

Dealing with Complexity

- Abstraction
- Decomposition
- Hierarchy

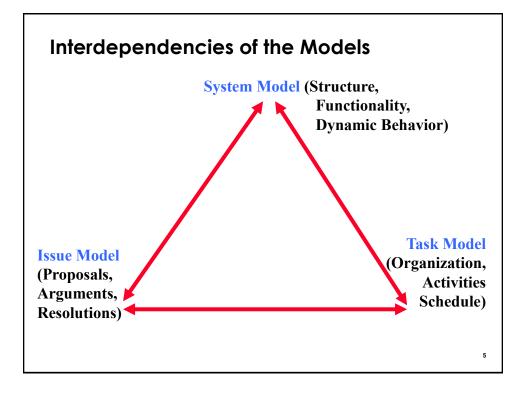
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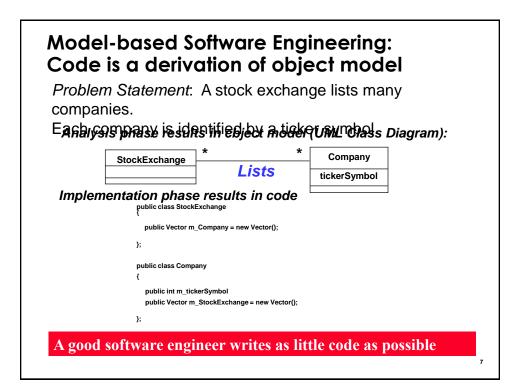
1. Abstraction

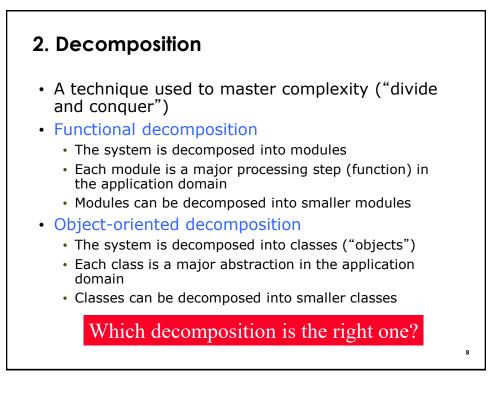
- Inherent human limitation to deal with complexity
 - The 7 +- 2 phenomena
- Chunking: Group collection of objects
- Ignore unessential details => Models

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3. Hierarchy

- We got abstractions and decomposition
 - This leads us to chunks (classes, objects) which we view with object model
- Another way to deal with complexity is to provide simple relationships between the chunks
- One of the most important relationships is hierarchy
- 2 important hierarchies
 - "Part of" hierarchy
 - "Is-kind-of" hierarchy

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