Trường Đại học Khoa Học Tự Nhiên Khoa Công Nghệ Thông Tin Bộ môn Công Nghệ Phần Mềm

CTT526 - Kiến trúc phần mềm Mẫu thiết kế Structural Patterns

PGS.TS. Trần Minh Triết tmtriet@fit.hcmus.edu.vn

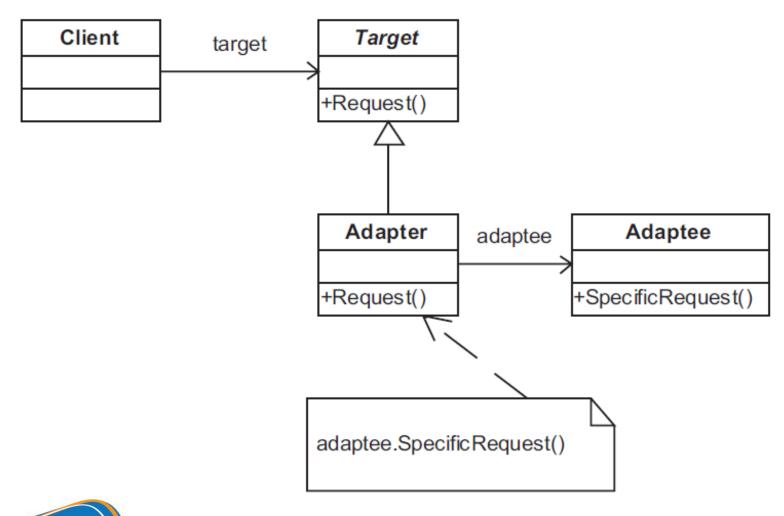




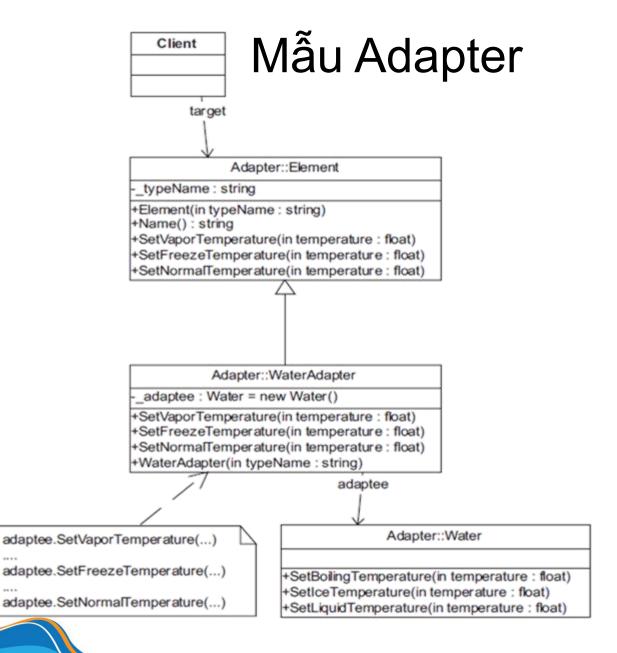
Mẫu thiết kế trong nhóm Structural Pattern

- Mẫu Adapter
- Mẫu Bridge
- ☐ Mẫu Composite
- Mẫu Decorator
- Mẫu Facade
- Mẫu Flyweight
- ☐ Mẫu Proxy

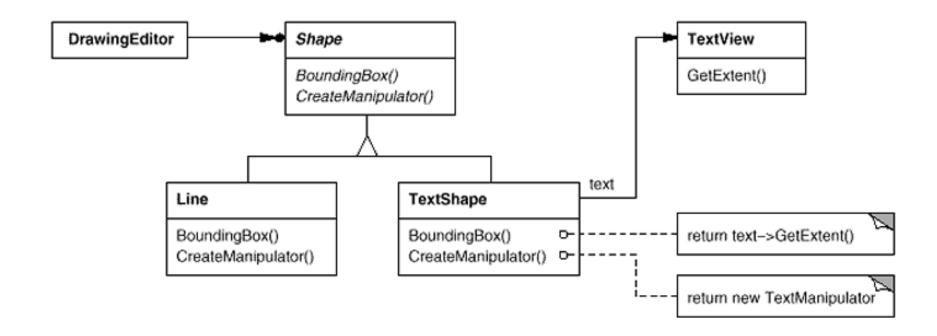




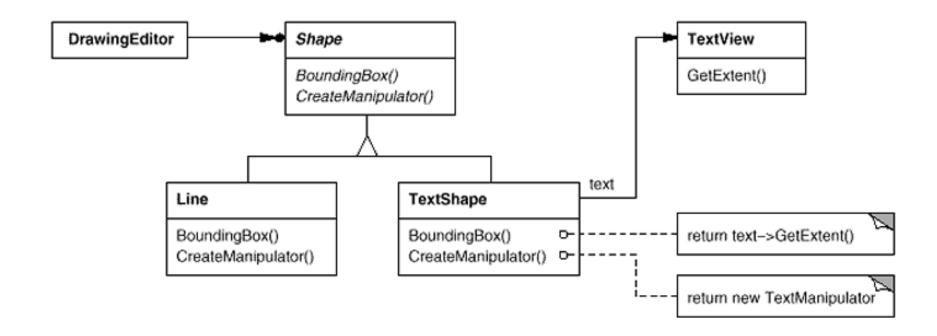




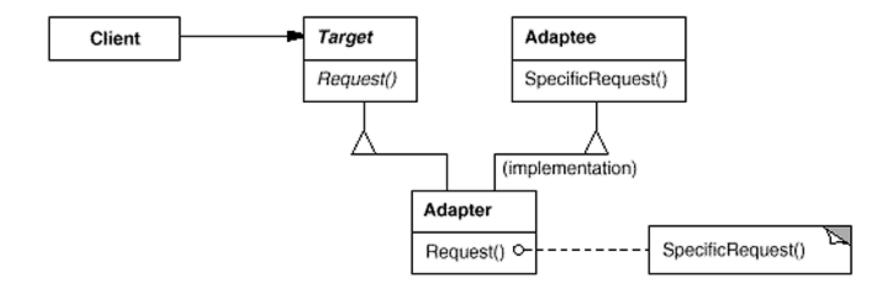




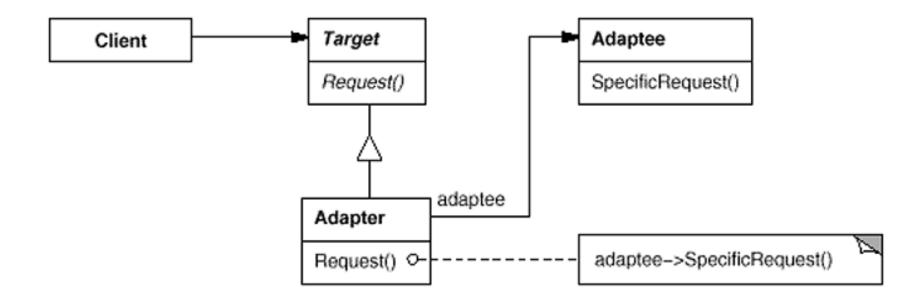










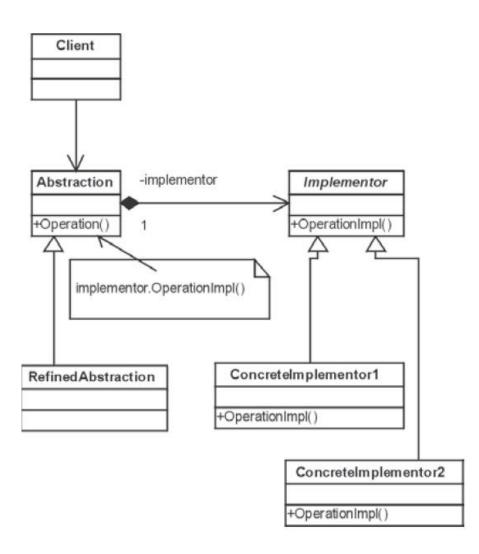




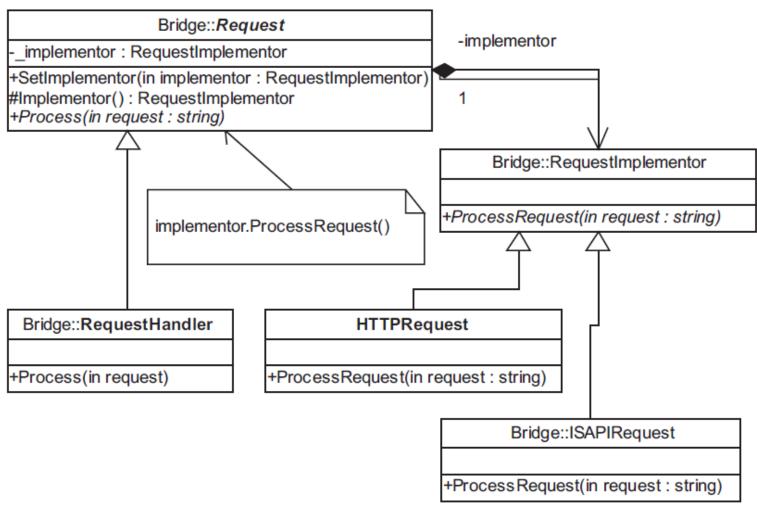
- Thảo luận
 - Bản chất của mẫu Adapter?
 - Những tình huống sử dụng
 - So sánh với các mẫu liên quan
 - Bridge pattern
 - Decorator pattern
 - Facade pattern
 - Proxy pattern
 - Template pattern
 - Visitor pattern



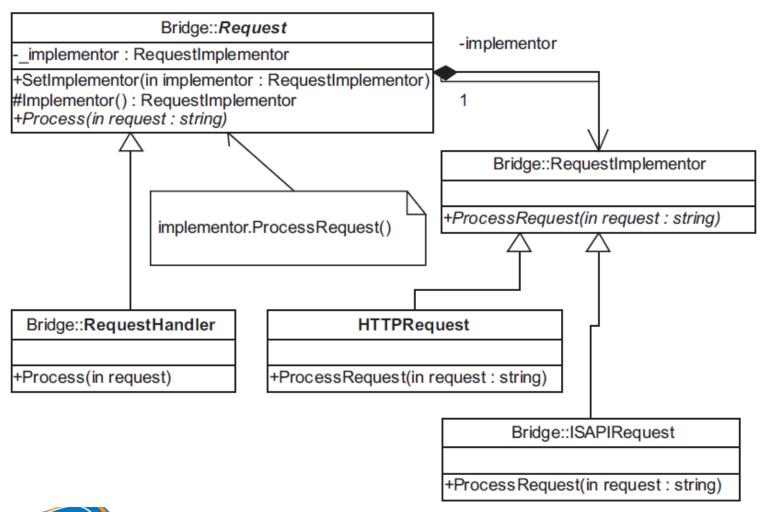




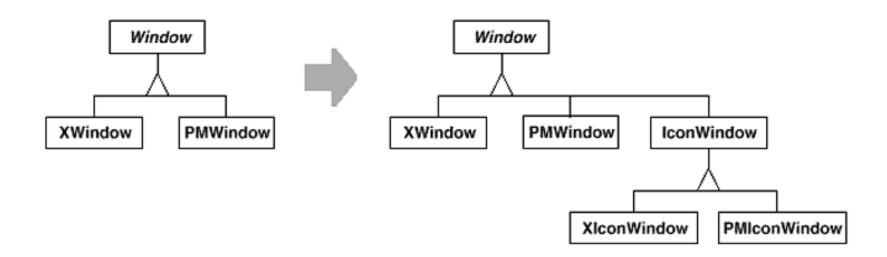




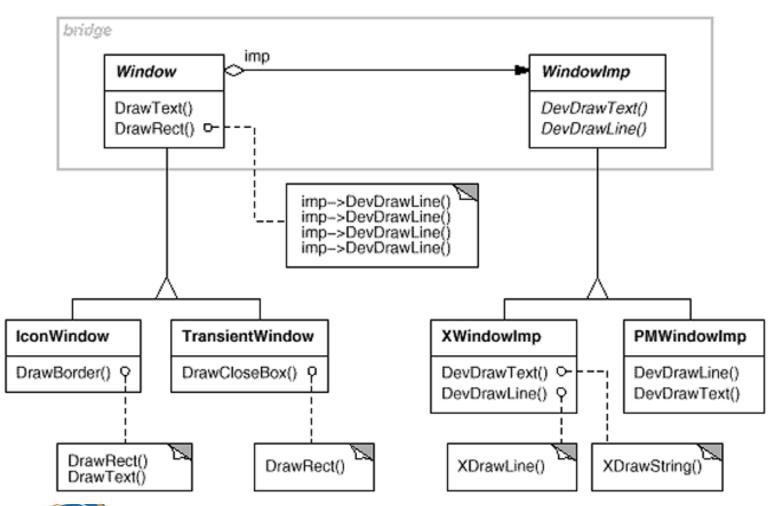




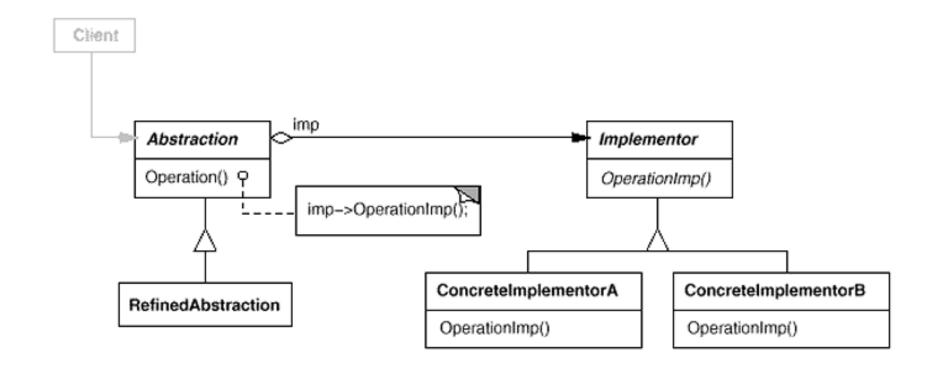










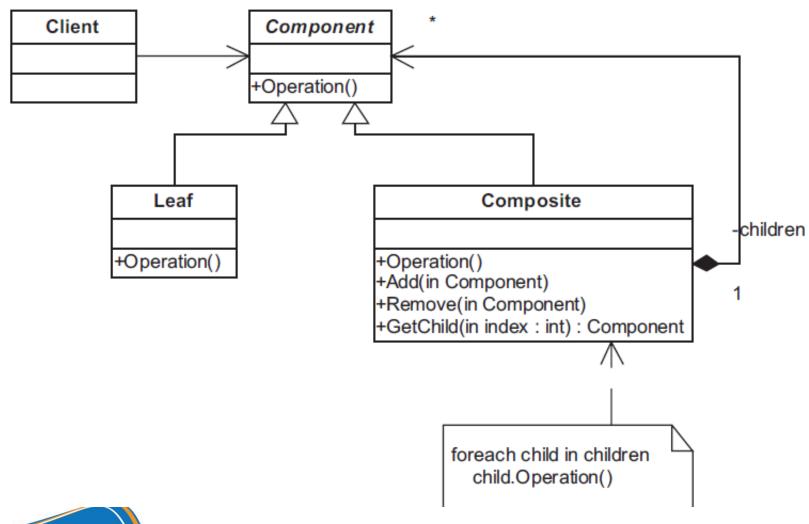


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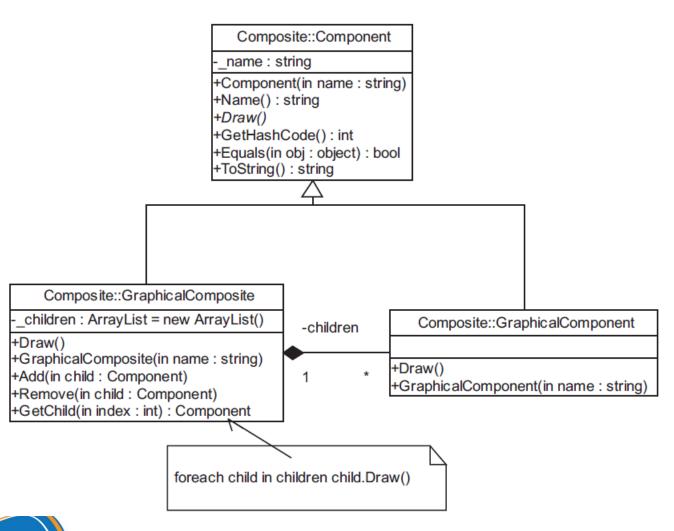
- Thảo luận
 - Bản chất của mẫu Bridge?
 - Những tình huống sử dụng
 - ☐ So sánh với các mẫu liên quan
 - Adapter pattern
 - Facade pattern
 - Proxy pattern
 - Template pattern



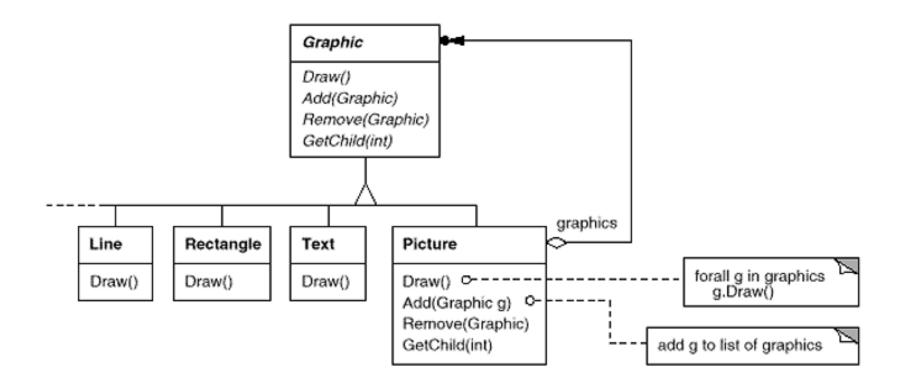




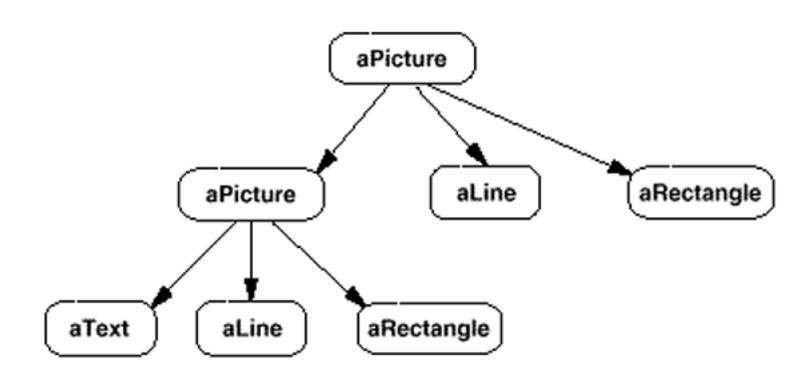




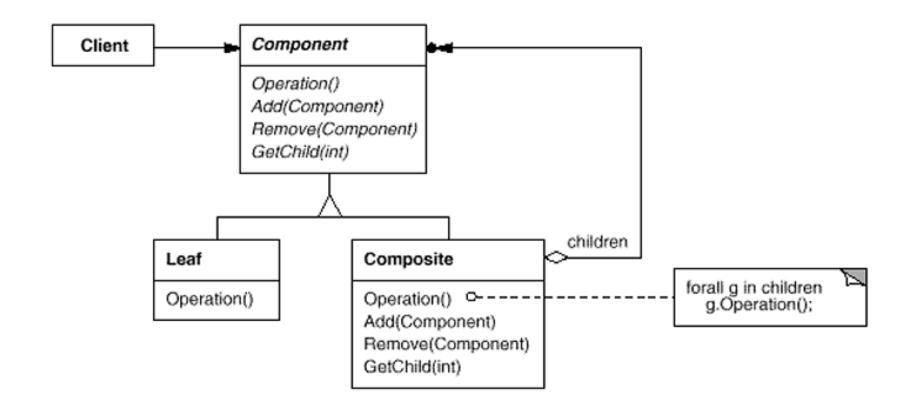




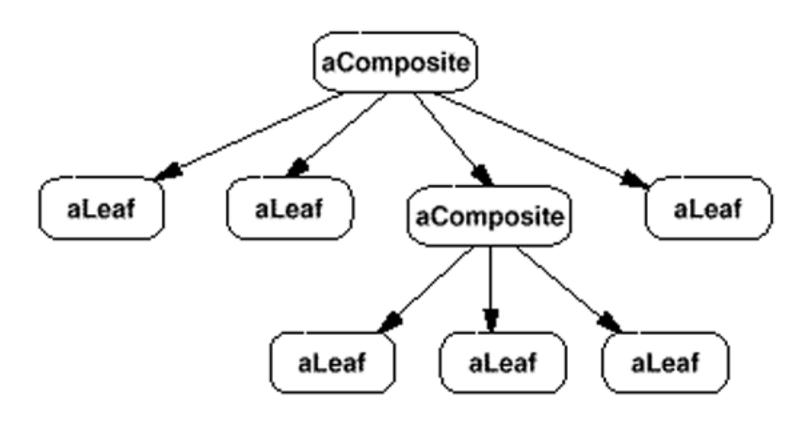










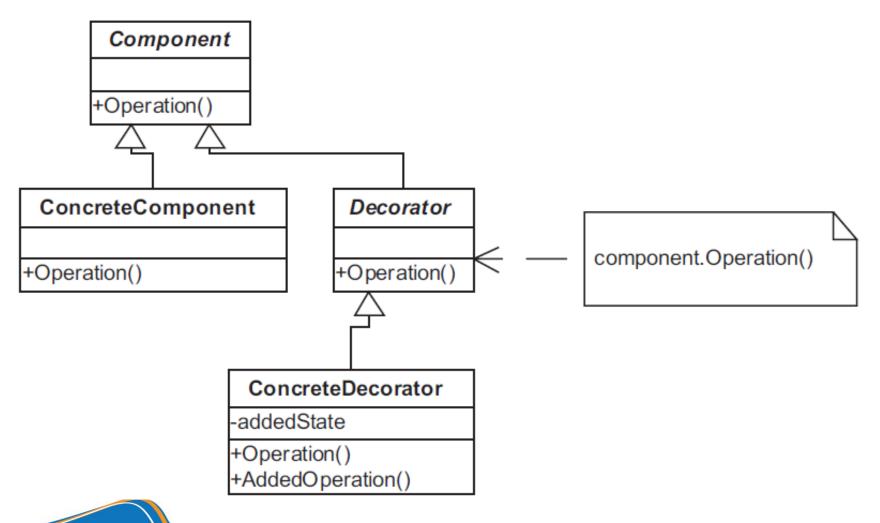




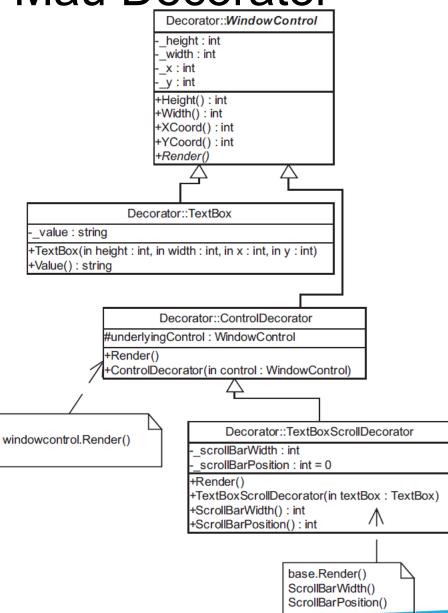
- Thảo luận
 - Bản chất của mẫu Composite?
 - Những tình huống sử dụng
 - ☐ So sánh với các mẫu liên quan
 - Chain of Responsibility pattern
 - Command pattern
 - Decorator pattern
 - Flyweight pattern
 - Iterator pattern
 - Visitor pattern



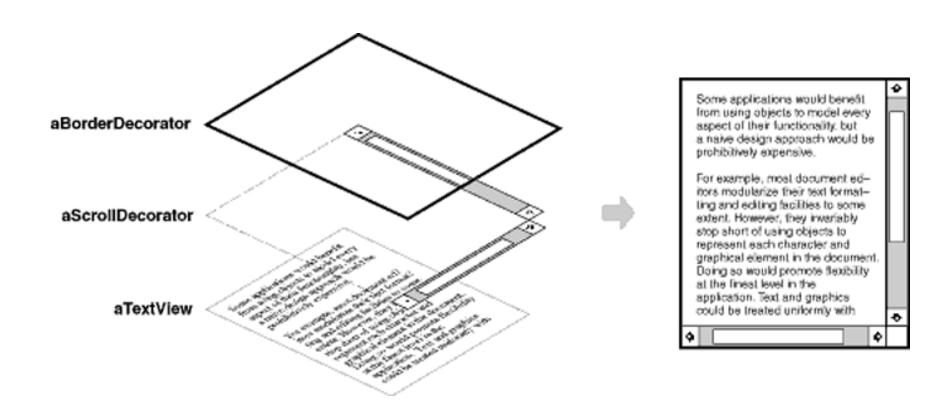




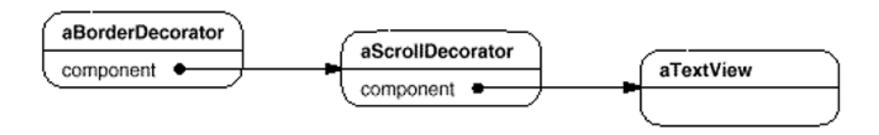




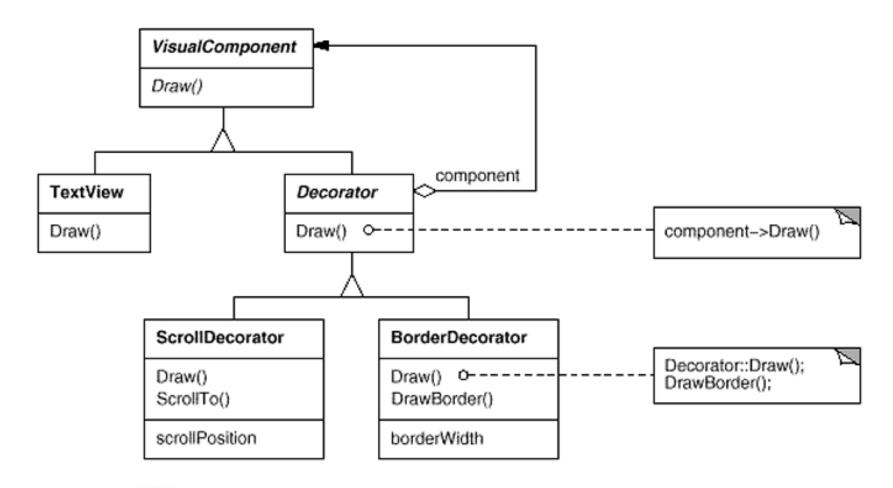




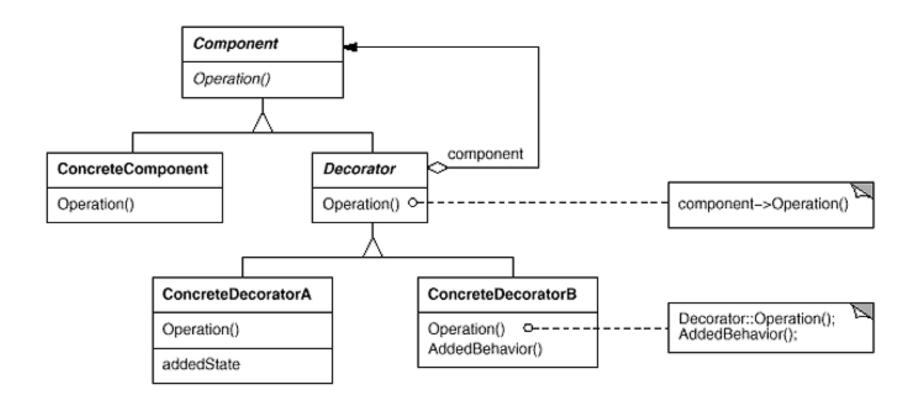




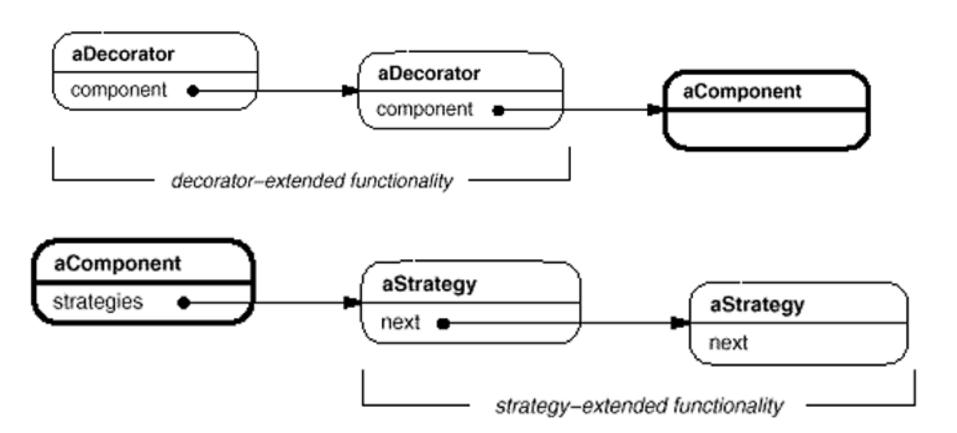




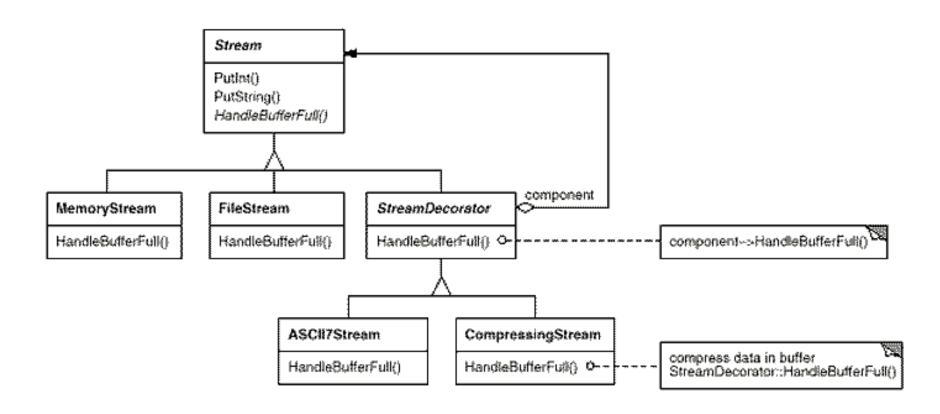










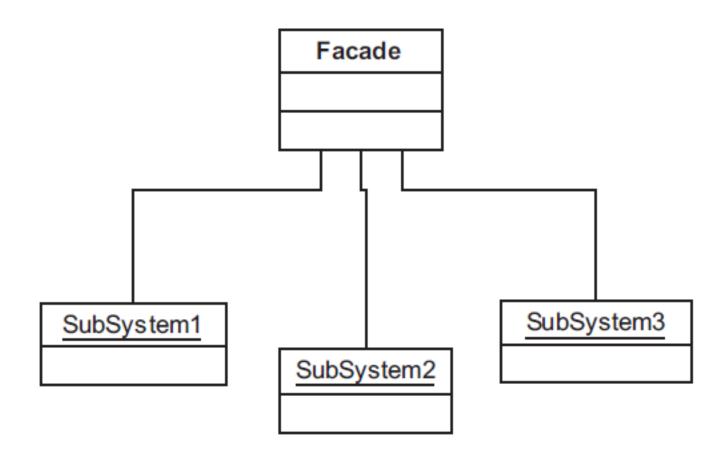


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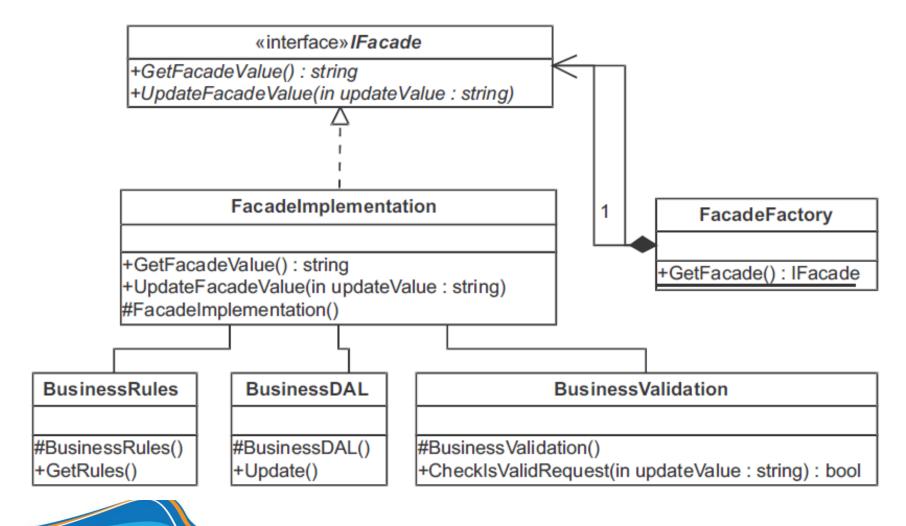
- Thảo luận
 - Bản chất của mẫu Decorator?
 - Những tình huống sử dụng
 - ☐ So sánh với các mẫu liên quan
 - Adapter pattern
 - Composite pattern
 - Visitor pattern



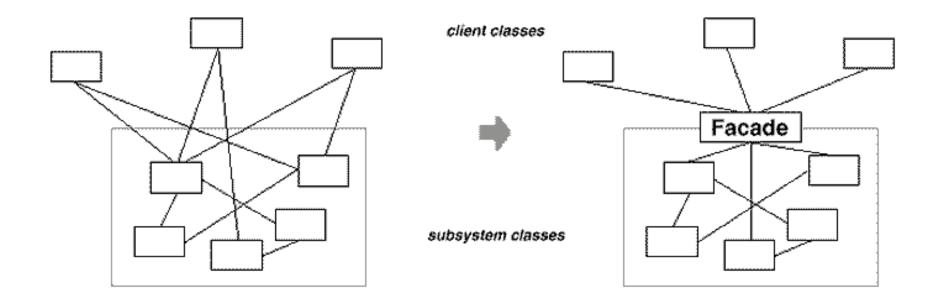




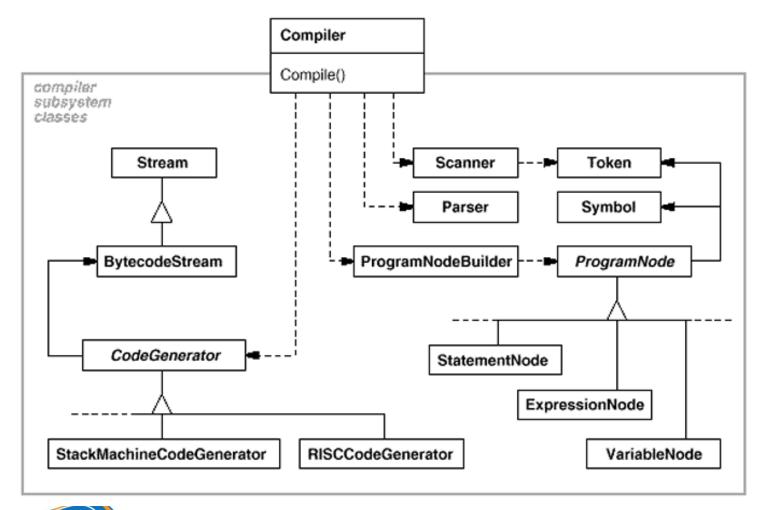






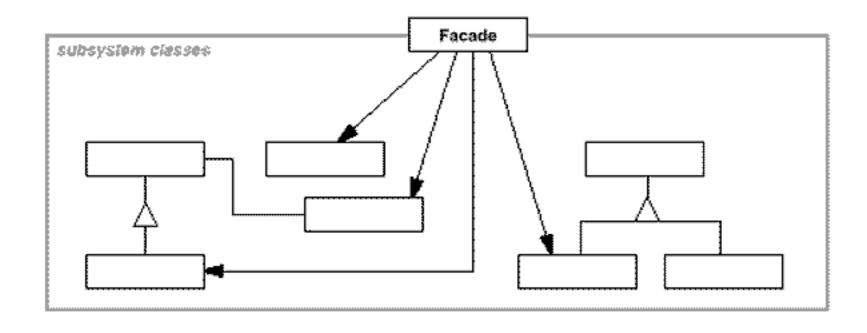






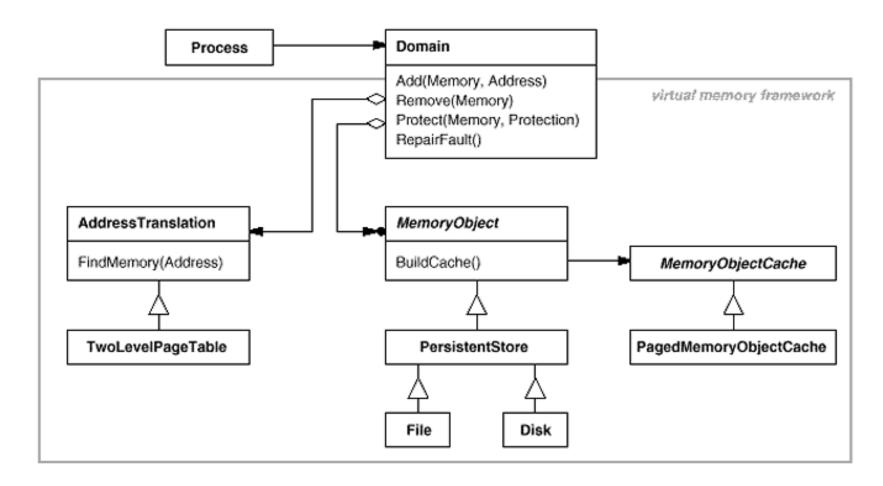


Mẫu Facade





Mẫu Facade



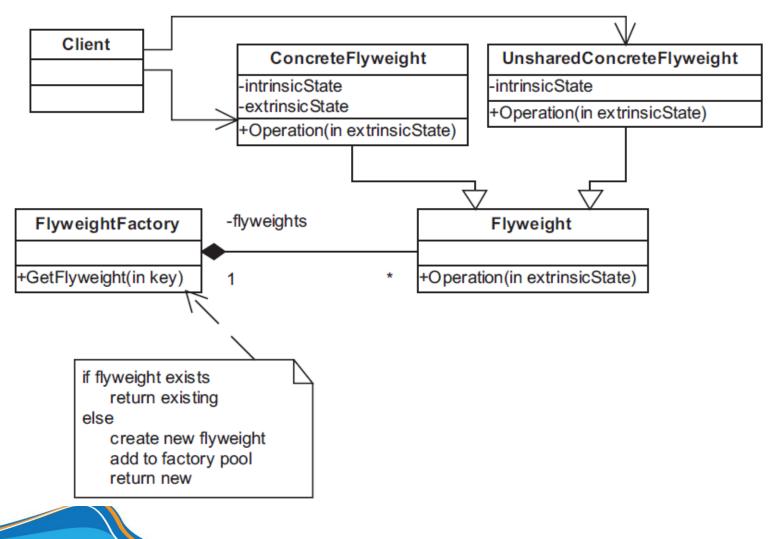
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Mẫu Facade

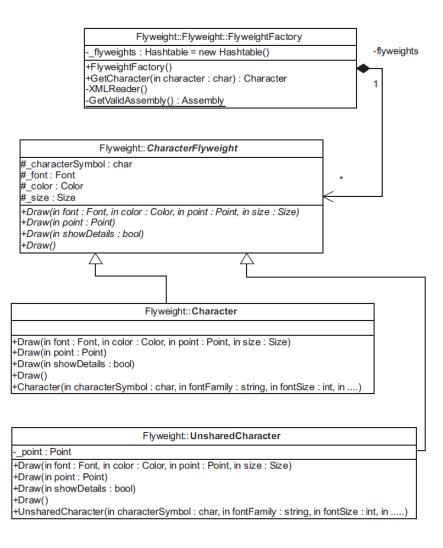
- Thảo luận
 - Bản chất của mẫu Facade?
 - Những tình huống sử dụng
 - ☐ So sánh với các mẫu liên quan
 - Adapter pattern
 - Bridge pattern
 - Proxy pattern



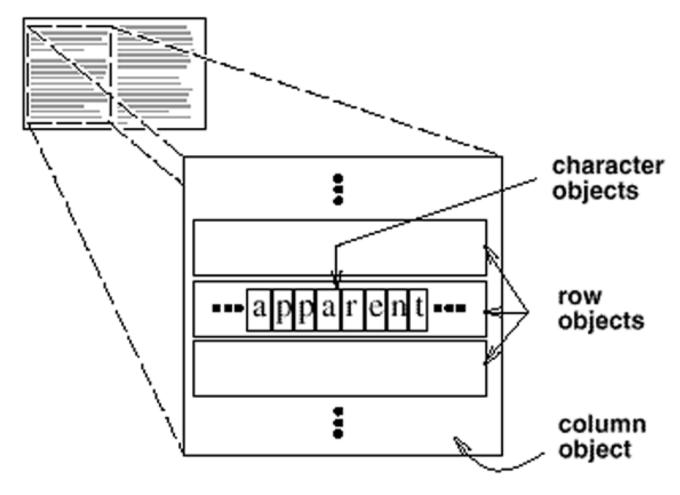




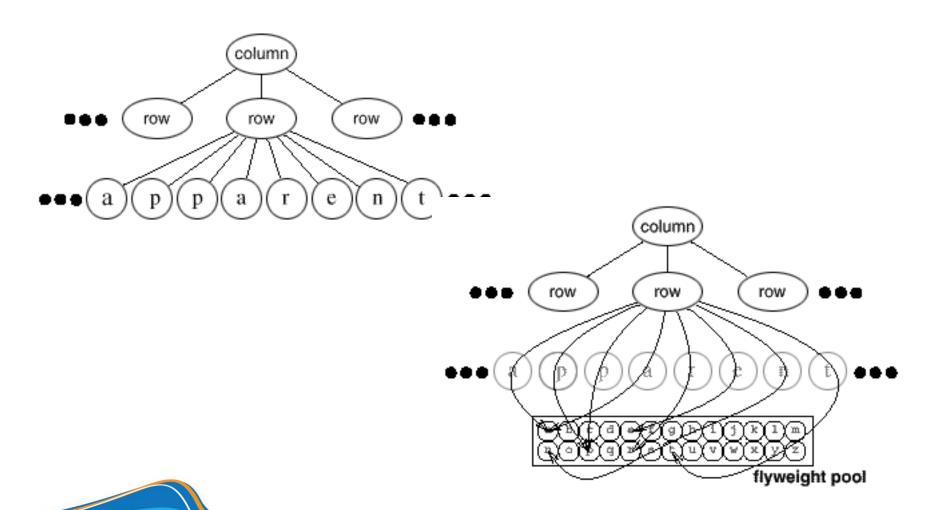




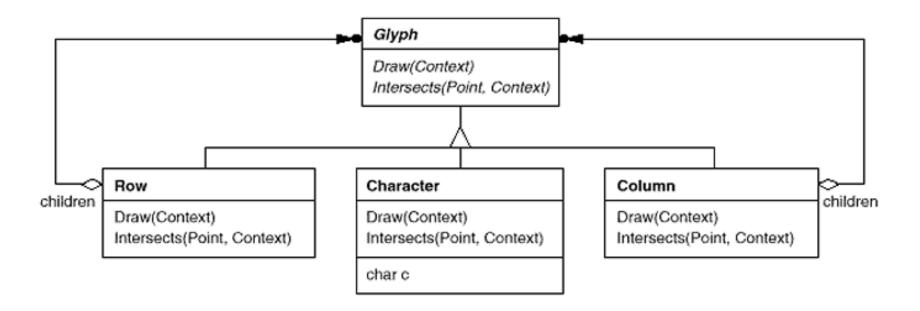




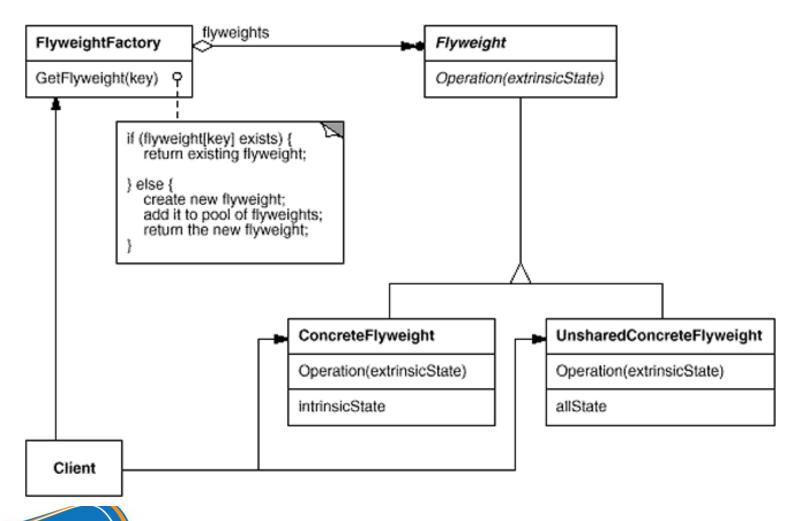




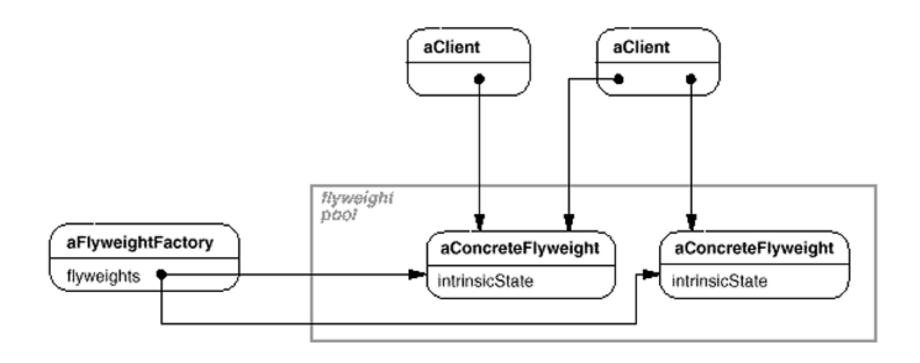










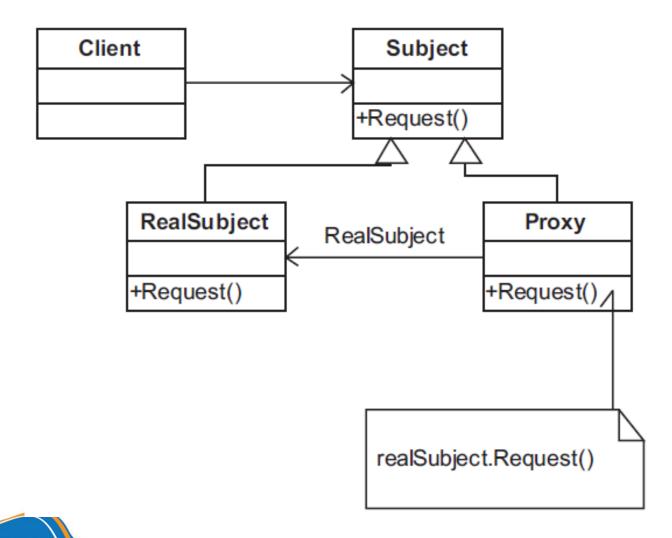




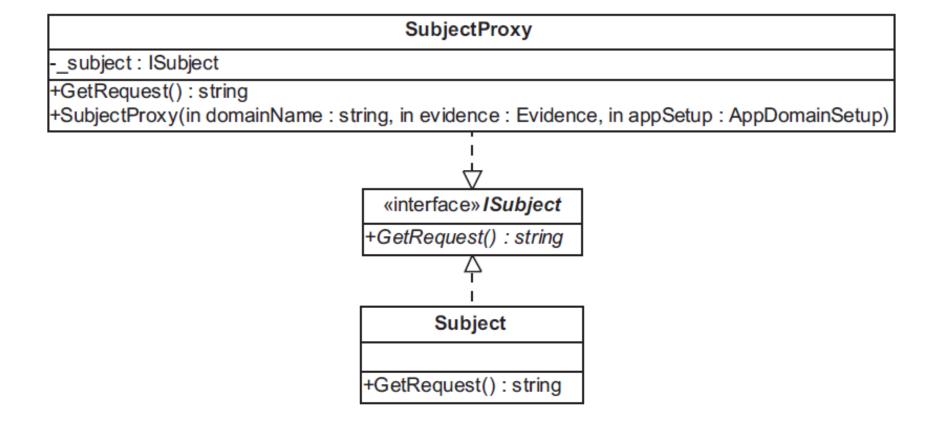
- Thảo luận
 - Bản chất của mẫu Flyweight?
 - Những tình huống sử dụng
 - So sánh với các mẫu liên quan
 - Composite pattern
 - Factory pattern
 - Interpreter pattern
 - State pattern
 - Strategy pattern
 - Template pattern



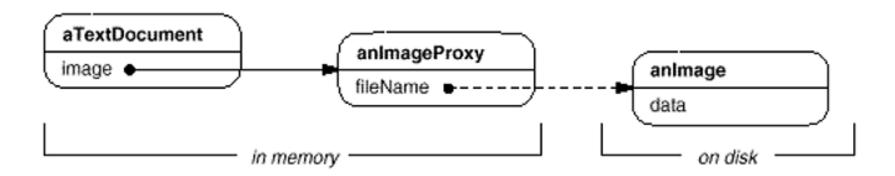




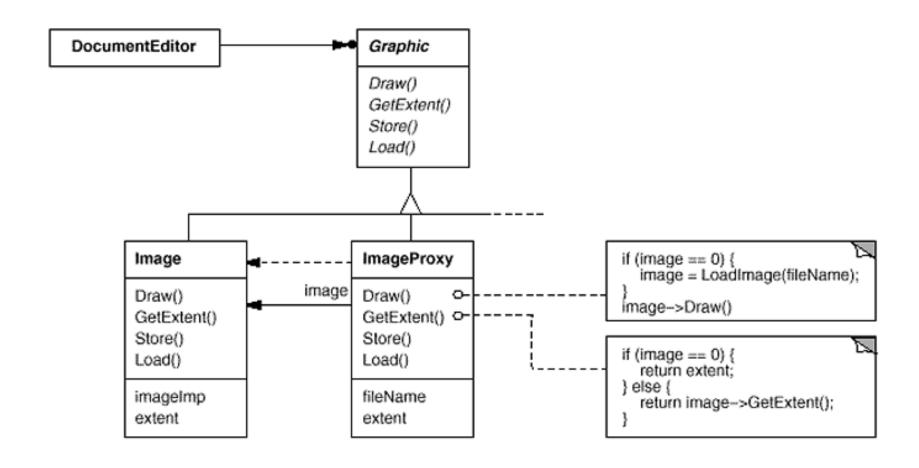




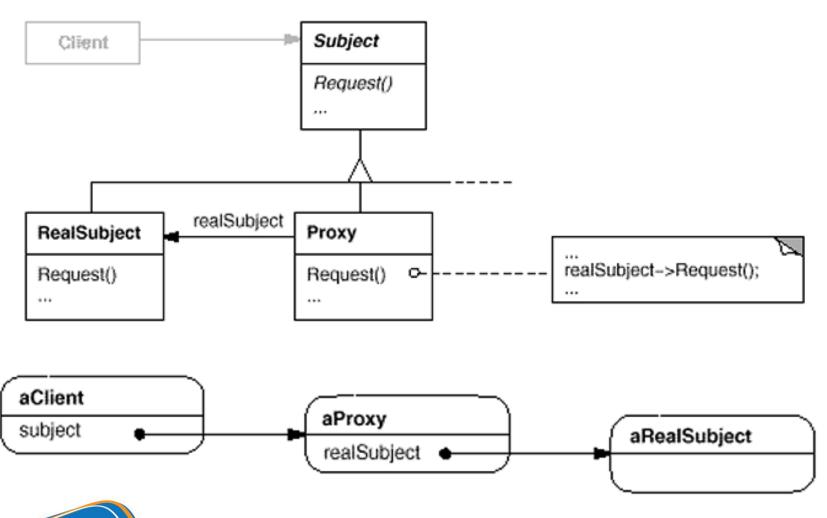












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- Thảo luận
 - Bản chất của mẫu Proxy?
 - Những tình huống sử dụng
 - So sánh với các mẫu liên quan
 - Adapter pattern
 - Bridge pattern
 - Facade pattern

