

C216668 : MAJOR COMPUTER SCIENCE

KEY WORD: ELECTRONIC MAIL/ TERMINAL EMULATOR/ CU-WRITER/ FRONTEND
KARATCHAPHON CHOMRAT : DEVELOPMENT OF A THAI TERMINAL EMULATOR
WITH CU-WRITER ELECTRONIC MAIL FRONTEND. THESIS ADVISOR : ASSOC.
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The objective of this research is to develop a Thai terminal emulator and a CU-writer interface program to be an electronic mail frontend in the Unix operating system. The terminal emulator is a gate way for the user to login to Unix operating system. The CU-writer interface program can convert CU-writer file to an intermediate code and send it to the Unix electronic mail system.

The terminal emulator in this research encodes Thai characters to 7-bit codes and decode them back to the original code for display automatically. It can spawn CU-writer as a child process. By selecting the print menu item of the CU-writer, the electronic mail frontend program will show up which can be selected either to print or to send a mail. Sending a mail is done by reading, encoding and transmitting the encoded mail through the communication port to the Unix system character by character as if the user is keying the mail by him/herself.