



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 to provide services to the system's clients. The interaction algorithm varies depending on the requested service and the system's current constraints regarding its available resources (including communication, processing and storage resources). Clients are ranked, and allocating more resources for serving higher-ranked clients is permitted. The goal is to design the system in such a way that the interaction algorithm adapts at runtime based on the above-mentioned parameters.
2. Study Chapter 4 of the POSA book (available on the course webpage). Then study: <http://c2.com/cgi/wiki?JavaIdioms>, and briefly introduce two **Type-Safety** or **Object Creation and Initialization** idioms that you have used in programming without knowing that they are actually idioms.