

### Custom Substitution Principle

9.5

#### Delegation:

- A given parameter can be parameterized with a shield object.
- This helps to:
- Increase reusability
- Increase extensibility
- ...

### Interface Segregation Principle

Interface is a window to a hidden component.

"..." represents public methods of a component.

A component can have many interfaces.

#### Core ideas:

- Reduce complexity
- Increase extensibility
- Increase reuse
- Increase maintainability

### Dependency Inversion Principle

#### Core Ideas:

- Organize the system into layers. Some layers will be more abstract & others will be detail oriented.
- Components from the abstract layer should not depend on components from the detail layers.