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Currently organizations recognize the importance of data. Thus, database systems have become increasingly used for data management. The relational database model is one database system, which is used widely but it has some limitations. Mainly, the slow speed of access time is not suitable to create interactive systems. Also the data has been developed in various formats e.g. pictures, voice and other multimedia, causes problems because it cannot be represented in a relational database model.

Due to the problems mentioned above, programmers have tried to create various database systems to solve these problems. One of the database models is object-oriented database model (OODB) which addresses the disadvantages of the relational database model: the speed to retrieve the data, and representing the complex object data. Furthermore OODB can be made of overloading, encapsulation and inheritance attributes

These features of OODB are able to meet more users' requirements. Lots of users would like to change these systems from relational database system to object-oriented database system. To redesign an entire system often requires a long time and costly labor. Sometimes it will not be able to relay all the attributes accumulated in the original relational database. Currently, there is no right method to convert the relational database model to an acceptable object-oriented database model.

Therefore, this study will present the steps and methods in conversion of relational database model to object-oriented database model by choosing 1 model of OODB system for conversion (due to a lot of models of OODB) and will prove the reliability of database conversion as well.