



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 distributed interactive system, data is located in a central data store, and multiple views of the data are simultaneously provided to different users. Complex data processing and presentation services, which are distributed on multiple servers, are provided to the users in a location-transparent manner. Administrators should be able to dynamically limit the access to certain data, and the limitations should be immediately applied to the views corresponding to those data; these changes may even result in the closing of a view (window). The goal is to design the system so that while satisfying the above requirements, coupling among system components is reduced to the point where the system and its processing/presentation services can be easily extended.
2. Study Chapter 4 of the POSA book (available on the course webpage); then, browse through the idioms listed at <http://c2.com/cgi/wiki?JavaIdioms>, and briefly introduce two Java idioms that you have used in programming without knowing that they are actually idioms.