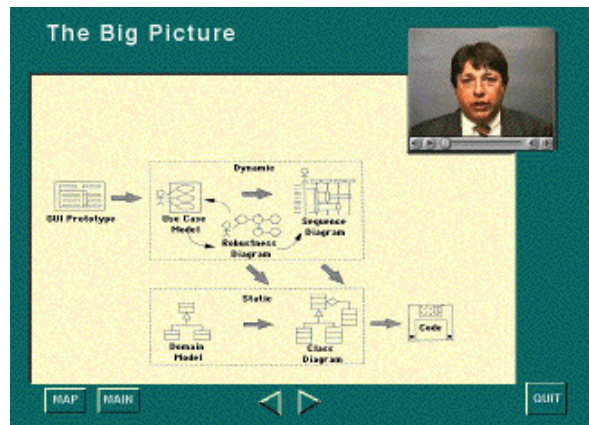
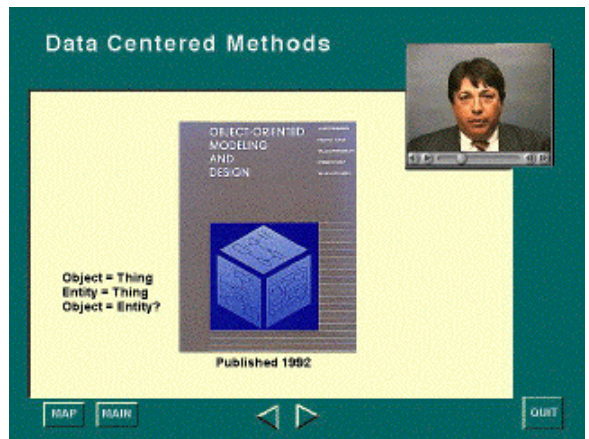


Mastering UML with Rational Rose and the ICONIX Process

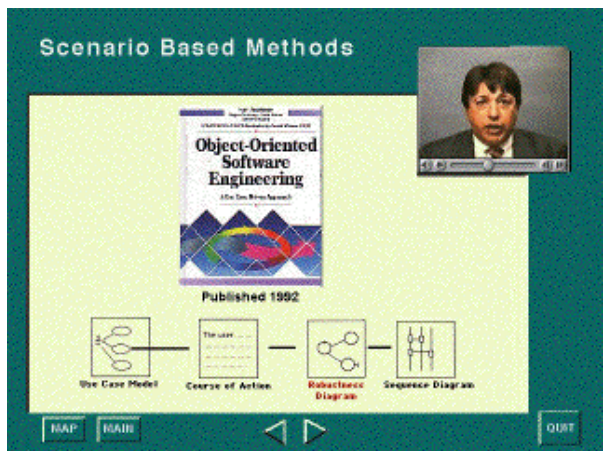
Mastering UML with Rational Rose and the ICONIX Process, updates the material from the original ICONIX "Unified Modeling Approach" CDROM (published 1995) with the latest revisions as taught by ICONIX in JumpStart training workshops and as reflected in "Use Case Driven Object Modeling, A Practical Approach" and in the companion workbook "Applied Use Case Driven Object Modeling, An Annotated E-Commerce Example".



Our simplified approach to UML modeling, using a core subset of universally important diagrams, will help you to avoid analysis paralysis. The theory behind the ICONIX Process was synthesized from the original Booch, Rumbaugh, and Jacobson methodologies starting in 1992, several years before UML was developed. It has withstood the test of time and experience.



Fundamental concepts of data-centered O-O methodologies, and their advantages for Domain Modeling, are reviewed.

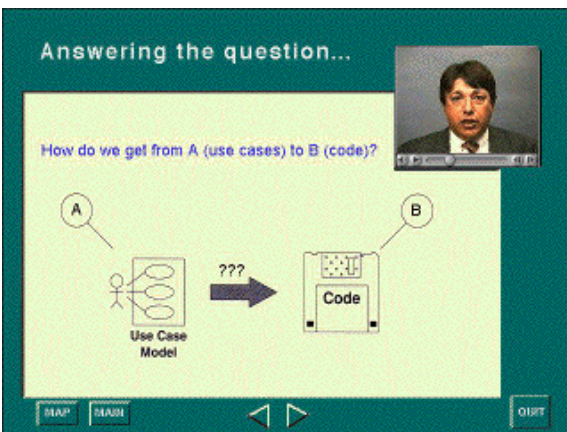


Scenario based methods are explained, in the context of building traceable Dynamic Models starting with use cases, all the way through detailed design.

<ul style="list-style-type: none"> Info to the ICONIX Process Theory vs. practice How to get business cases to code Before the code Design-level Class Diagrams Before classes into attributes and methods Sequence Diagrams Before Sequence Diagrams Robustness Diagrams Before Robustness Diagrams Domain Models Refining Class Diagrams The Big Picture Key Features of Approach Integrating Jacobson, Rumbaugh, and Booch methods Background Why integrate all three methods? 3 types of methodologies Data Centered Methods Scenario Based Methods Structure Methods Each method has strengths Each method has weaknesses Show the UML tool still Integrate best of each method into lifecycle approach. 	<ul style="list-style-type: none"> Different notations, same questions What are users doing? Starting from outside in Elements of use case modeling What are objects in our world? Working from inside out Identify relationships between objects Identify attributes and operations What objects are needed for each use case? Robustness Analysis Done on a use case by use case basis Choosing gap-filling analysis and design Using robustness analysis to separate static model Show how objects collaborate with each other? Sequence Diagrams Each usage scenario has sequence diagram Sequence Diagram Notation Implementing real-time control How do we really build this system? What classes exist, how are they related? Where should each class & object be defined? Advocating Processors Examples from lifecycle process Show Examples
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MAP

A clickable map provides hypertext linkage to all sections of the tutorial



The ICONIX Process focuses on the modeling space between use cases and code.

