Exceptional Control Flow

Exceptional Control Flaw (Chapter 8) I Context

CPU (>> Infinite loop of Decode

Execute Most of the the Next Instruction Rest (that us know about) jung
call
fin control (s

ret

React to changes in program state Q: che is this not sufficient for a system A system is a set of interactine / interdependent component parts firming a complexion tricod. whole In computer systems, Processor TO Devices - Disk - File system - Nedwork - CPU/ Mou se/ Keghanrd OS / Kernel

Processos

Look at Distributed -- clarge the boundars

Networking A: Need to "react" to changes in (585tem state)

Data arrises from Nobolk, Divide 640 + Divido bg O Access Mega/ men (Gyboard Ctil+C of terbrid Graphics Cand System liver express E> Ran a different process

Exceptional Control Flow
-- change instruction segmence to respond
to changes in system state assochemons sonchronous Fixed at all levels of a computer system 1. Exceptions/Interrupts 40/0S 2. Process context surjet 05 US/Process 3. Signals 4. Par loca (jumps direct: setjonp/longjonp try HLL: CH/Jara Exception catch Process