

Threads

CS 537 - Introduction to Operating Systems

Thread Description

- Thread's Private Information
 - ID
 - program counter
 - register set
 - stack
- Thread's Shared Information
 - code and data Memory
 - files
 - other OS resources

User Threads

- User process is in complete control
 - usually use a library to implement (pthreads)
- OS not involved
 - very fast to create and manage
- OS has no knowledge of multiple threads
 - if one thread blocks on I/O, process blocks
 - other threads in process may be available to run