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CHALIAW PHETKING : A DESIGN AND DEVELOPMENT OF
OBJECT-ORIENTED SOFTWARE REQUIREMENTS SPECIFICATION TOOL.

THESIS ADVISORS : SUTTINANT NANTACHIT M.S., WANCHAI
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The most importance step in the process of software development is software requirements specification. A good software requirements specification should be covered by all system functional requirements, should be validated, and should be clearly understood both by users and analysts.

This research aimed to design and develop an Object-Oriented Software Requirements Specification(OOSRS) tool that served to produce three types of reports such as IEEE 830-1993 format, goal-oriented structuring use case template format, and SATC requirements validation format. It was developed under the object-oriented software engineering(OOSE) method that was introduced by Ivar Jacobson. It was implemented by using object-oriented tool—Borland C++ Builder 4.0 and Interbase 5.1.

The OOSRS tool served to produce all three types of reports, but in English they are difficult to clearly understand by Thai analysts and users. In the next study, the tool should support the Thai language.