



Business Analysis Training Brochure



This brochure provides a high level description of the Business Analyst training program offered by Requirements Inc. The intent of the training is to enable candidates to be marketed in minimal time by providing a hands-on course on the fundamentals of the roles, responsibilities and skills required of a Business Analyst.

Prerequisites

Good communication skills and strong analytical skills required.
No prior Information Technology or programming experience required.

Offering

Independent consultants
IT consulting companies

Format

Classroom
Long distance (Web and audio conference)
On-site at your facility
On-demand (Recorded audio and video sessions)

Locations

Reston, Virginia
Chicago, Illinois

Contact

For any questions regarding the training, fees structure or potential career opportunities, contact

Srinivas
Training@RequirementsInc.com
716-228-2411



ideas to implementations™

Srinivas, 716-228-2411
Training@RequirementsInc.com

Module 1 – Business Analyst Roles, Object Oriented Analysis and Design (OOAD) and Rational Unified Process (RUP) Overview

Overview

This module provides a broad perspective to the business analysis domain with emphasis on roles, skills and job functions. For candidates with no prior IT expertise, this module provides grounding on software engineering methodologies. It also introduces the candidates – novice and experienced alike – to the concepts of UML and Use Cases and sets expectations of the training program.

Content

- Analyzing the problem domain and deriving the solution domain
- Object Oriented Analysis and Design (OOAD) and Object Oriented Programming (OOP) concepts
- Waterfall (SDLC) model and Rational Unified Process (RUP) comparative study
- RUP iterative phases – Inception, Elaboration, Construction and Transition – activities, artifacts and business analyst responsibilities
- Software Engineering 101 – Methodologies, Principles and Practices – Reference
- Business Modeling – How modeling helps deliver quality – Reference
- History and evolution of UML – Reference
- Unified Modeling Language (UML) and Use Cases Overview

Hands-On Training

- Not applicable

Module 2 – Unified Modeling Language (UML) Deep Dives

Overview

- Module 2 establishes context of the importance of Business Modeling using UML and discusses the vital business diagrams in detail. Technical diagrams are covered with enough context to be able to comprehend and assess these diagrams. Visualization techniques to represent business problems in a solutions approach are explained with examples. The module also engages the candidates in mini projects to apply the theoretical knowledge in a practical business sense.

Content

- Overview of various UML diagrams – visualization, blueprinting, views and purposes
- Entities and relationships – the basis of UML diagrams
- Landmark UML versions 1.4 and 2.0 - What's new in UML version 2.0
- Specifications, rules, guidelines of the language
- Part 1: Use Case, Activity and State Diagrams
- Part 2: Sequence, Collaboration, Class and Object Diagrams
- Part 3: Component, Package and Deployment Diagrams
- Mini projects to conceptualize the business problem and put theory into practice

Hands-On Training

- Candidates are required to complete take away and in class mini projects to effectively utilize the classroom course and grasp the fundamentals of the UML.

Module 3 – Documenting Functional Requirements - Use Cases

Overview

- This module illustrates writing elaborate requirements in use case format. Topics covered include Identifying use cases of a system under design, defining the scope and boundary of a use case, discovering the business scenarios and describing the flows to capture the system-user interaction. The candidate will be able to write effective use cases on participation on mini projects for business problems.

Content

- Use Case approach to requirements
- Business Use Cases (BUCs), Application Use Cases (AUCs) and System Use Cases (SUCs)
- Identifying the right use cases in a solution model
- Use Cases, Business Rules, Supplemental Specifications and Operational Specifications
- Primary and Secondary Actors
- Use Case storyboarding – eliciting and documenting user interaction in detailed requirements
- Primary / Main flow / Happy path, Alternate flow and Exception Flow in Use Cases
- Writing effective use cases

Hands-On Training

- Candidates will have the opportunity to write use cases for business scenarios and build the solution model in a team / individual basis. Mini projects will be reviewed in class in order to ensure quality work product creation. are required to complete take away and in class mini projects to effectively utilize the classroom course and grasp the fundamentals of the UML.

Module 4 – Data modeling, Data Analysis and Testing

Overview

- This module provides the candidates with testing and data analysis principles to a detail required for business analysts. Test methodologies, types and user acceptance test requisites are discussed. A database querying language is explained with the concept of Relational Database Management System (RDBMS)

Content

- Goals of testing, functions performed during testing process, a Business Analyst approach to testing
- Testing methodologies – Blackbox and whitebox testing, Positive and Negative tests
- Testing types - Unit, System, Integration, Regression, Automated testing, User Acceptance Testing (UAT)
- Reusable test plans, test procedures and Test Cases – template
- Derived test cases from use cases
- Identification of Test Scenarios, tracing test cases to test scenarios
- Traceability matrix
- Business validation and verification
- Analysis of the System results – Documenting unexpected behaviors
- User signoff – Process and fulfilling expectations
- Introduction to SQL
- Basic SQL queries and SQL scripts – querying tools, execution of commands
- ClearQuest from the defect management perspective

Hands-On Training

- Not Applicable

Module 5 – Tools Training – Rational Suite and Telelogic

Overview

- Module 5 walks the candidate through the tools required to perform the role of a business analyst for Requirement Management, Change Management, Version Control and UML Business Modeling

Content

- Introduction to Requirements Management and DOORS
- Identifying and creating DOORS components
- Editing, Linking, Searching, Reporting, Importing and Exporting modules and projects
- Writing Use Cases, Business Rules, Supplemental Specifications in DOORS, understanding and using attributes
- Introduction to Change Management and ClearQuest
- Managing baselined requirement changes – Engineering Change Requests (ECR) Change Control Board (CCB) Process
- Identifying, documenting, submitting ECRs
- Tracking and distributing ECRs for Review – Impact analysis and Level of Effort
- CCB decision, updating requirements and communicating change
- Introduction to Version Control and Clear Case
- Checking out and checking in files
- Workspace Management (Setting views) and Versioned Objects (vob's)
- Introduction to UML Business Modeling and Rational Rose / StarUML
- Advantages to visual modeling, Rational Rose interface, views and diagrams
- Managing UML entities and relationships for the various UML diagrams
- Use Case, Activity and State Diagrams
- Sequence and Class Diagrams

Hands-On Training

- Candidates are presented with online demonstration of a UML Modeling software like Rational Rose / StarUML. Candidates are encouraged to create UML diagrams for the assignments using the software tools. Specific emphasis will be on the business diagrams. Online candidates are required to collaborate by a videoconferencing tool such as webex.



ideas to implementations™

Srinivas, 716-228-2411
Training@RequirementsInc.com