17 Lecture - CS504

Important Subjective

Q: What is the role of use case analysis in the derivation of the Object Model in Coad Methodology? A: Use case analysis helps in identifying the primary functionalities and interactions required in the software system. **Q: How are CRC cards used during the Object Model derivation process? A:** CRC cards are utilized to document the responsibilities and collaborations of each class, facilitating better understanding and communication. **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 various scenarios and analyzing their impact on the model. **Q: How do you derive classes 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, providing a comprehensive view of how objects interact in the system. **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: How does multiplicity in associations contribute to the Object Model derivation? A**: Multiplicity specifies the number of instances related to another class, aiding in determining the cardinality and connections between objects. **Q: What strategies are employed to ensure a comprehensive and accurate Object Model? A**: Conducting scenario analysis and continuously refining CRC cards help achieve a comprehensive and accurate Object Model. **Q: What is the final step in the derivation of the Object Model in Coad Methodology? A**: The final step involves creating class diagrams to visually represent the classes and their associations in the software system. **Q: What aspects of the system does the Object Model in Coad Methodology primarily focus on? A**: The Object Model primarily focuses on the static structure, attributes, and methods of classes in the software system.