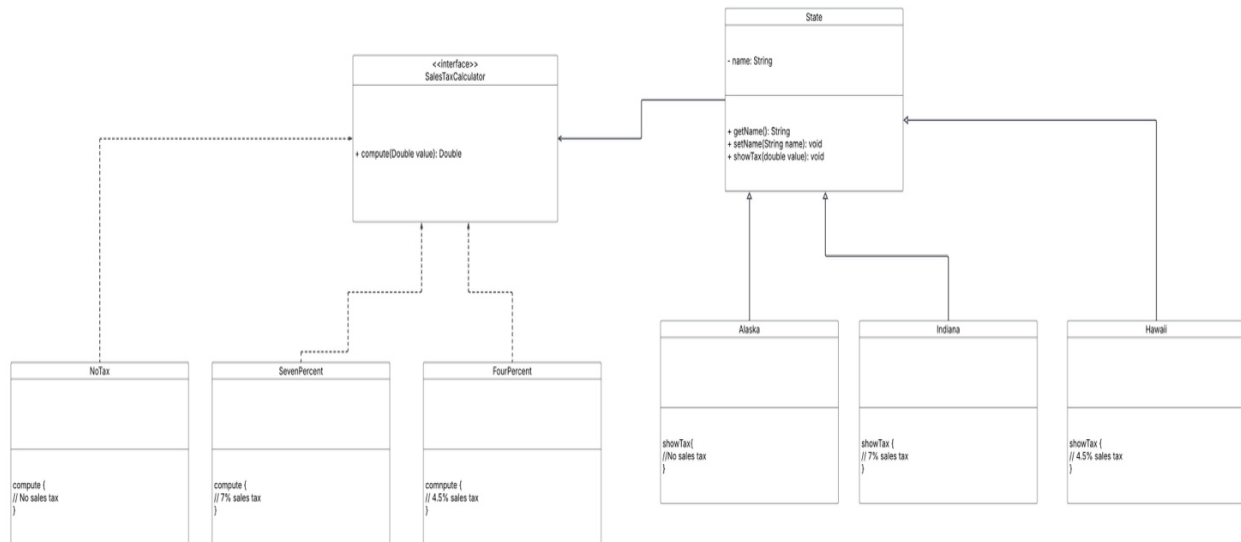


Assignment 1

Problem 1:

Part 2:



Problem 2:

1. MallardDuck IS-A Duck: because MallardDuck derives the function `display()` from the base class Duck
2. RedHeadDuck IS-A Duck: because RedHeadDuck derives the function `display()` from the base class Duck
3. RubberDuck IS-A Duck: because it derives the function `display()` from the base class Duck
4. DecoyDuck IS-A Duck: because it derives the function `display()` from the base class Duck
5. Duck HAS-A FlyBehavior: because it has an instance of the class FlyBehavior
6. Duck HAS-A QuackBehavior: because it has an instance of the class QuackBehavior
7. Quack IS-A QuackBehavior: because it derives the function `quack()` from the base class QuackBehavior
8. Squeak IS-A QuackBehavior: because it derives the function `quack()` from the base class QuackBehavior
9. MuteQuack IS-A QuackBehavior: because it derives the function `quack()` from the base class QuackBehavior

Problem 3:

