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Second Revised Edition

Systems Programming and Operating Systems

Extensively rewritten to enhance readability and cohesion. Numerous improvements in the presentation of concepts have been effected throughout; errors and ambiguities have been corrected.

Highlights of this edition :

- Added a section on resource allocation and user interface functions.
- The section on threads has been rewritten.
- Discussion of working set allocator is revised completely—elaborations are added to the example on working set allocator.
- New discussion added on IO initiation.
- Sections on hashing function, garbage collection, code optimisation, relocation and linking concepts, deadlock handling algorithms, system states and many others have been elaborated upon and rewritten to enhance understanding.
- Chapters on Software Tools, Assembler, Interprocess Communication, File Systems and Protection and Security are substantially rewritten.

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