



Assignment 2

1. In the following situation, use a combination of GoF and GoV patterns to achieve the goals stated. Provide a brief discussion on the potential deficiencies of your proposed solution:
 - In a given distributed system, subsystems interact in a complex and uncontrolled fashion. The goal is to design the system so that access to some of the services of each subsystem can be restricted dynamically (for a certain subset of its clients). These restrictions should be continuously reconsidered and reapplied at runtime, based on the status of the system (as to workload distribution) and the history of problematic accesses (e.g., erroneous service requests).
2. Study Chapter 4 of the POSA book (available on the course webpage). Then have a look at [this book](#), and briefly introduce two idioms from among Items 57 to 77 (Chapters 9 and 10) that you have used in programming without knowing that they are actually idioms.