An Ameliorated Approach to Represent UML Class Diagram in the Table Format

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 182
Number 7

Year of Publication: 2018

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10.5120/ijca2018917635

Abstract

Nowadays Unified Modeling Language (UML) is a de-facto standard tool used for the design of software systems. The UML tool has the facility to perform forward engineering and reverse engineering of the UML diagrams. The user can make use of forward engineering option to convert the UML diagrams into a template in a target specific programming language such as C++, C#, Java etc and also can perform reverse engineering by transferring the template into the diagram. In this paper, we are proposing a Semi automated tool which takes the UML class diagram as an input and represent it in a table format. This process of transformation from diagram to table is carried out in two stages. Firstly by converting the input class diagram into its equivalent XML Metadata Interchange (XMI) format using a generic available tool called White Star UML and then the required contents are abstracted from the XMI format by our proposed developed tool.

References

Index Terms

Computer Science Information Sciences

Keywords

UML Class Diagram; XMI Format