INTEGRATE iT
practice leaders in productivity

Enterprise Architect Quick Start

Duration: 3 days

Delivering a Solutions Project from Requirements, Analysis, Design, Implementation and Testing using Enterprise Architect

This intensive "hands-on" Workshop reveals the importance of developing UML modeling skills and productivity techniques. Work directly with a practice leader using the provided "Sparx Enterprise Architect Quick Start" study guide, and Case Study.

Successful business and software requirements management integrated with software engineering delivery cuts to the very core of managing business expectations and delivering quality business and software application solutions.

Experience hands-on UML modeling and learn how to use Enterprise Architect for your next project. Discover surprising ways to improve quality and save time under the watchful eye of practice leaders. Rapidly practice and learn an agile approach and practice modeling every OMG UML standard diagram. Learn where and why to apply each diagram.

This rapid moving course caters to all analysts and engineers that use UML for their work. This includes business and systems analysts, project managers, quality engineers, architects, designers, and business process modelers. This course will help quickly determine how EA will be useful to Projects and how it can be used to automate and support certain aspects of your development process.

Certifications

- Sparx Systems Enterprise Architect - Certificate of Education Credits
- LinkedIn Endorsement by our Industry Expert Workshop Leader

What you'll Learn

Our expert instructor work closely with every student to personally ensure they fully grasp every lesson plan during the hands-on workshops sessions to ensure that the Certification is achieved
- Learn how to use Sparx Enterprise Architect to deliver your next project
- Practice developing Requirements, Analysis, Design, Implement, and Test using (RADIT)
- Learn how OMG UML models are effective for architecture and development projects
- Learn which OG UML diagram to choose to meet your specific modeling needs
- Practice using the Business Process Modeling Notation (BPMN)
- Practice modeling and writing use case stories
- Practice Requirements Management for re-use and traceability
- Develop User Interfaces and Data models
- Become practiced and confident in your use of Sparx EA
- Generate Word and HTML documentation using Sparx EA

Who needs to Attend

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- Business Analysts, Solution Architects, Software Engineers, Technology Architects
- QA Testing Analysts, Students of Agile Software Engineering (OOAD)
- Project Managers

Prerequisites

- There are no prerequisites

Follow on Courses

- Enterprise Architect for Business Analysts
- Enterprise Architect for TOGAF Practitioners
- Use Case Modeling (BA 325)

Course Outline

Getting Started

1. Loading your Course Case Study
2. Teamwork and Re-use using Sparx EA
3. Introductions
4. Understanding OMG UML Modeling
5. Sparx EA for Business Modeling, Requirements, Analysis, Design and Testing
6. START – Project Browser, Traceability, Search in Model, Help
7. DESIGN – Package, Diagram, Toolbox, Element
8. LAYOUT - Manage, Appearance, Status
9. PUBLISH – Documentation, Web, Package Control
10. CONFIGURE – Manage Technology, Manage Security, Images
11. CONSTRUCT – Resource Allocation, Change, Defects, Issues, Testing
12. CODE – Scripting, Edit Code
13. SIMULATE – Simulators, Manage BPSim
14. EXECUTE - Debugger, Recorder
15. EXTEND – Manage Add-ins

Requirements

1. Business Analysis best practices techniques
2. SRS - Software Requirements Specification
3. Roles catalog
4. System Context
5. Scope of Work
6. Modeling Use Case stories
7. Writing a Use Case story
8. Screen Prototyping
9. Data Requirements
10. Functional Requirements

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11. Logical Data model
12. Use Case to Logical Data matrix
13. Traceability and impact of change
14. Baseline Version Control
15. Generating Word documents

Analysis

1. Solutions Analysis Reference models and Standards
2. SAD – Solution Architecture Document
3. Analysis - Sequence diagram
4. Boundary Objects – User Experience
5. Business Objects
6. Data Objects
7. Physical Data model - DDL
8. Reverse Engineer a Database
9. Generate a Data Modeling Report
10. Creating Tables, Attributes and Foreign Keys
11. Creating Indexes, Triggers, Procedures
12. QA & Peer Review

Design

1. Software Engineering best practice techniques
2. Reference models and Standards
3. UML Design Patterns
4. Model Driven Architecture (MDA)
5. Code Warrior - Reverse Engineering
6. Construction – Design deliverables
7. Designing Behavior – Sequence diagram
8. Designing Messages & Operations
9. UML State diagram
10. Designing Structure – Class diagram
11. Designing Associations, Aggregation & Inheritance
12. Designing Implementation packages
13. QA & Peer Review

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Implementation

1. Create a Component Sequence diagram
2. Create a Component Traceability diagram
3. Component Building Block Traceability
4. Create a Deployment diagram
5. Adding Alternate Images
6. Create a HW to SW Nested diagram

Testing

1. Use Case stories drive all testing
2. Create a User acceptance test
3. Generating the User acceptance test report

Course Take Aways'

Save time and immediately power up your practice during the course and your next project. Every participant receives the following course handouts:
- Course Guidebook and practice Case study
- Full Traceability from Strategy to Deployment using an INTEGRATED Repository model
- INTEGRATED Toolbox Stencils for BABOK©, BIZBOK©, ITSM©, PMBOK©, and TOGAF©
- Repository Help Screens make Sparx easy to learn and rapid to deploy
- Work Packages Standard Templates to generate documentation
- Pre-built reuse Catalogs, Matrices, Diagram Patterns
- MS Word, MS Excel, and PowerPoint integration and reuse Templates

Testimonials

"It has been nearly impossible to figure out how to use Enterprise Architect to manage a real project. INTEGRATE iT involved the entire project team and we are saving time and producing quality requirements within one week"
– Director, Agile Software Delivery

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Workshop Leader – Ramsay Millar

INTEGRATE iT will provide Sparx Systems Enterprise Architect Expert and course author Ramsay Millar to lead and facilitate the training event.

Ramsay Millar is a lateral thinking and dynamic technology consultant with 28 years of progressively responsible experience in medium to large business and government accounts across many diverse business areas. He is a proven leader in project readiness who applies continual process improvement techniques and tools who delivers successful outcomes for major transformation projects.

Ramsay is customer oriented and results driven when deploying leading industry techniques using the Business Architecture Guild (BIZBOK®), the Object Management Group (OMG® UML), The Open Group Architecture Framework (TOGAF®), the International Institute of Business Analysts (BABOK®), Agile Solution Delivery and Project Management (PMIBOK®).

As an expert consultant and professional educator Ramsay Millar has delivered hundreds of successful interactive training events that are results oriented and focus on applying productivity techniques to real world challenges. Millar has dedicated his career to dramatically improving business and technology transformation and service delivery project outcomes.

Strengths
- Customer oriented with excellent communication skills
- Visionary with a capability of remaining highly technical while being strategic in approach
- Fiscally Responsible leadership and project manager
- A proven leader in large scale transformations using productivity techniques

Competencies
- Consulting as a Business Architecture, Business Analyst, Enterprise Architect, & Project manager
- Business Analyst - BACP®, CMMI® Requirements Management, IEEE®
- Business Architect – Business Architecture Guild BIZBOK®
- Enterprise Architect – TOGAF® certified practitioner and instructor
- Project Manager – Critical and large scale Transformations
- Sparx Systems, OMG UML, and Metamodel Frameworks SME
- Knowledge Repository Deployments
- Agile Solution Delivery Projects
- Professional educator and facilitator

Healthcare Transformation Case Study

Closing the Gap – Dr Dobbs Interview