Assignment 1: Handwritten

Problem 2: 1. IS-A: A Mallord Duck is a type of Luck. 2. IS-A: A Resheat back is 3. IS-A: A RubberDuck is a type of Luck. a type of Duck, and also needs to swim, fly, etc. Y. IS-A: Even it its a decoy, 6. HAS-A: Kly Behavior is NOT a type of Dery Duck is actogorised as Lucki Ducks have the ability to fly, so a type of duck. the Behavier would be a HHJ-A relationship. 1. HAS-A anacking is NOT a type of ducks 7. IS-A: Quack is a type of but rather a behavior a duck can do. Quel Pelavier 8. IS-A: Saverking is a type of Qualk Behaviar 9. IS-A: Mute Qualk, even if it Problem 1: is cilept, is a type of Quarkbelavi UML: State HAS-A Sales Tax Indiana, Hawaii, Alaska ARE-A State Notax, Seven Percent, Four Point Rive Percent ARE-A Sales Tax name: State <<interface>> Sales Tax Behavior State + compute Clarble value); Double -hame: String Seven Percent Farfait tget Namo (): String Kue Parcent NoTax tset Name (); Void connicte 2 117% sales tos String Make compade { compake & + Set Tax (Sala Taxo Belavior tax) : vo 11 4.79 sals tax H No sales tax +show Tab (double value): voi. Havail Indiana Alaska Show Tab & show Too & show Tax 2 1/No sales tax 114.5% sals to 117% sala lax

Problem 3: UML: A Auctioneer is subject, Three types of observers In-person Online Phone All channels observers << interface>> 45 interface> 4 cinterface27 Subject Observer Channel register Observer () update () pay Bill renove Observer () notify Observar () Interson Chame Online Channel Auctioneer uplatea uplate () register Observer() pay Bid () pery 1371 (1) remax Objernery) PhoneChanne notify Observer() update() pay Bid () get Rid () bid (harged))