Software Architecture

Lecture 4 Event Systems

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previously data flow and call-return styles

data flow

batch sequential dataflow network (pipe & filter) acyclic, fan-out, pipeline, Unix closed loop control

call-and-return

main program/subroutines information hiding - objects stateless client-server SOA

interacting processes

communicating processes event systems implicit invocation publish-subscribe

SWE 443 - Software Architecture

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data-oriented repository

transactional databases stateful client-server

blackboard

data-sharing

hierarchical

tiers

hypertext

modern compiler

compound documents

Fortran COMMON

interpreter

N-tiered client-server

LW processes



























































