Abstract

Before we implements object oriented system into a program, we usually have to design the model of system representation more simple. Object oriented modeling design that usually used is UML (Unified Modeling Language). Now there is a lot of tools of UML digram that can used such as Metamill, Rational Rose, etc. It provides the facilities to convert class diagram into language programming such as C++, Visual C++, Java, and Visual Basic.

The project of "Generator for PHP Source Code from UML Diagram (Unified Modeling Language) Based on XML (Extensible MarkUp Language)" was build to generate PHP code from the class diagram. PHP is a programming language for web that more increase every day. Because It supports procedural and object oriented programming. Beside of that, tools of UML Diagram not support to generate PHP source code.

Output of the application can help programmer to make the system that suit with design of UML Diagram based on XML. This Application was build by object oriented analyze and design with Java 1.5 and Visual Paradigm for UML (based on XML) as a tool of modeling system. This project analyze the parsing process (with Recursive Descent Parser method) and analyze input file from different UML diagram based XML, generate PHP code from input file of application, build php code and analyze the code and relationship between class that is generated by the application, and to analyze performance of application.

Key Word   : UML, Class Diagram, XML, PHP