



Assignment 1 Problem 2

- 1) MallardDuck (IS-A): The MallardDuck is inheriting properties and behaviours from Duck.
- 2) RedheadDuck (IS-A): The RedheadDuck inherits its properties and behaviours from Duck class.
- 3) RubberDuck (IS-A): The RubberDuck also inherits its properties and behaviour from Duck class.
- 4) DecoyDuck (IS-A): DecoyDuck inherits from Duck
- 5) FlyBehaviour (Has-A): Duck contains instance of FlyBehaviour as a member, thus a composition.
- 6) QuackBehaviour (Has-A): Duck contains instance of it as a member and therefore a composition.
- 7) Quack (IS-A): uses QuackBehaviour interface, so implementation
- 8) Squeak (IS-A): also uses QuackBehaviour interface, so implementation
- 9) MuteQuack (IS-A): Implements QuackBehaviour Interface, Implementation
- 10) FlyWithWings (IS-A): implements FlyBehaviour interface, implementation
- 11) FlyNoWay (IS-A): implements FlyBehaviour interface, Therefore it is also a case of implementation

