



TRAINING COURSE OUTLINE

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Refactoring – 1 or 2 Days

Agile methods for software development are becoming increasingly popular as a way of delivering high quality solutions in complex project situations. Agile engineering practices, within an iterative ‘test, code and refactor’ cycle are key to an effective Agile approach.

This course provides detailed explanation and practical experience of all aspects of Refactoring. Together with the RADTAC Test Driven Development training course it provides complete coverage of the iterative ‘test, code and refactor’ cycle of Agile development.

Audience

This is a practical course that is intended for software developers seeking to learn how to apply refactoring and associated practices within the Agile development cycle of “test, code and refactor”.

Content

This course comprises an Introductory Module and an optional Advanced Module as outlined below:

Introductory Refactoring:

Successful completion of this module will enable delegates to apply refactoring at an introductory level and provide attendees with skills to detect and remedy ‘smells’ in the code base.

- Refactoring Defined
- Code Smells
- Unit Testing Support
- Simple Design Explained
- Student Practical
- Core Refactorings: e.g. Rename, Extract Method, Null Object

Advanced Refactoring:

This module will enable delegates to perform refactoring at a more advanced level, and extend the refactoring skill set, provide further knowledge of the potential pitfalls likely to be encountered when refactoring legacy code and the techniques used to overcome them. Attendees will also gain knowledge to recognise design and refactoring patterns.

- The Refactoring Catalogue
- Refactoring Legacy Code
- Idioms, Refactorings and Design Patterns
- Metrics
- Practical Exercises

Additional Details

Duration 1 or 2 days

Setup Laptop projection; whiteboards, flip charts and pens; facilities for practical exercises, PCs installed with appropriate IDE, a refactoring tool, unit test and FIT harness and source code repository, plus Ant and Cruisecontrol if possible