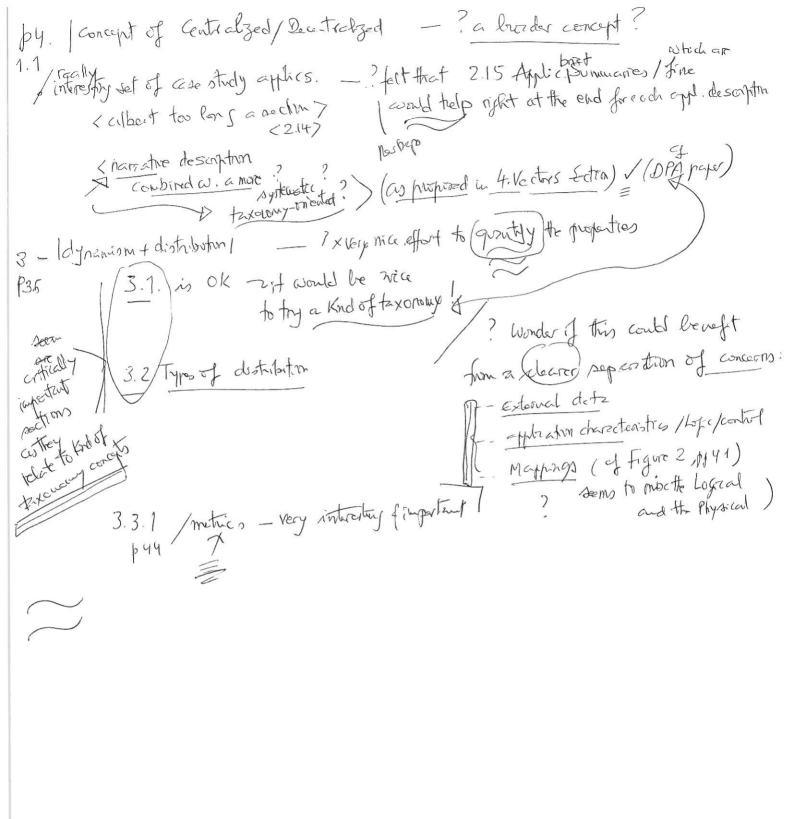
MEMORES ; regs, teacher KAM dishs "Centralized" data recordstables in DB "chatabated" Virtual address in 1) S multiple DE regions Di processor elevents Threads centralized" {id, state} Control of execution / multiple PE \_ "distributed" {locus of control} Mappings Trultple Log. DE 1 Log. DE Dynamic data Sharing A : values change in t Multple Phys. DE 1 Phys. DE Resources (Replieus / Partitions) : DE created/destroyed <transparently> : Mappings G & rhange in t 1 Log. PE Kisolation between Logical Contexts? A Dynamic central) : exec. state always changes in t Multiple Log. PE Time Multple Phys. PE (Replication of Control) : PE created/destroyed : orchange Lof > Phy change in t 1 Phys. PE for Distributed data or control units 4 Komposition of DE/RE elements - at Logical or Physical Levels of Abotrackim : can be uniform -> multiple DE aggregated as a collection -> multiple PE aggregated as a Horkpol of workers or a chuster of proupos - concept of OS Process) -> concept of -> combinations of DE + PF : or mixed the basic frecition Units | -> concept of PL Object -> cencent of Emporent Logical combinations of DEIPE are related = another of Service | Logical to concept of Locality > spatial and temperal what is a Location or a flace? Physical, · How do Maynings Log > Phy preserve / affect the Locality characteristics of a Logical 4 Interections / Communication [ Consider this at logical and Physical Levels] single acceptant; how are there name/addices Structure/Topology): between abovewary unto or compound units - handled by - post Behavior/Semantics ( arrien to a unit . through entry points ( method ) multiple areas points ( the unit? : Communication mechanisms: direct Physical ) indirect shared memory (Logical or Physical) Theredion [software bus (MoM, Questing Systems, Events Pob/Jul.) collective multicast } Static Dynamic



Issues: o (logical) DE and PE o the functional operator oncting upon them 51 a). at application o their Sompositions level o the non-functional spec o their (logical interactions) application (stricture / behanor) chandossics o (how all the above change) in time b) . at "system krel" o how are Mappings | performed?) = or multiple layers | e) o at infrastructure (Physical)
o likewise (1) A obta-contric perspective forus on how DE are organised Logically & Physically <a cording to application/infratation, \_ analyse to Mappings | - evaluate them. - analyse Combinations of DE/PE to improve to Maynings and preserve Locality 7 think how External Date Elements exist and are External Application generated Versus how Date Flowerts are modeled from within an Application? combination LyralDERE Infratactive, as support of the Lope of to-Physical Magnery The South State