**S**ingle Responsibility

**O**pen for extension, closed for modification

**L**iskov Substitution

**I**nterface Segregation

**D**ependency Inversion

1. There is a clear violation of Liskov Substitution as two unrelated classes are both attempting to extend abstract class *Vehicle*; however, Bicycle’s do not have engines. This inherently changes the behavior of our program.
2. 