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,


**Index Terms**

Computer Science  
Software Engineering

**Keywords**

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