

# 16 Lecture - CS504

## Important Mcqs

**Q: What is the first step in the derivation of the Object Model in Coad Methodology?** a) Identifying classes and their relationships b) Creating CRC cards for each class c) Analyzing use cases d) Defining attributes and methods for classes **Solution: c) Analyzing use cases**

**Q: What are CRC cards used for in the derivation of the Object Model?** a) To identify classes and their relationships b) To define attributes and methods for classes c) To document responsibilities and collaborations of classes d) To represent the dynamic behavior of the system **Solution: c) To document responsibilities and collaborations of classes**

**Q: In Coad Methodology, what is the purpose of the scenario analysis?** a) To determine the attributes of each class b) To identify use cases and actors c) To define the associations between classes d) To validate and refine the Object Model **Solution: d) To validate and refine the Object Model**

**Q: How are classes derived from CRC cards in Coad Methodology?** a) By identifying their associations with other classes b) By defining their attributes and methods c) By analyzing use cases and scenarios d) By identifying their relationships with actors **Solution: b) By defining their attributes and methods**

**Q: What is the purpose of defining associations between classes in Coad Methodology?** a) To identify the responsibilities of each class b) To establish relationships between objects c) To create use case diagrams d) To represent the dynamic behavior of the system **Solution: b) To establish relationships between objects**

**Q: What do the navigational arrows in associations indicate in Coad Methodology?** a) The direction of information flow between classes b) The presence of composition relationships c) The dependency between classes d) The presence of aggregation relationships **Solution: a) The direction of information flow between classes**

**Q: In Coad Methodology, what is the significance of multiplicity in associations?** a) It defines the number of attributes in each class. b) It determines the number of instances related to another class. c) It defines the methods available in each class. d) It specifies the number of use cases involving each class. **Solution: b) It determines the number of instances related to another class.**

**Q: How does Coad Methodology ensure a comprehensive and accurate Object Model?** a) By conducting scenario analysis and CRC card refinement b) By defining inheritance relationships between classes c) By creating use case diagrams for each class d) By establishing associations between all classes **Solution: a) By conducting scenario analysis and CRC card refinement**

**Q: What is the final step in the derivation of the Object Model in Coad Methodology?** a) Creating class diagrams b) Writing pseudocode for the system c) Implementing the software system d) Validating the Object Model with stakeholders **Solution: a) Creating class diagrams**

**Q: In Coad Methodology, what does the Object Model primarily focus on?** a) The dynamic behavior of the system b) The interaction between classes and actors c) The static structure and attributes of classes d) The system's performance and scalability **Solution: c) The static structure and attributes of classes**