

## Set B: System Analysis

### **Core Tutorials**

**1. System Modeling**

*Describe the System using UML*

**2. Dependencies**

*Focus on Building Associations in the System*

**3. Architectural Analysis**

*Organize the System Software using Analysis Patterns*

**4. Key Mechanisms and Patterns**

*Identify and Model Mechanisms in the System*

**5. Use Case Analysis**

*Drive System Analysis with Use Cases*

### **Advanced Topics**

**6. System Discovery**

*Theories Behind the Analysis of Complex Systems*

**7. Distributed Architectures**

*Principles of Building Distributed Systems*

**8. User Interface Development**

*Human Factors*

**9. Data Modeling**

*Database Analysis*

**10. Validation**

*Evaluating the Analysis Model*