

Object Oriented Analysis And Design James Rumbaugh

ObjectOriented Software Engineering 133ac771ac Creating the object model 133ac771ac Extension Mechanisms Constraints Textual specification of relationships and rules Stereotypes 133ac771ac Outline The Drive to Unification 133ac771ac Introduction 133ac771ac Introduction 133ac771ac Use Cases Actors engage with use cases, encompassing the behavior of a system as a whole 133ac771ac Setting up the program 133ac771ac Use Case Driven All activities, from analysis to testing, are based on use cases 133ac771ac Relationships Association - A semantic connection between 133ac771ac Scope of the UML Standardize the artifacts of development 133ac771ac Architecture - What is it? An architecture is a structure of components interconnected through interfaces Components are composed of successively smaller components and interfaces Interacting components offer the systems interactions 133ac771ac Approach, cont. Decide upon a graphical syntax 133ac771ac Implementing the sequence diagram 133ac771ac Implementing the alternative 133ac771ac The Unified Process Life Cycle Inception . Defining the scope of the project Elaboration Planning the project, specifying features and designing the 133ac771ac An example Example: An Automated Teller Machine System Border 133ac771ac Search filters 133ac771ac Stereotypes Each stereotype defines a new kind of model element The new element is just like an existing element Stereotypes may be language- defined or user-defined 133ac771ac Difference Between Structured and ObjectOriented Approach 133ac771ac Acceptance of the UML, cont. UML is the natural successor of Booch, OMT, and OOSE methods Transitioning from these 133ac771ac Intro 133ac771ac Object-Oriented Design/Modeling Methodologies - Object-Oriented Design/Modeling Methodologies 16 minutes - Object,-**Oriented Design**,/Modeling Methodologies Thanks for watching this video lecture. This lecture is about the basic concepts ... 133ac771ac Acceptance of the UML, cont. Companies will join us in supporting the UML Microsoft and HP will join Rational in submitting the UML to the OMG; other companies have endorsed 133ac771ac Intro 133ac771ac Annotation Mechanisms Specifications 133ac771ac Interactions A use case is traced to an interaction (type) A scenario corresponds to an interaction instance A use case 133ac771ac Keyboard shortcuts 133ac771ac Rumbaugh object modelling technique 133ac771ac Creating the coin 133ac771ac Subtitles and closed captions 133ac771ac Dynamic model 133ac771ac Object Oriented Analysis (OOA) - Object Oriented Analysis (OOA) 47 seconds - This video is part of the Udacity course \"Software Architecture \u0026 **Design**,\". Watch the full course at ... 133ac771ac Spherical Videos 133ac771ac Object Modeling Technique 133ac771ac Functional model 133ac771ac The Unified Modeling Language, Part I, lecture by Grady Booch, Ivar Jacobson and James Rumbaugh - The Unified Modeling Language, Part I, lecture by Grady Booch, Ivar Jacobson and James Rumbaugh 1 hour, 26 minutes - The Unified Modeling Language, Part I, a lecture by Grady Booch, Ivar Jacobson and **James Rumbaugh**,. The video was recorded ... 133ac771ac Diagrams (cont.) Sequence diagram 133ac771ac Object Oriented Analysis and Design - Object Oriented Analysis and Design 26 seconds - This video is part of the Udacity course \"Software Architecture \u0026 **Design**,\". Watch the full course at ... 133ac771ac Approach Identify the underlying fundamental semantic concepts Agree on their importance and consequences Build a metamodel as a precise description of these semantic concepts 133ac771ac Interfaces An interface reifies a supplier client protocol and specifies . A set of callable operations o Ordering constraints with a state machine (optional) 133ac771ac General 133ac771ac Specifications Every model element may have - Specification Set of predefined and user-defined tagged values Stereotype A specification serves as the single defining statement of an element's characteristics 133ac771ac Computing is Becoming Complex Future trends . Programming without programming Patterns . Architectural emphasis 133ac771ac Organizing Work Assignments are on a per use case basis Design and 133ac771ac Models and Views A model is the basic quantum of development 133ac771ac The Unified Process Purpose is to build models of systems Organizes work in a process-oriented

way Manages the system life-cycle from womb-to-tomb Is risk-driven 133ac771ac Playback 133ac771ac What is Rumbaugh object modelling technique in Object Oriented System Design | What is OMT - What is Rumbaugh object modelling technique in Object Oriented System Design | What is OMT 16 minutes - What is **Rumbaugh**, object **modelling**, technique in **Object Oriented**, System **Design**, or Development is a video tutorial for beginners. 133ac771ac Creating the sequence diagram 133ac771ac Testing the System Use cases are test cases Many test cases for each use case When use case modeling is done - Plan testing \u0026 define test cases When design is done o Generate test case specifications from interaction diagrams and/or 133ac771ac Architecture-Centric Focuses on finding the the architecture baseline up-front A systematic approach to defining a \"good\" architecture Derived from top rank use cases Designed to make the system more resilient to future changes . Designed for and with 133ac771ac Modeling 133ac771ac The Unified Modeling Language, Part II, lecture by Grady Booch, Ivar Jacobson and James Rumbaugh - The Unified Modeling Language, Part II, lecture by Grady Booch, Ivar Jacobson and James Rumbaugh 1 hour, 20 minutes - The Unified Modeling Language, Part II, a lecture by Grady Booch, Ivar Jacobson and **James Rumbaugh**,. The video was recorded ... 133ac771ac The Unified Modeling Language The method wars do little to advance og practice Goal: a single, common modeling language Useable across all methods Usable across the life cycle 133ac771ac Introduction 133ac771ac Object Oriented Design - Object Oriented Design 25 minutes - Get the Diagrams : <http://goo.gl/ACQAd> UML Tutorial : <http://goo.gl/1oMF43> **Design**, Patterns Tutorial : <http://goo.gl/ZzjDWU> ... 133ac771ac Diagrams (cont.) Deployment diagram 133ac771ac Introduction to Object Oriented Analysis and Design - Introduction to Object Oriented Analysis and Design 5 minutes, 7 seconds - Introduction to **Object Oriented Analysis and Design**,. 133ac771ac System Building Requires: a modeling language with notation and semantics . a software engineering process 133ac771ac Key Characteristics of the Unified Process Use case-driven 133ac771ac 5 Steps to Understanding the UML Model Elements Relationships Common Mechanisms 133ac771ac Popular ObjectOriented Methodologies 133ac771ac Object model 133ac771ac ObjectOriented Methodologies 133ac771ac Macro Development Process 133ac771ac Packages Packages provide a general grouping mechanism a Packages own their contents Items belonging to one package may 133ac771ac

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