



## Assignment 3

- In each of the following cases, a number of patterns have been associated with a specific situation. For each of the situations, compare the associated patterns as to when (in what circumstances) and how (in what way) each pattern can be useful in resolving the situation, and highlight the negative consequences of applying each pattern to its associated situation.
  - **Situation:** It has become difficult to make changes to inheritance hierarchies due to the propagation of change.  
**Patterns:** 1) Extract Superclass; 2) Replace Inheritance with Delegation.
  - **Situation:** The operations of a class are strongly dependent on the attributes and operations of another class.  
**Patterns:** 1) Hide Delegate; 2) Extract Interface.
  - **Situation:** Some of the classes are Data Classes.  
**Patterns:** 1) Split Up God Class; 2) Eliminate Navigation Code.