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 <u>deficiencies</u> of your proposed solution:

   ☐ In a distributed system, a number of subsystems interact with a common subsystem in a complex fashion. Providing security to the common subsystem has become important. Security methods are complex, and impose a heavy load on system resources; hence, they are not applied at the same level all the time. The level of security depends on administrator settings and the level of risk encountered. The goal is to design the system so that the common subsystem is provided with adequate security at all times, while system resources are used sparingly.

2. Study Chapter 4 of the POSA book (available on the course webpage), then go to http://en.wikibooks.org/wiki/More_C%2B%2B_Idioms/Print_Version; briefly introduce two C++ idioms that you have used in programming without knowing that they are actually idioms.