17 Lecture - CS504

Important Mcqs

Q: What is the first step in the derivation of the Object Model in Coad Methodology? a) Defining associations between classes b) Analyzing use cases c) Creating CRC cards d) Implementing the software system **Solution: b) Analyzing use cases** **Q: What is the purpose of CRC cards in the derivation of the Object Model?** a) To define attributes and methods for classes b) To create use case diagrams c) To document responsibilities and collaborations of classes d) To validate the Object Model with stakeholders **Solution: c) To document responsibilities and collaborations of classes** **Q: Scenario analysis is performed in Coad Methodology for what purpose?** a) To identify use cases and actors b) To determine the attributes of each class c) To validate and refine the Object Model d) To define the associations between classes **Solution: c) To validate and refine the Object Model** **Q: How are classes derived from CRC cards in Coad Methodology?** a) By defining their attributes and methods b) By identifying their relationships with actors c) By analyzing use cases and scenarios d) By identifying their associations with other classes **Solution: a) By defining their attributes and methods** **Q: What is the purpose of defining associations between classes in Coad Methodology?** a) To establish relationships between objects b) To identify the responsibilities of each class c) To create use case diagrams d) To represent the dynamic behavior of the system **Solution: a) To establish relationships between objects** **Q: What do the navigational arrows in associations indicate in Coad Methodology?** a) The presence of composition relationships b) The direction of information flow between classes c) The dependency between classes d) The presence of aggregation relationships **Solution: b) The direction of information flow between classes** **Q: In Coad Methodology, what is the significance of multiplicity in associations?** a) It specifies the number of use cases involving each class. b) It defines the methods available in each class. c) It determines the number of instances related to another class. d) It defines the number of attributes in each class. **Solution: c) It determines the number of instances related to another class.** **Q: How does Coad Methodology ensure a comprehensive and accurate Object Model?** a) By defining inheritance relationships between classes b) By establishing associations between all classes c) By conducting scenario analysis and CRC card refinement d) By creating use case diagrams for each class **Solution: c) 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) Writing pseudocode for the system b) Creating class diagrams c) Implementing the software system d) Validating the Object Model with stakeholders **Solution: b) Creating class diagrams** **Q: In Coad Methodology, what does the Object Model primarily focus on?** a) The interaction between classes and actors b) The system's performance and scalability c) The dynamic behavior of the system d) The static structure and attributes of classes **Solution: d) The static structure and attributes of classes**