

A Study on the Application of Martin & Odell's Object-Oriented Analysis Method to Library Management System

莊豐全、包冬意

E-mail: 8407509@mail.dyu.edu.tw

ABSTRACT

Object-oriented technology(OOT) is a key to software engineering in the future. It's greatest advantage is probably the software reuse. OOT, originated from object-oriented programming techniques, has developed relatively well fledged analysis methods so far. This research investigates the basic object-oriented(OO) concepts, summarizes and comments various OO analysis methods. Specifically, a case study focusing on library management system is conducted by Martin & Odell's OO analysis method. Furthermore, in comparison of Martin & Odell's OO analysis method with structure analysis method to investigate whether Martin & Odell's OO method is suitable for developing management information system.

Keywords : Object-oriented technique ; software reuse ; Object-oriented

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