Exercise

Describe 3 consequences of violating the Single Responsibility (SR) Principle?

▸ 1:

▸ 2:

▸ 3:

Exercise

Which of the following are TRUE about the Single Responsibility (SR) Principle?

▸Every class should have a single responsibility

▸Every class should have broad, multiple responsibilities

▸A responsibility should be entirely encapsulated.

▸A responsibility should be narrowly aligned

▸Classes that enforce the SR principle embrace high cohesion.

Exercise

Explain the impact of using interfaces rather than inheritance when defining classes.

(Terms to use: coupling, implementation details, code modification)

Exercise

Draw a quick sketch of the problem domain (coffee brewing) so far..

Exercise

Modify your sketch of the problem domain (coffee brewing) to include the changes we've discussed (handling more than one type of coffee machine)

Exercise

List the names of the design principles in the SOLID acronym:

- S

- O

- Liskov Substitution Principle

- Interface Segregation Principle

- Dependency Inversion

References

- https://stackify.com/solid-design-principles/
- https://stackify.com/dependency-inversion-principle/
- https://deviq.com/solid/