

## Agile Design Pattern Essentials

This in-depth two-day training presents the same core set of design patterns as our one-day Design Pattern Developer Essentials along with key Agile principles, Scrum practices, and an expanded group design exercise to help you better understand iterative development.

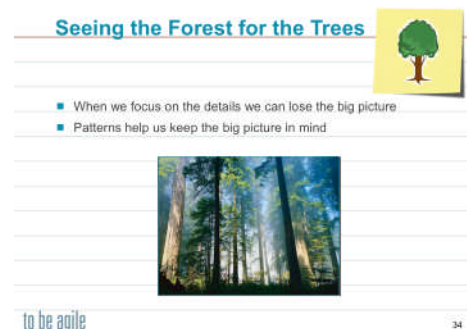
You'll come to know patterns as more than just "reusable solutions to common problems within a given context" and recognize them as a collection of forces that help you penetrate deeper into problems, discovering elegantly simple solutions that make your software more robust and easier to maintain and extend. The expanded view of patterns you'll gain from this course will help you encapsulate and abstract virtually any problem with maximum flexibility and without over-complicating the solution. You'll learn to make better coding choices and master a shared vocabulary for talking about design that will dramatically improve inter-team communication.

By the end of this training, you'll be armed with several new, effective tools for solving design problems that will empower you to produce immediate improvements in the quality of the software you design and build.

### Course Benefits

Completing this course will give you a deeper understanding of Design Pattern development in an Agile context, and enable you to:

- See how the Agile principles relate to development
- Use XP and Scrum practices in collaborative coding
- Explain what patterns are and know when to use them
- Employ Agile principles to create higher-quality code
- Use a common vocabulary for communicating designs
- Adopt simple methods to find patterns in problems
- Understand patterns by what they encapsulate
- Apply patterns just-in-time to avoid over-design
- Appreciate the value of shared coding standards
- Contribute to design reviews and evaluate others' designs
- Gain several techniques for doing effective analysis and design
- Master techniques for emerging designs in iterative development



### Who Should Take This Course

This training will benefit all team members including architects; business analysts; DBAs; designers and developers; development managers; directors; documentation specialists; operations and support staffers; product and project managers; software engineers/programmers; testers and QA engineers; and technical writers, analysts and leads.

