Same method none, different implementations are treated as different functionings I havitance of implementation

Inheritance of implementation

2. Allow multiple inheritance toxtbook sconno stress with multiple outilies absely related, try to generalize a common subset of function his superclass use whortence of implementation to save/reuse code, class AB class A inheries AB dass B maries AB 1) add now onlity into the ontology implemented ABSAB[ABG] AC [AGABG] BC[BC[ABG]

Not part A[A] ABACABG] B

Carposition Carposition A { A, AB, AC, ABC }

B { B, AB, BC, ABC }

C { C, AC, BC, ABC }

composition of implementation To be antime defre unit of functioning" self-contined, integentant @ add new functions to existential entires. and by ABC ABC ABC ABC ABC AC BC 1. Locate the base class in the hierarchy to appeared the function teg. for eafle, Ed? shored by A and B. 2. add {d} to AB AB {ab, d | abc} Afalab, acabc, d3 Bfbab, ac, abc, d3

target base class is out-sourced and doest allow direct modification. AB => my AB (regan full control internals) Solution delegate hase case and madify my AB. extend AB interm () my AB - Interience of 14 laface - Multiple Disportation 2. Visiter partain (double disportation) 2 Visiter portern (doubt dispetely)

(ons: manual vouter, strong coupling cons

(could be complied the probability per horiston volviolation

(could be complied to volviolation

(could be consider volviolation) - Message Protocol Design on style protocol shored by all choics) (. Polit - to point 2. medialine (soupling to protocol stylements) median knows all messages of all chients comptle-the DI approved to factorout object graph Walidaein