Computer Systems Lecture 19

Exceptions

An exceptions are exceptional events that interrupt normal program flow and require the attention of the CPU outside of the running program.

External (“interrupts”)

* Not caused by program execution
* E.g. I/O interrupt like a network packet arrived

Internal(“traps”)

* Caused by program execution
* E.g. syscall or TLB miss

Intentional Exceptions

Use exception mechanism to request some OS functions