Abstract

UML, the Unified Modeling Language and entity relationship diagrams develops a design model for almost any software built using any of the object orientated programming language. Still this lacks in coverage for functional object orientated language like scala and others. This paper proposes new idea of modeling the functional languages that cover traits, mixins, linearization, singleton classes and Case Classes specifically.

References

3. Gavin Bierman, Alisdair Wren, First-class relationships in an object-oriented language,
Microsoft Research, Cambridge, University of Cambridge Computer Laboratory, FOOL 2005 15
January 2005, Long Beach, California Copyrightc 2005 ACM

4. Meike Massimow, Evaluierung des Einsatzes von Scala bei der Entwicklung für die
   Android-Plattform, thesis, University of Applied Sciences, Feb 2009
   Generation, April 21st, 2010
   Addison-Wesley, 1999
7. P. P.-S. Chen. The entity-relationship model – toward a unified view of data. ACM

Index Terms

Computer Science                     Software Engineering

Keywords

UML diagrams, functional object oriented languages, traits, linearizations, singleton classes.