



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:** Complex conditional expressions are present in the methods of the class.
Patterns: 1) Decompose Conditional; 2) Replace Nested Conditional with Guards.
 - **Situation:** Some methods have very long parameter lists.
Patterns: 1) Preserve Whole Object; 2) Replace Parameter with Query.
 - **Situation:** It has become difficult to make changes to inheritance hierarchies due to propagation of change.
Patterns: 1) Extract Superclass; 2) Replace Superclass with Delegate.