Use Cases and Services –
a two day workshop with
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Use Cases and Services
Proven Techniques for Modelling Application Requirements   ***2 day***

Due to recent changes in the content of this course, we don't have a detailed description yet.

Description:

This intense workshop introduces proven techniques for discovering, documenting, and verifying application requirements. In three-tier architecture terms, it covers both the Presentation Services (User Interface) and Business Services (Logic and Rules) layers.

The workshop uses an "outward-looking" form of use cases to define external (Presentation Services) requirements – that is, how a user wishes to interact with a system. To define internal (Business Services) requirements – the validation, rules, and data updates performed "behind" the user interface – a variety of techniques are covered, including event analysis, state transition diagramming, and service specification. Important synergies between these techniques are demonstrated, as well as making use of the analysts's other main techniques – data modelling and process modelling.

This unique class bridges the gap between two common extremes. At one end are simplistic, easily understood prototyping or list-based approaches that are too imprecise and incomplete for all but the simplest applications. At the other extreme are techniques that are so complex they are indecipherable to most users and analysts, and thus produce results that are just as undependable .

Objectives:

On workshop completion, participants will be able to:
- Use a variety of techniques to identify a system's use cases and business services.
- Discover and document "external" application requirements, especially UI behaviour
- Discover and document "internal" application requirements, particularly logic and rules
- Understand how use cases and services fit with process models and data models

Prerequisites:

None, although some understanding of multi-tier information systems concepts, and data modelling in particular, will be helpful.

Target Audience:

Business analysts, systems analysts, UX designers, and developers responsible for defining application requirements, or documenting legacy/custom/packaged application behaviour in a structured way. Also, technical specialists interested in requirements definition, project leaders needing to understand current analysis techniques, and content experts with a significant role to play in specifying requirements.

Course Topics:

- Application requirements definition – goals, issues, and approaches that work in real life
- Use cases and services ("application logic") - terms, concepts, and interrelationships
- Discovering use cases and services at the right granularity - a multi-pronged method
- Service specification – invocation, validation, rules, and updates
- Documenting use cases and services with progressive detail and precision – a phased approach
- Documenting "out of context" use cases – dealing with recurring and reusable elements
- Wrap-up – summary, "what's next?," and resources