The Proxy Design Pattern

cartoon stock.com
Patron: Proxy

Class Diagram
A proxy can also add functionality (through pre/post processing)
Proxy Problem

Create a service, as a method of a Java class, that will take an integer and return if it is odd or even

Write a proxy for the service that will ask for a password before the service is executed

Write a proxy that will count the number of times the service is executed

Implement 2 double proxys:
1) Asks a password, then counts
2) Counts, then asks a password