



AGORA

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**PLASTIC™** 2005  
REUSABLE AND VALUABLE MODELING

## Product Overview

Agora Plastic™ 2005 is a software modeling tool on the basis of UML® to improve the software system quality & development productivity innovatively, so that it makes the software architecture perfect, reusable, and valuable.

It is very suitable to design the software by MDA®(Model-Driven Architecture®) method because it is very flexible and highly extensible to adapt in any user environment.

If you use Agora Plastic™ 2005, you can achieve the high quality & productivity of the software system effectively.

## System Requirements

- Intel® Pentium® 233MHz or higher
- Windows® 2000, Windows XP or higher
- Microsoft® Internet Explorer 5.0 or higher
- 128 MB RAM (256 MB recommended)
- 110 MB hard disc space (150 MB space recommended)
- CD-ROM drive
- SVGA or higher resolution monitor (1024x768 recommended)
- Mouse or other pointing device





# Key Benefits

## 01 Designs robust software architecture by exact using of UML®

Agora Plastic™ is based on the meta model of UML® standard specification of OMG™, so that it has strict observance of the standard compared to any other UML® modeling tools. So Agora Plastic™ can model artifacts of the software system correctly.

## 02 Automatic generation of source codes by adapting MDA® method

If you adapt MDA®(Model-Driven Architecture®) method, you can generate large amounts of source code automatically as you can concentrate on the application domain. Agora Plastic™ is very suitable to software development on the basis of MDA® because it provides UML® meta model, UML® profile, and Open API etc.

## 03 Quick analysis of source codes of the legacy system by reverse engineering feature

It takes a lot of effort to analyze a legacy system which doesn't consist of UML® based software model and integrating it into a new system. You can decrease time and cost by analyzing the system because generating perfect UML® model as analyzing source codes of legacy system in a few minutes if you use C++, C# and Java reverse engineering of Agora Plastic™.

## 04 Maximizes the software model value and preserves it more than ten years

Agora Plastic™ supporting UML® is on the basis of standard UML® of OMG™, also it saves all model data to XML. It guarantees the data compatibility of other modeling tools by supporting XMI®(XML Metadata Interchange), so the written software models can get values to preserve and re-use in the company for a long time.

## 05 Maximizes of productivity & quality through team collaboration

Agora Plastic™ supports the joint development of a team for software model by inter-working Micro-soft Visual SourceSafe directly. Since you can manage software models as you divide it into model unit, you can carry out team collaboration by inter-working any other version management & configuration management such as CVS, Subversion, PVCS, ClearCase, etc.

# Key Feature

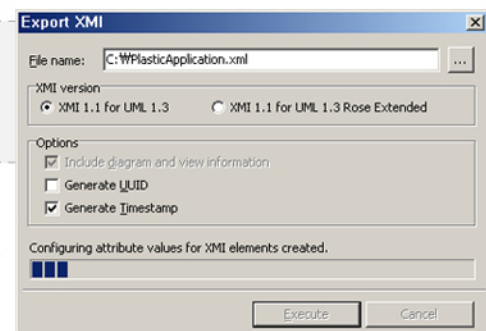
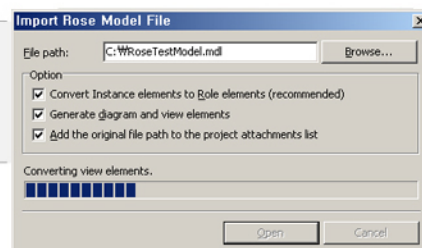
## Exact UML® standard model

Agora Plastic™ allows the user to model software by UML® standard of OMG™. UML® syntax and semantics to be irregular or depending on specific vendors might be a very dangerous choice if you consider continuance of software model over 10 years. Agora Plastic™ maximizes observance of UML® standard syntax and semantics.



## Valuable software model & multi-format support

Since all model data in Agora Plastic™ are on the basis of UML® standard meta model and they are saved to XML type, they can be preserved and re-used in the company for a long time. Also, Agora Plastic™ can read the written model files(.mdl) by Rational Rose, and it supports Import/Export of XMI®(XML Metadata Interchange) to support data compatibilities among UML® modeling tools.



## Various MDA® supporting feature



Agora Plastic™ can model application of any domain like finance, national defense, e-business, insurance, and aerospace by maximizing UML® extensibility with perfect supporting UML® Profile. It can write PIM(Platform Independent Model) of substantial meaning and it also generates executable code or PSM(Platform Specific Model) automatically through Open API from that.

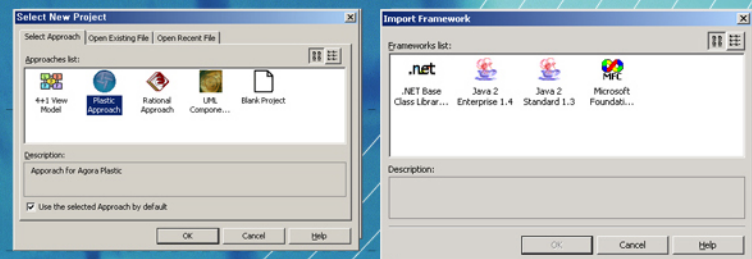
## Superior Extensibility

You can control Agora Plastic™ in any COM supporting language(Visual Basic Script, Java Script, VB, Delphi, C++, C#, VB.NET, Python, ...) and develop integrated Add-in parts because all functions of Agora Plastic™ is operated by Microsoft COM Automation.

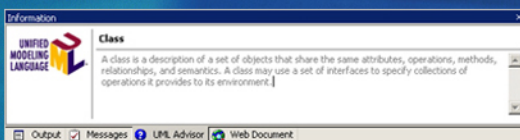


## Valuable software model & multi-format support

Agora Plastic™ can make environments to adapt to any methodology/process by introducing a concept of Approach. You can define, not only application framework model of platform such as .NET and J2EE, but also basic structure of software model(e.g. 4+1 View-model etc.) easily.



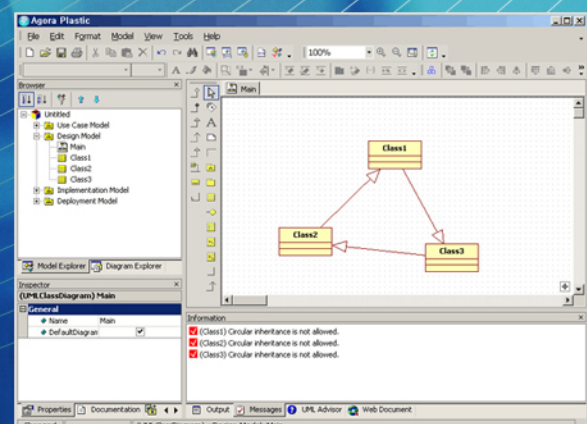
## Context-sensitive Help



Beginners can not only use tools easily but also study knowledge of UML® because they can watch situation on explanation of UML® while users are using Agora Plastic™. Users can minimize time and inconvenience for software modeling because they don't need to study UML® specifications or books while using tools.

## Verification of Software Model

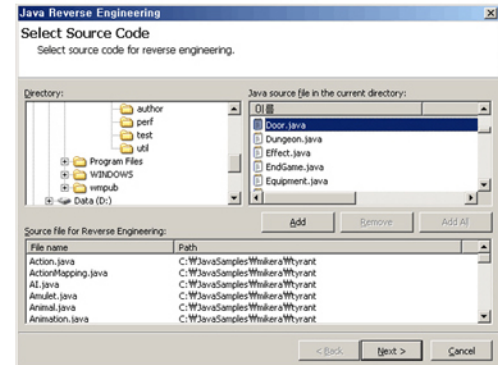
Users make many mistakes during the execution of software modeling. These mistakes can create big dangers in final coding step. To prevent it, Agora Plastic™ helps the system to execute a perfect and secure software design by detecting user designed software model in advance and verifying it automatically.



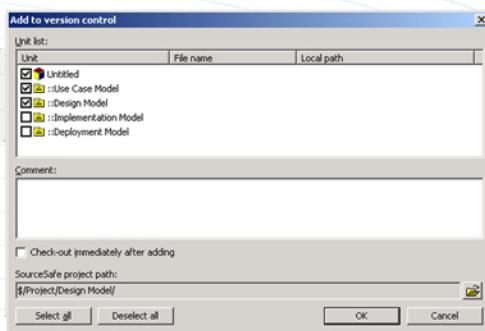


## Code generation & reverse engineering for various languages

Agora Plastic™ supports source code generation & reverse engineering of C++, C# and Java which programming languages covers most of software developments now. Agora Plastic™ creates complete UML® models as it analyzes source codes of the current legacy system in a few minutes. Also, it supports the modeling in real development environment by providing framework models of J2SE, J2EE, .NET Basic Classes and MFC 6.0.



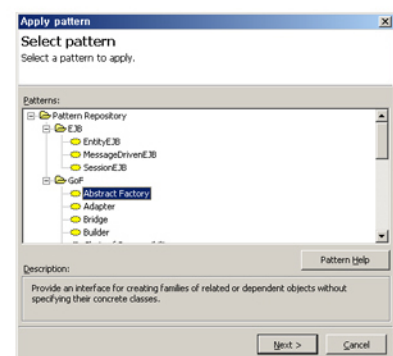
## Team Collaboration support



A team can carry out the modeling work together through the functions of check-in and check-out because of the direct interworking of Agora Plastic™ with Microsoft Visual SourceSafe. And you can use it with other version management systems such as CVS, ClearCase, PVCS, etc. because you can work by dividing them into model units.

## Pattern support

When you design software models, you can apply patterns easily by Agora Plastic™. Agora Plastic™ provides 23 of Gang of Four and EJB pattern, and you can register your patterns as you write them yourself.



# Feature Summary



| Category           | Feature   |
|--------------------|---|
| General            | Context-sensitive Help<br>Convenient edit of multiple Undo/Redo<br>Auto-layout of Diagram<br>Transforming Diagram to Image<br>Convenient Diagram Navigation by Bird's eye view<br>Quick and easy modeling by Quick dialog |
| Extensibility      | COM Automation<br>Add-In Framework<br>Model Framework Support<br>UML® Profile Extension<br>Approach Support   |
| UML®               | Support of Exact UML® 1.4 standard<br>(10 kinds of UML® Diagram Support)<br>Role centered modeling support<br>Inter-transition of Sequence & Collaboration diagram<br>Model verification support by UML® standard rule    |
| Interoperability   | Reading of Previous version file(.PCL, .PPj, .PDG) of Plastic<br>Import & Export of XMI 1.1<br>XML File format<br>Rational Rose (MDL) Import  |
| Team Collaboration | Support of model separation work through Unit<br>Import & Export of model segments<br>Team Collaboration Support by integration with MS Visual SourceSafe™  |
| Java               | Java Code Generation<br>Java Reverse Engineering<br>J2SE Model Framework<br>J2EE Model Framework<br>Java Profile<br>EJB Profile   |
| C#                 | C# Code Generation<br>C# Reverse Engineering<br>.NET BCL Model Framework<br>C# Profile  |
| C++                | C++ Code Generation<br>C++ Reverse Engineering<br>MFC Model Framework<br>C++ Profile  |
| Patterns           | GoF Design Patterns<br>EJB Patterns   |



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MY DEVELOPMENT STRATEGY

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