Principles of Hierarchy, Abstraction, Modularization, and Encapsulation (PHAME)

Modularization
- Localize related data and methods
- Decompose abstractions to manageable size
- Create acyclic dependencies
- Limit dependencies

Abstraction
- Provide a crisp conceptual boundary and a unique identity
- Map domain entities
- Ensure coherence and completeness
- Assign single and meaningful responsibility
- Avoid duplication

PHAME

Hierarchy
- Apply meaningful classification
- Apply meaningful generalization
- Ensure substitutability
- Avoid redundant paths
- Ensure proper ordering

Encapsulation
- Hide implementation details
- Hide variations