

Service Oriented Analysis

SE005

Objectives

- *Understand the motives for service oriented analysis*
- *Understand the expanded role of the analyst*
- *Understand the process and steps of service oriented analysis*
- *Understand the form of the deliverables*
- *Understand issues related to change management*

Introduction

The Service Oriented Analysis course presents new ways to execute the analysis function – focusing on the big picture. SOA creates an alignment between business and IT by viewing the enterprise as a series of business processes and the solutions as a portfolio of services so that we are able to create a scalable and shared computing environment. This alignment presents a huge opportunity to bring the analyst and the programmers closer together.

Overview

SOA has fundamentally changed the way we think about system composition and decomposition. No longer can we use the old object-oriented analysis methods for identifying and specifying our shared enterprise systems. Silo requirements will continue to drive silo solutions. There's a better way. This course presents a new method for analyzing systems tailored to the needs of enterprises that utilize service oriented architecture.

Audience

This course is designed for IT and business analysts who need to elicit requirements and define the specifications of a solution. Managers and designers may also find the course useful to better understand the software development lifecycle.

Class Size and Duration

This two-day course can accommodate up to 12 students.

Prerequisites

Familiarity with SOA concepts and terminology.

Course Outline

1. The Business Impact of SOA
 - Service: The new unit of work
 - Business and IT Alignment
 - Agility Oriented Architecture
 - Process, compliance, and policies
 - SOA and Business Metrics
2. Overview: The Analysis Method
 - Overview: The new software development lifecycle
 - Iterative analysis
 - The new enterprise disciplines
 - The deliverables and artifacts
 - Advanced topics

3. Strategy, Portfolio Analysis, and Business Cases

- Putting 'business' back in 'business analysis'
- Reviewing business and IT strategy
- Making changes to the application and enterprise portfolio
- Creating the business case

4. Generating Primary Stakeholder Requirements

- Requirements vs. Specifications
- Documenting the stakeholders, problems and opportunities
- Reviewing the business performance model
- Analyzing business processes
- Analyzing human collaborations
- Analyzing information and automation needs
- Analyzing the non-functional concerns

5. Generating Secondary-Stakeholder Requirements

- Who are the secondary stakeholders?
- The 'enterprise concerns'
- EA as a stakeholder
- Process improvement as a stakeholder
- Compliance manager as a stakeholder
- International concerns
- The role of a message digest
- Communicating with encryption

6. Validating Stakeholder Requirements

- Requirements in a constrained environment
- Primary and secondary requirements
- Funding multiparty requirements
- Requirements prioritization and scoping
- Vehicles to verify accurate requirements

7. Generating Engineering and Procurement Specifications

- Converting requirements into specifications
- Generic client & service specifications
- Specifying business service specifications
- Specifying special services
- Referencing existing services
- Generating procurement specifications

8. Collaborating with the Architect and Service Designer

- Overview: What are the touch points?
- Defining the 'technical services'
- Defining the non-functional requirements
- Sharing as a requirement
- Software agility as a requirement

9. Managing Change

- Overview: Changing requirements
- The effect of new requirements
- Versioning shared services
- Redeploying services and communicating change

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About MomentumSI

MomentumSI is a leading boutique IT consultancy focused on enterprise transformation. We are known for helping large enterprises quickly and cost-efficiently adopt innovative, agile practices to align business needs with IT processes. We specialize in helping companies incorporate disruptive technologies, including Cloud Computing, DevOps, BPM and SOA.

