

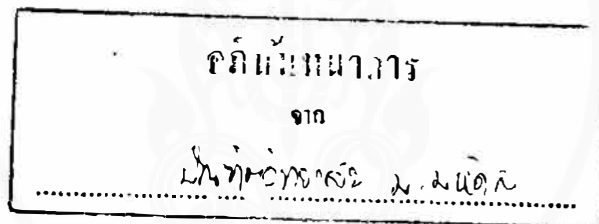


17 SEP 1996

ICONQUERY A VISUAL QUERY LANGUAGE

MONTON POJPORNWATTANA

๑



A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF SCIENCE
(COMPUTER SCIENCE)

IN

FACULTY OF GRADUATE STUDIES

MAHIDOL UNIVERSITY

Copyright by Mahidol University

1996

TH
M3981
1996

36394

Thesis Title IconQuery : A Visual Query Language
Name Monton Pojpornwattana
Degree Master of Science (Computer Science)
Thesis Supervisory Committee
 Chonchanok Viravan, Ph.D.
 Prem Sumetpong
Date of Graduation 21 May B.E. 2539 (1996)

ABSTRACT

To query information from database, there are two common approaches: embedded code in a program and write a query using query language such as Structured Query Language (SQL). The users for both approaches require some technical or programming skill. Novice users would consider their textual user interface unfriendly.

The new approach to solve these problems is to use "Visual Query Language" approach, where a query is construct in graphically. This study takes this approach with the conjecture that the graphical interface would help users write a database query faster and make less syntactical mistake

A prototype tool called "IconQuery" was design to test this conjecture. The IconQuery will allow user to create a query by composing icons and then transform them into SQL statement