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This project attempts to validate all the advantages that have been said about the object-oriented analysis, design and implementation since its inception over fifteen years ago. Object-oriented analysis, design and implementation offer a new and powerful model for writing computer software. It requires a major shift in thinking for all involved, but especially programmers. Using this method, not only the data type of a data structure is defined, but also the types of operations (functions) that can be applied to the data structure. This is essentially the 'object' or the building block upon which everything is based.

A Sales Application that is customized for a bookstore is the domain that was chosen for this investigation. In addition to assessing the object-oriented techniques, this project compares them to the relational techniques along with other methods that are currently being used.