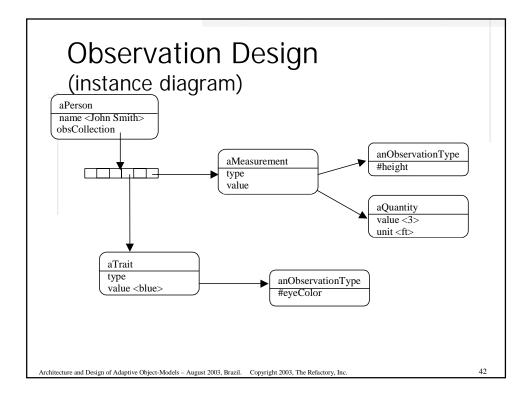


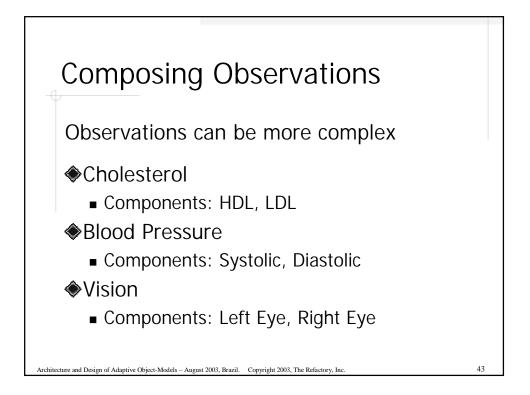


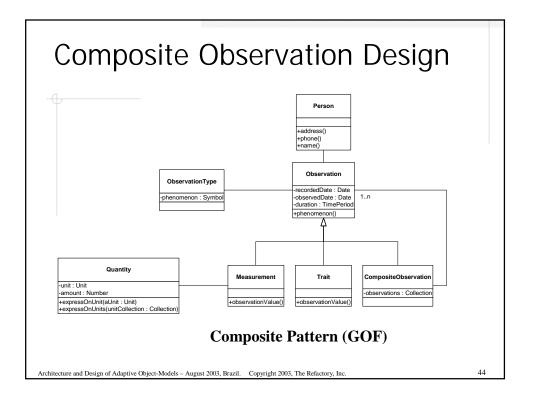


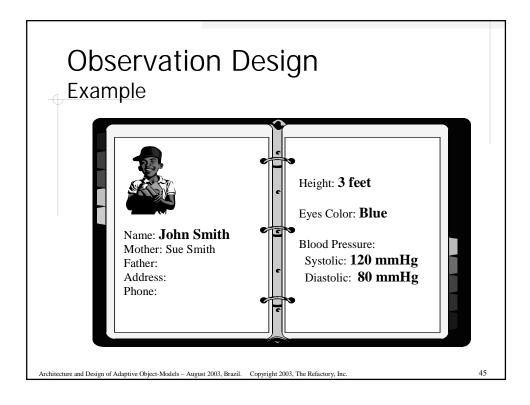


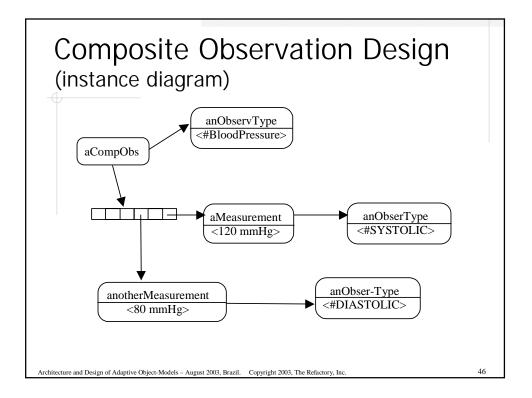


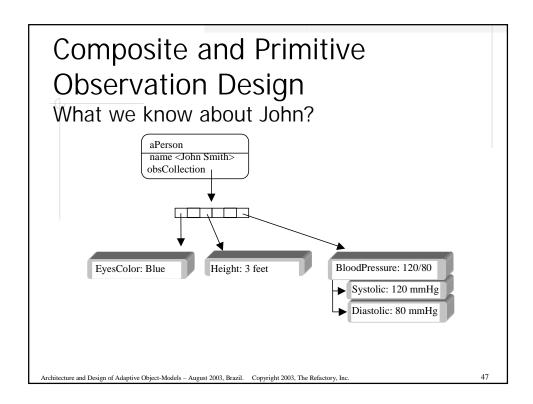


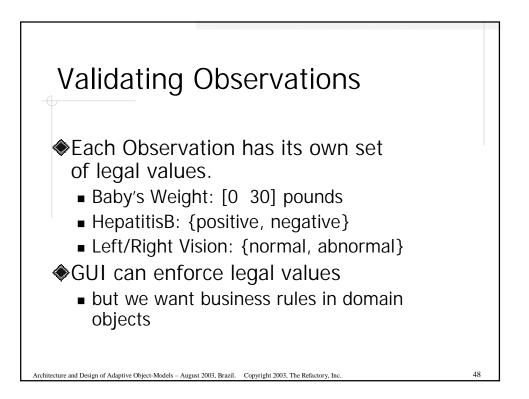


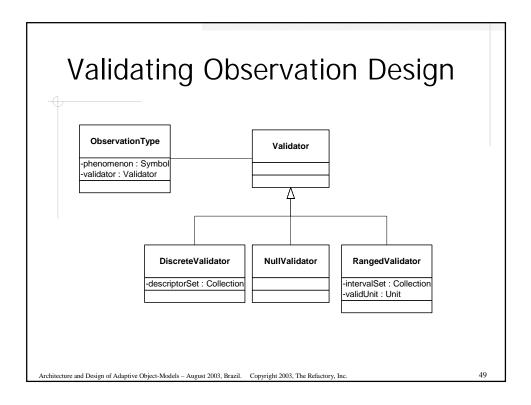


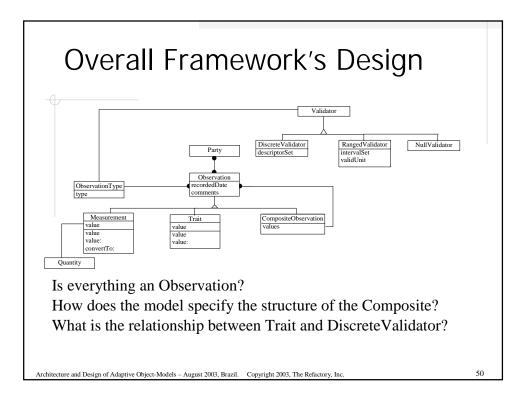


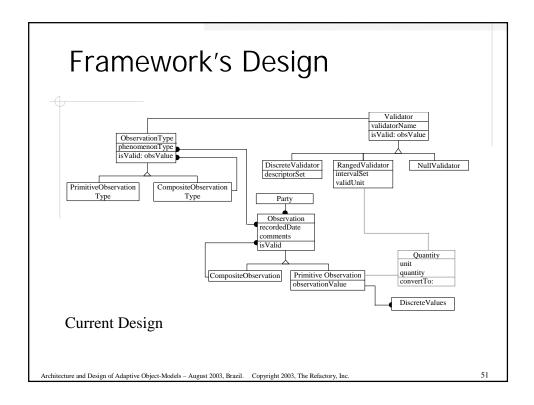


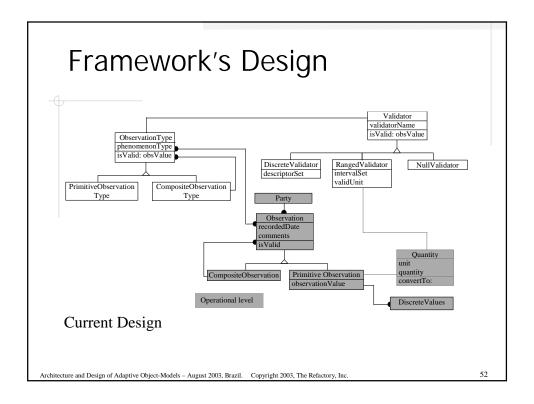


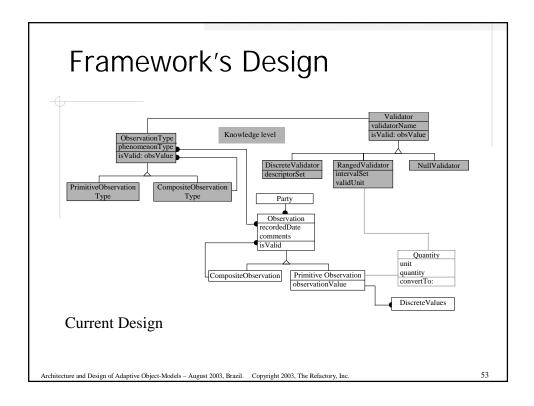


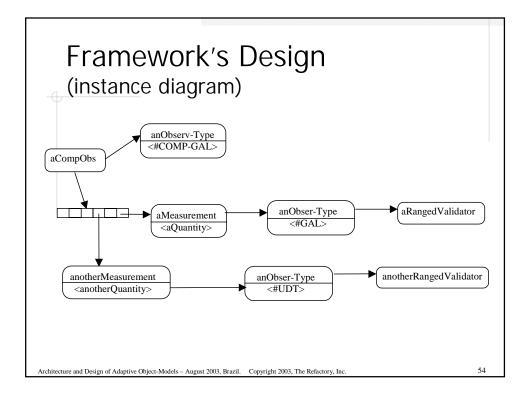


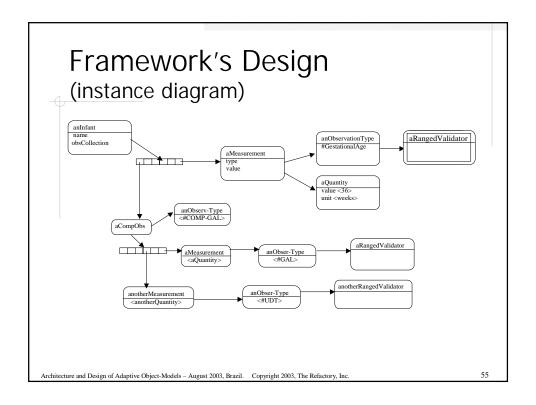


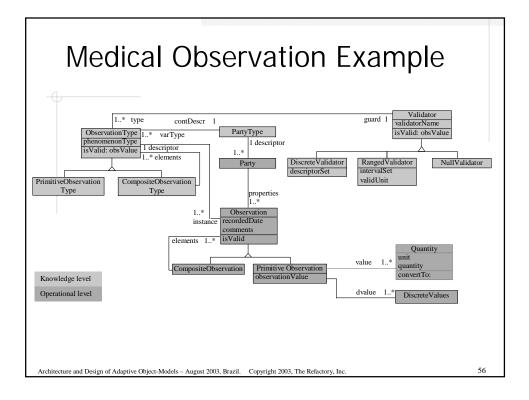


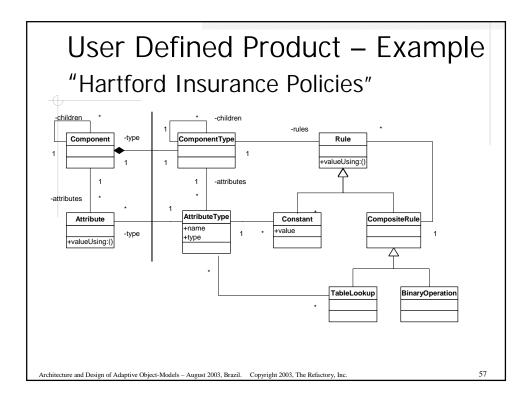


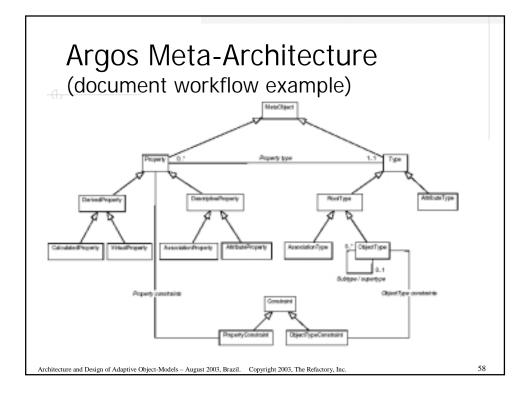


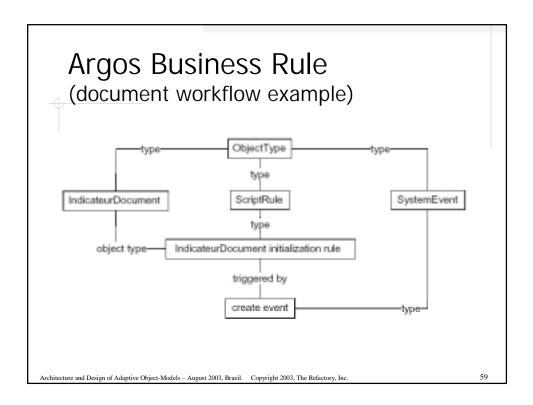


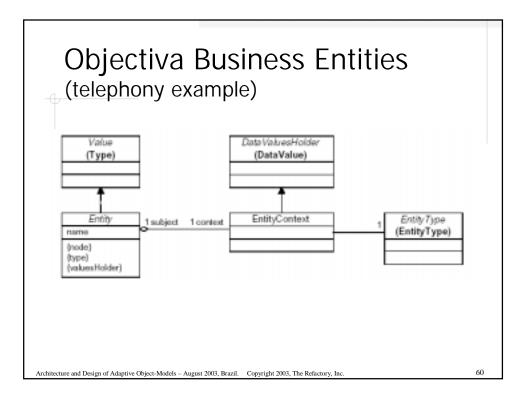


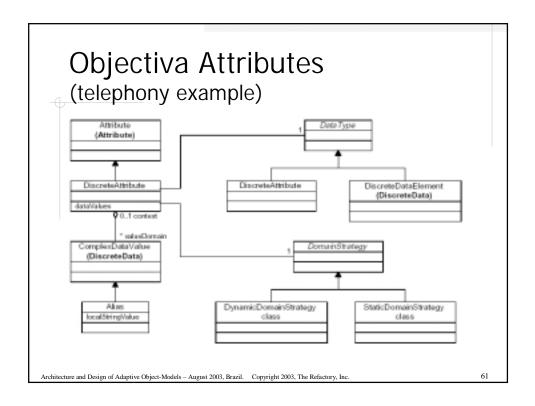


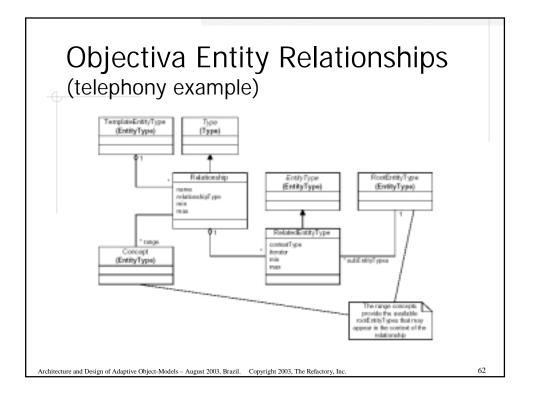




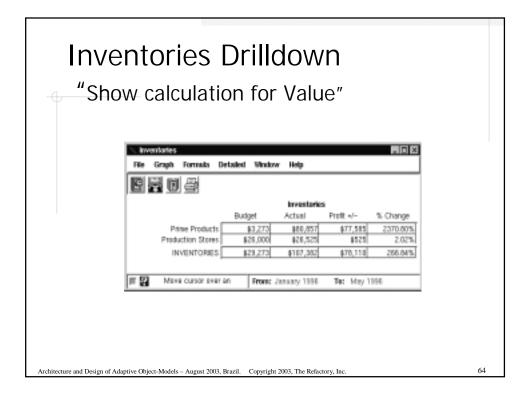






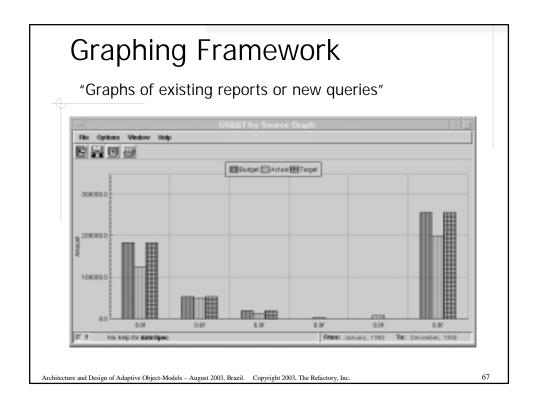


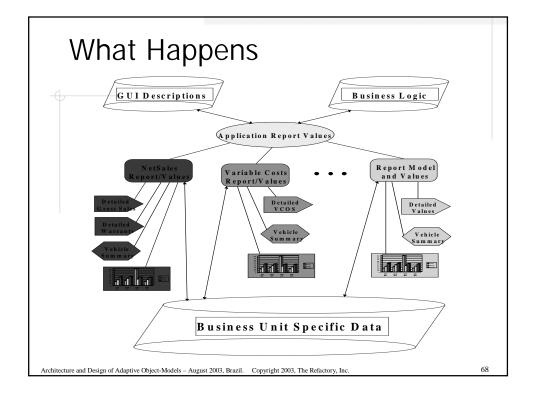
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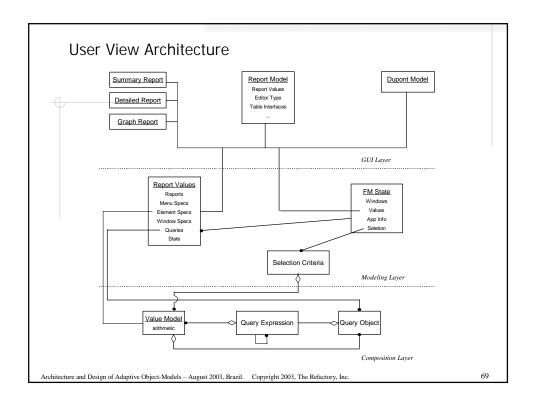


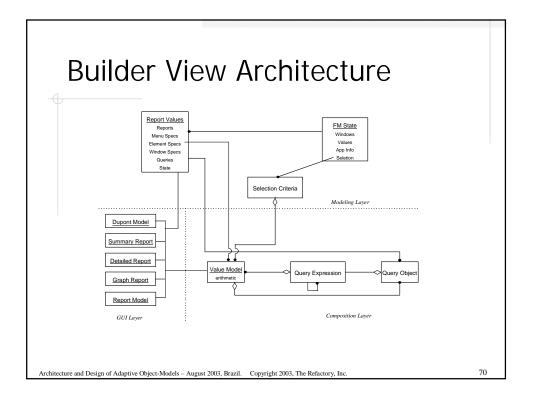
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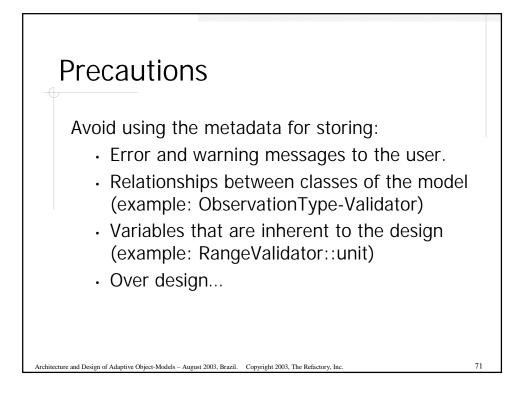
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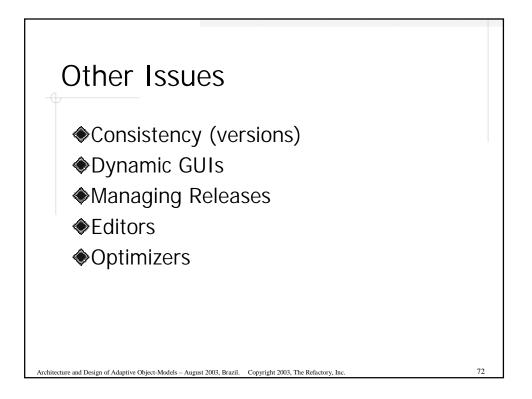


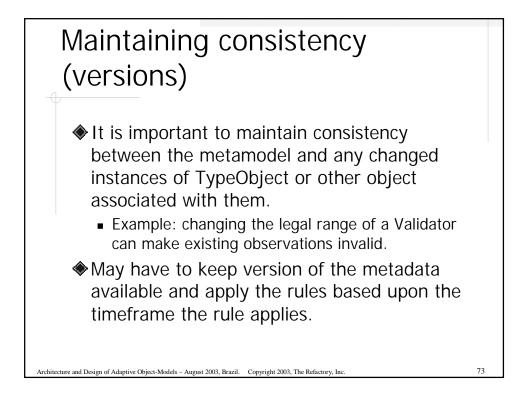












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