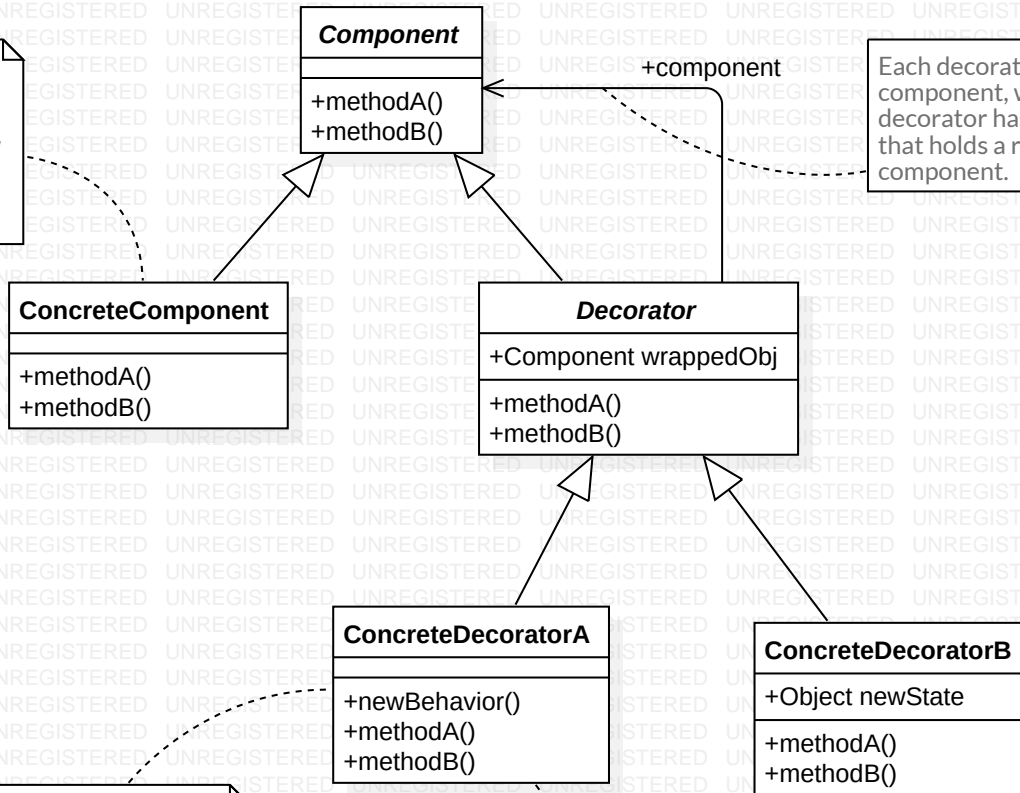


Decorator Class Diagram

The ConcreteComponent is the object we're going to dynamically add new behavior to. It extends Component.



Each component can be used on its own or wrapped by a decorator.

Each decorator HAS-A (wraps) a component, which means the decorator has an instance variable that holds a reference to a component.

The ConcreteDecorator inherits (from the Decorator class) an instance variable for the thing it decorates (the Component the Decorator wraps).

Decorators can extend the state of the component.

Decorators can add new methods; however, new behavior is typically added by doing computation before or after an existing method in the component.