

The Code hasn't been completed yet, so anything stated here is only relative and assumptions

**1. Single responsibility principle**

This principle is not violated since all the components are designed with only one responsibility in mind.

**2. Open/closed principle**

As stated, the code is not yet done. All I can say is that I will try my best in the coding process not to violate this process.

**3. Liskov substitution principle**

As stated, the code is not yet done. All I can say is that I will try my best in the coding process not to violate this process.

**4. Interface segregation principle**

As stated, the code is not yet done. All I can say is that I will try my best in the coding process not to violate this process.

**5. Dependency inversion principle**

As stated, the code is not yet done. All I can say is that I will try my best in the coding process not to violate this process.