

Modern Topics in IT (MTIT)
4th Year – Semester 01
Coding Conventions and Refactoring
by Udara Samaratunge

- Download the Project **Hackerthon2015Input** in the course web and Refactor the project as follows.
- 1) Refactor the Project with adding proper design patterns (Add Template method, Singleton Design Patterns for the project).
 - 2) Modify project Classes, Methods and all implemented variables according to Java coding conventions.
 - 3) Remove all unnecessarily created variables and use meaning full variables according to Java coding conventions.
 - 4) Use enhanced for loops for iterations
 - 5) Put all Xpaths, and resource file paths in the configuration file. (Remove all hard coded paths/Xpaths in the project.)
 - 6) Modify each class with adding class-level, method-level, single-line comments and multi-line comments.
 - 7) Modify Exception handling hierarchy with catching specific exception and each exception should be logged.
 - 8) Add loggers for necessary places.
 - 9) Remove all hard coded Strings and magic numbers with using proper constants.
 - 10) Refactor whole project according Java coding conventions.