



Conceptual Modeling

Key problem: Have to give an unambiguous, easy to understand account of our understanding of an organization and how it works, also how the new system will fit in that organization.

We can do so with English descriptions; but such descriptions are often cumbersome, incomplete, ambiguous and can lead to misunderstandings (...see next two slides!)

As an alternative, we will use conceptual models (also called visual models) to describe proposed requirements and designs for the new system.

Conceptual models (try to) capture people's understanding (conceptualization) of what is being modeled.

Conceptual models are usually represented in terms of a graph structure.

Natural Languages can be Ambiguous

This is clause 4 from the UN Security Council resolution 1441: [on Iraq]
Decides that false statements or omissions in the declarations submitted by Iraq pursuant to this resolution and failure by Iraq at any time to comply with, and cooperate fully in the implementation of this resolution shall constitute a further material breach of Iraq's obligations and will be reported to the Council for assessment in accordance with paragraphs 11 and or 12 below."

The US apparently interprets this as meaning a material breach occurs if the declaration submitted by Iraq contains any false statements. Other security council members interpret it as meaning the breach only occurs if Iraq also does not cooperate with the inspection process.













































