

# 16 Lecture - CS504

## Important Subjective

**Q: What is the first step in the derivation of the Object Model in Coad Methodology?** **A:** The first step is analyzing use cases to identify the primary functionalities and interactions in the system. **Q: How are CRC cards used in the derivation of the Object Model?** **A:** CRC (Class-Responsibility-Collaboration) cards are used to document the responsibilities and collaborations of each class in the system. **Q: What is the purpose of scenario analysis in Coad Methodology?** **A:** Scenario analysis is performed to validate and refine the Object Model by simulating different scenarios and examining their impact on the model. **Q: How are classes derived from CRC cards in Coad Methodology?** **A:** Classes are derived from CRC cards by defining their attributes and methods based on their documented responsibilities and collaborations. **Q: Why is defining associations between classes important in Coad Methodology?** **A:** Defining associations establishes relationships between classes, allowing for a comprehensive understanding of the system's structure. **Q: What do the navigational arrows in associations indicate in Coad Methodology?** **A:** The navigational arrows indicate the direction of information flow between classes in the associations. **Q: What is the significance of multiplicity in associations in Coad Methodology?** **A:** Multiplicity specifies the number of instances of one class that can be associated with another class. **Q: How does Coad Methodology ensure a comprehensive and accurate Object Model?** **A:** Coad Methodology achieves this through scenario analysis, refining CRC cards, and ensuring all relevant classes and associations are identified. **Q: What is the final step in the derivation of the Object Model in Coad Methodology?** **A:** The final step is creating class diagrams that visually represent the classes and their associations in the system. **Q: What is the primary focus of the Object Model in Coad Methodology?** **A:** The primary focus of the Object Model is on the static structure, attributes, and methods of classes in the software system.