-> Responsibilities
of on OS

-> Process

More than I word ~

-> Elements

Meta Doda 7 Interleave execution

-> Mocote resources

- Share into

- Shuc awasa becomes

- Program in execution

> Assigned to and

ereute on processor

-) Program Coole
Ly Resources well
assigned, but not a

part of the process

est of dota on

Attributes desoribing State of process Attachtifier CFD) A State (on 10ff)

or Priority (Level)

- Courter Cordon)

- Pointer (Duta)

- Context (Registers)

## Accounting (Time)

Process Contral Block -7 Dota struct that has all process elements

n Process = Code + Dota + PCB

Trace of a Process to List

Time slot jor
every process - Slicing
-> Time Slice is in
ms; we see it as
everything at sometime

Dispotcher

process to another

Processor Pov by Dispotchez steps absent in process Pov by Interleaving

Trave of B Trave of B And so on

State Roces Model.

Running / Maunning

## Exit Dispotch

Not Running

of processes

by Dueve is

used here

Process Birth and Death Traditionally, OS
created all process
recess can create
another process
(Process Spawning)

Hout inst

User Action

Foult on error

Perent Shuts Down

Reasons 10 Pouse a Process

→ Feady to Run in Next Slot

Role of the Dispatcher and get ready to

★5 State Process Model

Ready - Exit

Block- Exit

Mutti Blocked anene Maintain Mutiple

Que us Charlist

(Sected, there)

New - Ready - Runt Bit

Block

(I) O Operation)

- Created is loaded.

PCB is ready, the

Program & data are

exited / killed, child in ready -> Exit

-> OS terminates for higher priority

not yet loaded

were newert

To Multiple que ne Hor each event in the blocked quenes

They are async

processes.

Summery: Process - Elements of a process - Program control board - meta data - Disportcher - 3 State Process Model - Busing of a process - 5 State Process movel - Diff were for Block and Ready process - Multi Block Queue - Traction States - Ready to Exit & Block to exit - Parent & wild processes - Trace of process - Birth & Death of processes.