

# Software Testing Fundamentals

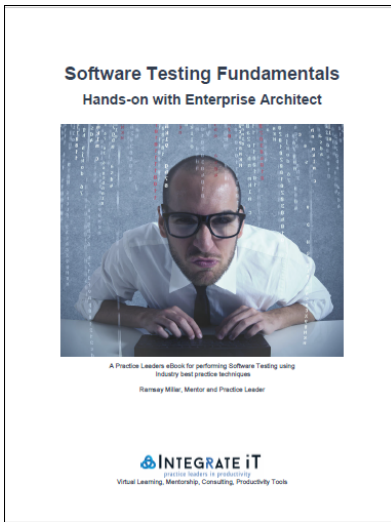
## Hands-on with Enterprise Architect



### Virtual Learning and Mentorship

#### Led by Practice Leader and Enterprise Architect SME

Duration 2 days



As per ANSI/IEEE 1059, Software Testing in Software Engineering is a process of evaluating a software product to find whether the current software product meets the stated requirements and user experience conditions or not. The testing process involves evaluating the requirements of the software developed in terms of any missing requirements, bugs or errors, security, reliability, and performance.

Software Testing is important because if there are any bugs or errors in the software, it can be identified early and can be solved before delivery of the software product. Properly tested software product ensures useability, reliability, and security which further results in time saving, cost effectiveness and customer satisfaction. Testing is important because software bugs could be expensive or even dangerous. Software bugs can potentially cause substantial monetary and human loss, and history is full of such examples.

Attend this Software Testing training course and gain a thorough understanding of testing approaches that can be performed when using Enterprise Architect.

Enterprise Architect is not only a UML Modeling environment, it is also a complete Test Management environment. Using Enterprise Architect, you can create and manage test scripts for model elements, developing unit, integration, scenario, system, acceptance and inspection tests.

#### You Will Learn How To:

- Apply general software testing principles and fundamental test processes
- Learn to import or move tests, generate them from scenarios, and generate test documentation and report
- Learn Approaches and types of Tests
- Practice Functional Testing
- Practice Security Testing
- Practice Quality of Service Testing
- Practice building Acceptance Tests and Scenario Tests

#### After Course Benefits

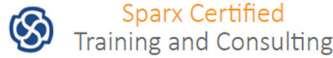
- After-course instructor coaching benefit
- Sparx Systems Enterprise Architect Certification



Virtual Learning. Mentorship, Consulting, Productivity Tools

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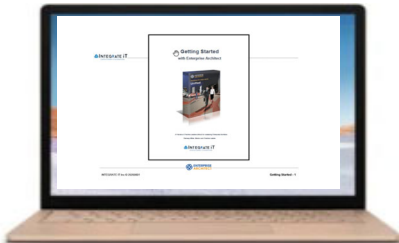


### What you Receive

Experience the most comprehensive Virtual Learning and Mentorship available for learners interested in growing your career. Learn from an experienced consultant and mentor who reveals proven industry best practices and prepares you or your team to become skilled and confident in your use of Enterprise Architect by Sparx Systems.



Practice Leader, Mentor, Enterprise Architect SME Ramsay Millar has delivered over 1,100 business and technology modeling project assignments and trained over 4,000 business architects, business analysts, enterprise architects, agile project managers, solution architects and software engineers since 2001. The professionals Ramsay has mentored appreciate his common sense, wide industry skills, and the direct experience he brings to the show. <https://www.linkedin.com/in/ramsay-millar-616b915/>



Use your **Web Browser** to read, learn, search, make notes, and print your personal **Practice Leaders eBook**. Your supplied **eBook** contains practical steps required to master and grow confident when using Enterprise Architect to deliver your next project and is directly linked to the **ALLin1 EA Repository Case Study**



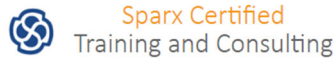
Download the supplied **ALLin1 EA Repository** to your PC Desktop. The Repository and additional course resources contain everything you need to get started including a production ready reusable Repository loaded with Project and Document Templates, Diagram Stencils, and real-world consulting Case Study samples.



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### Testimonials

*“Congrats and we who have taken a Ramsay Millar class know his superior technical education skills. Content, delivery, and real-world practical application of what you learn is his hallmark. INTEGRATE IT Inc. is so fortunate to have such a professional on staff for so long. When you have Ramsay as a mentor and instructor, you are a student for life, and you resolve the toughest issues together. Thank you, Ramsay; I am so grateful to be a student of your work. I hope soon the world will see the value of your work and why it is the cornerstone of digital transformation—looking for the 25th year! “*  
– Patrick Simon, Beehive Consulting

*“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

*“Even though Enterprise Architect is an extremely powerful tool and more feature rich than all the competing products we have reviewed in our RFP, it is hard to apply it without proper mentorship delivered by Ramsay Millar.”* – Marc Ginns, Chief Enterprise Architect, Duke Energy

*“The Toolkits provided by INTEGRATE iT during the course saved our Fortune 10 Healthcare company many months of standards work and setup time, we began our critical project immediately after training. There isn’t a week that goes by when I’m not using one of the productivity tools to help solve problems, speed things or make my team more productive.”*  
- Fiona Lindberg, Business Architect – McKesson Health Systems

### Healthcare Transformation Case Study

#### Closing the Gap – Dr Dobbs Interview

### Course Outline

#### **Getting Started with Enterprise Architect**

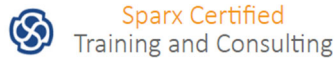
1. Introduction
2. Login to the ALLin1 EA Repository
3. What is an Enterprise Architecture Repository?
4. Modeling Best Practices
5. START – Searching the Model
6. DESIGN - Mastering diagrams
7. LAYOUT - Themes and Appearance
8. DEVELOP – Database Modeling
9. PUBLISH – Publish Documentation
10. SIMULATE – Business Process Simulation
11. SPECIALIZE - Microsoft Office Integration
12. CONSTRUCT – Kanban
13. EXECUTE - Code Execution



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14. CONFIGURE – Security, Groups, Permissions
15. Enterprise Architect – Model, Share, Engage, Collaborate
16. Enterprise Architect – Model, Share, Engage, Collaborate

### Software Testing

1. Software Testing Best Practices
2. Create a Test Plan – Let's Practice
3. Scope of Testing – Let's Practice!
4. Create a Scenario Test Case – Let's Practice
5. Writing a Test Case – Let's Practice!
6. Creating a Component Test Case – Let's Practice!
7. Adding Core Requirements – Let's Practice!
8. Requirements Traceability – Let's Practice
9. Writing Tests – Let's Practice
10. Unit Testing
11. Integration Testing
12. System Testing
13. Scenario Testing – Let's Practice!
14. User Acceptance Testing – Let's Practice!
15. Software Test Reporting – Let's Practice!

### Certifications

Our expert instructors work closely with every student to personally ensure they fully grasp every lesson plan during the hands-on workshops sessions and long after the course to mentor and ensure that your TOGAF® Certification is achieved and your Enterprise Architect practice is well established.



- Sparx Systems Enterprise Architect Certification
- Certificate of Education Credits

### Who needs to Attend

- Software Testers, QA Analysts, Software Engineers, Business Analysts, Project Managers, all learners



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