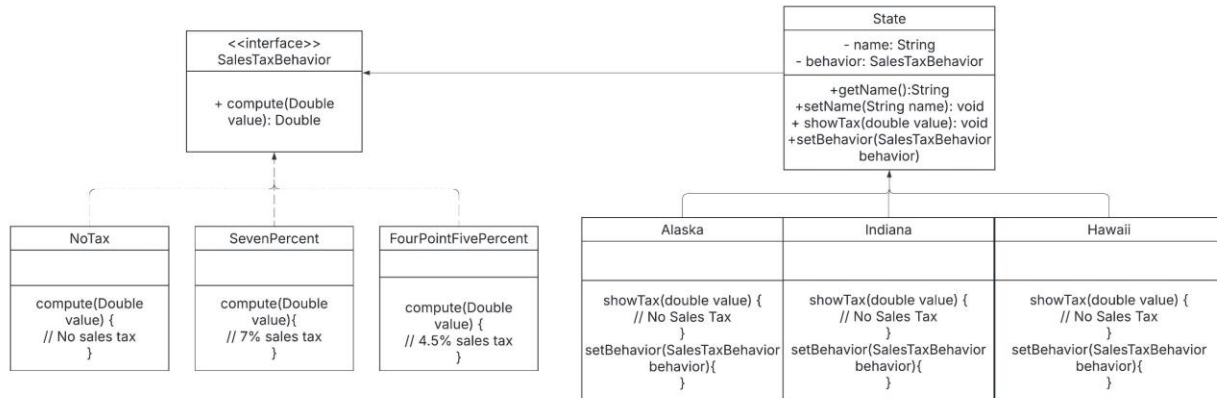


Shiraz Jafri

Object Oriented Programming (CSCI-C: 322)

02/03/2025

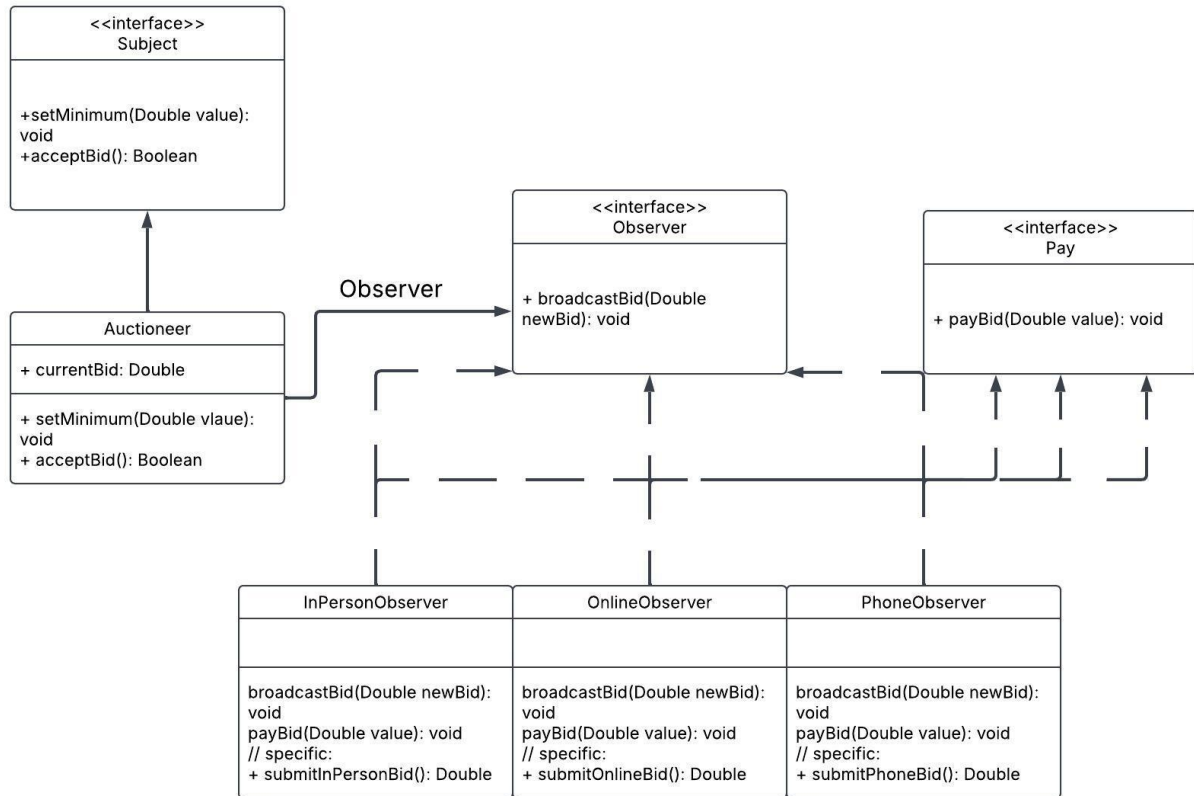
Problem 1 (Part B):



Problem 2:

HAS-A Relationship	IS-A Relationship
5: The duck <u>has</u> a FlyBehavior interface inside it which builds on to the duck class.	1: Mallard Duck <u>is</u> a sub class of Duck, meaning it is derived from super Duck class and shares the same methods.
6: The duck <u>has</u> a QuackBehavior interact initialized which builds on the duck class.	2: RedheadDuck <u>is</u> a Duck class but with its own implementation of display() method.
	3: RubberDuck <u>is</u> a Duck class but with its own implementation of display()
	4: DecoyDuck <u>is</u> a Duck class with its own implementation of display()
	7: Quack <u>is</u> a QuackBehavior interface with its own implementation of quack() method
	8: Squeak <u>is</u> a QuackBehavior interface with its own implementation of quack() method
	9: MuteQuack <u>is</u> a QuackBehavior interface with its own implementation of quack() method.

Problem 3:



Bidders

(Observers)