Name : Abhay Pendawle   Student Id : 010831405
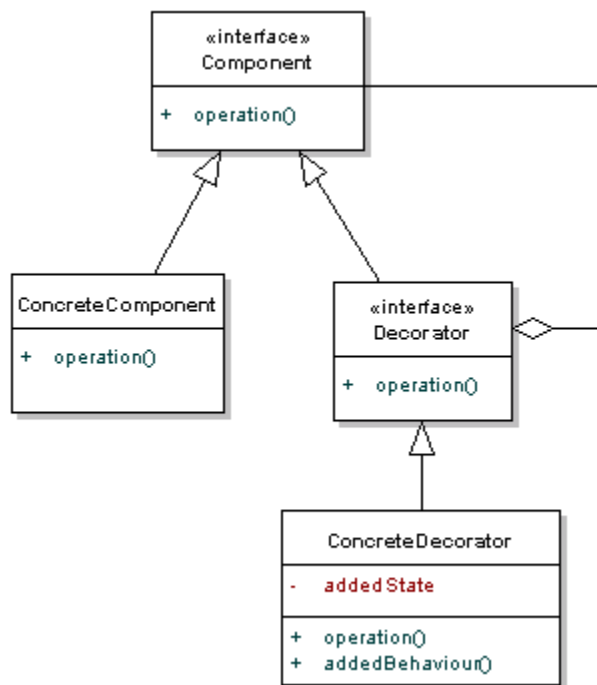
Study of Decorator Pattern

Decorator is a structural pattern, which allows class behavior to be extended dynamically at runtime. The decorator pattern adds additional attributes to an object dynamically. The definition of Decorator pattern in the original Gang of Four book states: "***Allows for the dynamic wrapping of objects in order to modify their existing responsibilities and behaviors".***

The **Component** defines the interface for objects that can have responsibilities added dynamically, and the **ConcreteComponent** is simply an implementation of this interface. The **Decorator** has a reference to a **Component**, and also conforms to the Component interface.