



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:** Duplicated code fragments are scattered among the methods of different classes.
Patterns: 1) Parameterize Method; 2) Move Behavior Close to Data.
 - **Situation:** Complex conditional expressions are present in the methods of the class.
Patterns: 1) Replace Nested Conditional with Guard Clauses; 2) Decompose Conditional.
 - **Situation:** Changing (or extending) one part of the code necessitates changing other parts (change propagation).
Patterns: 1) Separate Domain from Presentation; 2) Extract Interface.