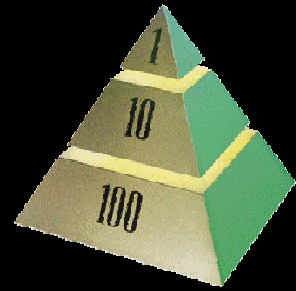


# Requirements Management



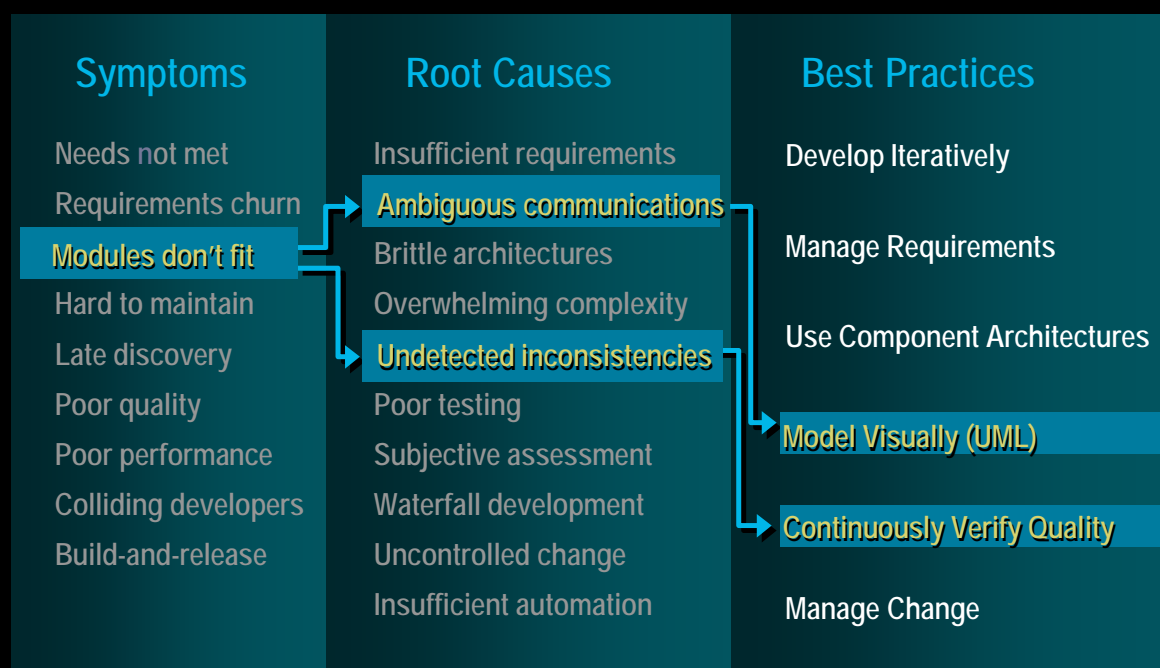
## Content

- Symptoms of Software Development Problems
- Goals of Requirements Management
- Aspects of Requirements Management
- Software Development Process - Demand Management
- Rational Unified Process (RUP)
- RUP Requirements-Workflow
- ✓ No coordinated team effort
- ✓ Build-and-release issues

# Symptoms of Software Development Problems

- ✓ User or business needs not met
- ✓ Requirements churn
- ✓ Modules don't integrate
- ✓ Hard to maintain
- ✓ Late discovery of flaws
- ✓ Poor quality or end-user experience
- ✓ Poor performance under load
- ✓ No coordinated team effort
- ✓ Build-and-release issues

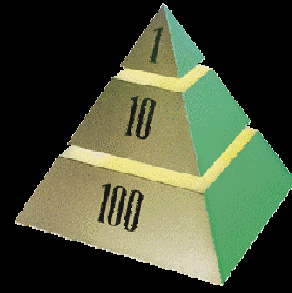
## Trace Symptoms to Root Causes



# Goals of Requirements Management

Why? Making sure you

- solve the right problem
- build the right system



How? By taking a systematic approach to

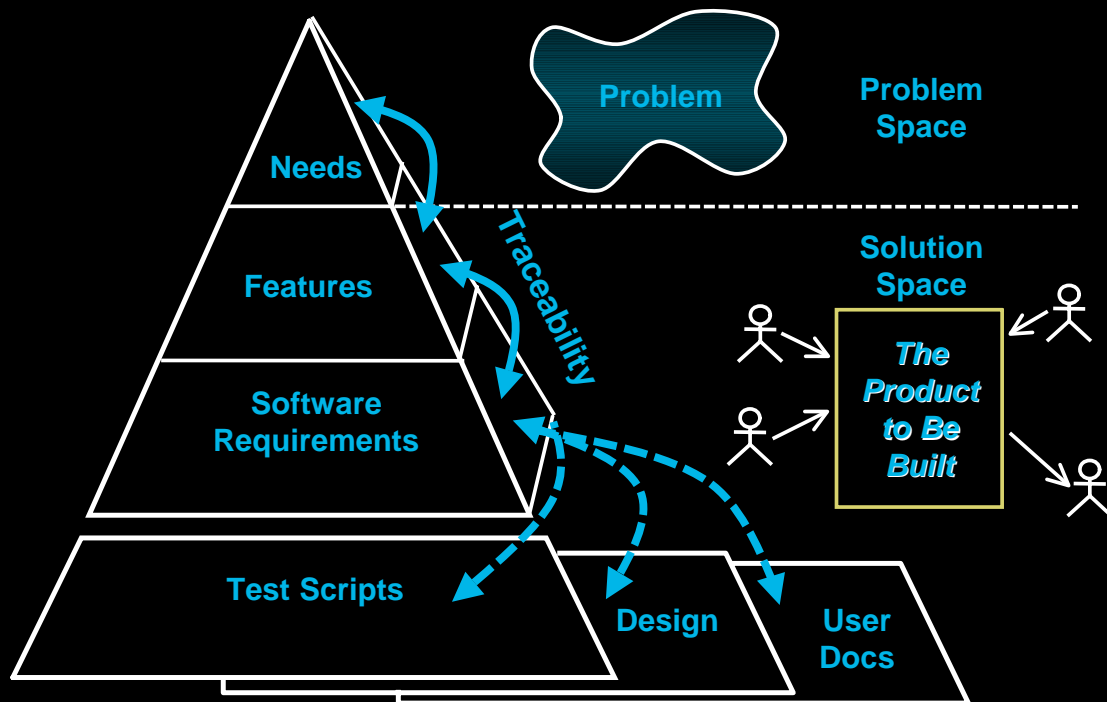
- eliciting requirements
- organizing requirements
- documenting requirements
- Managing requirements change requests

the changing requirements of a software application.

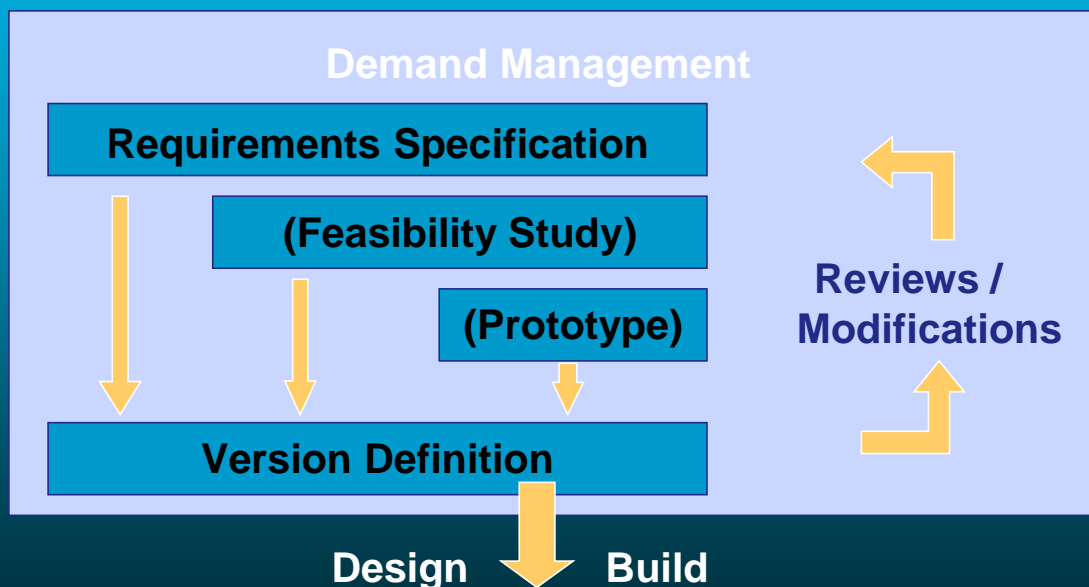
## Aspects of Requirements Management

- ◆ Analyze the Problem
- ◆ Understand User Needs
- ◆ Define the System
- ◆ Manage Scope
- ◆ Refine the System Definition
- ◆ Manage Changing Requirements

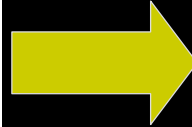
# Map of the Territory



## Software Development Process Demand Management



# Rational Unified Process Implements Best Practices

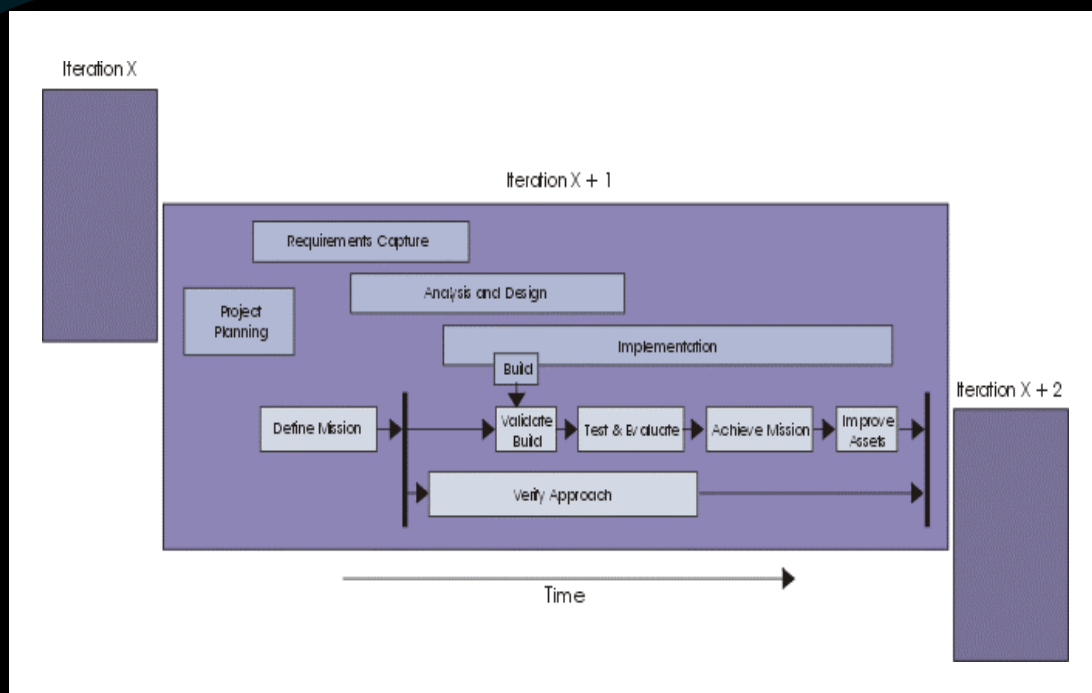


## Best Practices

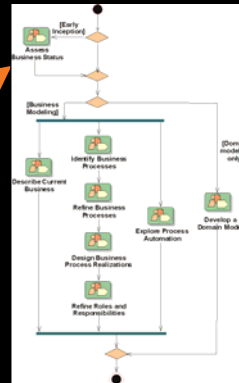
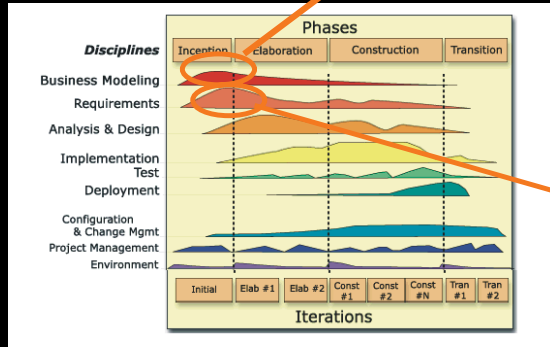
*Process Made Practical*

- Develop Iteratively
- Manage Requirements
- Use Component Architectures
- Model Visually (UML)
- Continuously Verify Quality
- Manage Change

# Test Within the Product Development Lifecycle

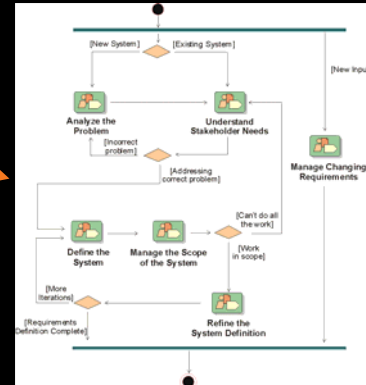


# Disciplines Guide Iterative Development

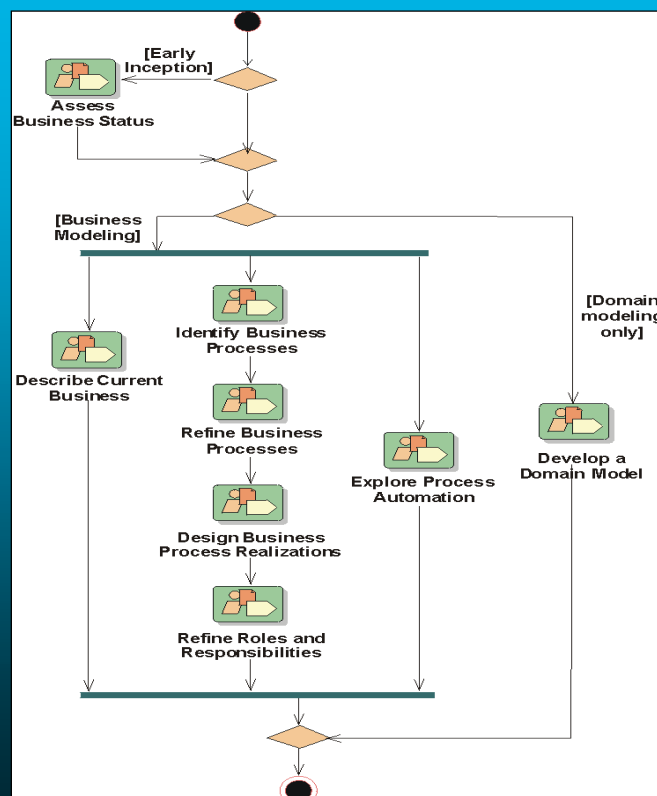


Business Modeling:  
Workflow

Requirements:  
Workflow



## RUP Business Modeling: Workflow



# RUP Requirements-Workflow

