Abstract

Design patterns are a proven way to build high-quality software. The number of design patterns is rising rapidly, while management and searching facilities seems not to catch up. This is why selecting a suitable design pattern is not always an easy task. This issue is especially clear for less experienced developers. In this paper we present our approach to cope with the presented issue - an experiment prototype of a new design pattern repository using XML schema, based on identifying, in a program, classes which structure and organization match-strictly or approximately-the structure and organization of classes as suggested by the design pattern. We express the problem of design pattern identification by matching a pattern by comparing it with a design pattern equivalent in XML schema. So this paper suggests the conversion system from Design Patterns to the form of XML Schema which has already become the standard of internet document.
By this we will be easily able to transform and save the Design Pattern that is the best practice in Design Pattern to XML document which is so reusable.

Reference

1. Design patterns by "Erich Gamma"
2. IBM Rational

Index Terms

Computer Science  Design Patterns

Key words

Design Pattern  XML Schema