

Wizards Training

Business Analyst Training Course Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

The course will cover the following main topics:

- The Role of the Business Analyst
- Software Engineering Principles (SDLC, Waterfall, RUP, Agile)
- Object Oriented Analysis Techniques
- Effective Requirements
- Requirement Modeling Techniques (Use Cases and UML 2.0)
- Investigation Techniques (JAD Sessions, Surveys, SME Interviews)
- Project Management and QA Basics

Business Analyst

- Introduction to Business Analysis and Project Management.
- SDLC (Software Development Lifecycle) Methodologies.
 - ❖ SDLC
 - ❖ Waterfall
 - ❖ Rational Unified Process (RUP)
 - ❖ Agile (XP, Scrum)
- Role of a Business Analyst, BA Duties and Expectations
- Requirements Gathering Techniques
 - ❖ Facilitating Requirement Gathering
 - ❖ Introduction to Problem Analysis, GAP Analysis and JAD sessions (How)
 - ❖ Story Boarding (Live examples)
 - ❖ Preparing Meeting Minutes
 - ❖ Requirements Traceability Matrix
 - ❖ Communicating Requirements
 - ❖ Stakeholder Interviews (Phone, In Person)
 - ❖ Defects and Change Management
- ❖ Negotiating with Business SME (Subject Matter Experts, Development Team etc).
- ❖ Final/Baseline Documentation Preparation and Signoff.

□ Requirements Management.

□ Types of Requirements

- Functional Requirements
- Non Functional Requirements
- User Requirements

Training Location: 1033 Sterling Road, Ste. 103, Herndon-VA-20170. USA.
Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com
(Behind Fuddrucker's @ Cross Roads of Dulles on Elden Street)

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- Business Requirements
- Technical Requirements
- Report and Interface Requirements
- Analyzing and Documenting Requirements
- Tools for Documenting Requirements

□ Requirement Modeling Techniques

- ❖ Use Cases
- ❖ Shall Statements
- ❖ Wireframing
- ❖ Personas
- ❖ User Stories
- ❖ Scenarios
- ❖ UML 2.0
- ❖ Use Case Diagrams
- ❖ Activity Diagrams
- ❖ Sequence Diagrams
- ❖ Collaborations Diagrams
- ❖ Workflow Analysis
- ❖ Gap Analysis (AS IS and TO BE Process Maps)
- ❖ Business Process Modeling

➤ Project Management and Testing

- ❖ Introduction to Project Planning
- ❖ Workbreakdown Structure
- ❖ Gantt Charts
- ❖ Resource Planning and Worksheets.
- ❖ Test Strategy
- ❖ Test Plans
- ❖ Test Cases
- ❖ Defect Tracking and Bug Reports
- ❖ Mercury Quality Center.

➤ Tools

- ❖ MS Visio and Star UML
- ❖ MS Word – Using Requirement Templates
- ❖ MS Project
- ❖ Mercury Quality Center
- ❖ Rational Rose, Requisite Pro, Caliber RM

- SQL- Basic SQL knowledge is required for BA to be able to query the Existing or New DB to figure out the gaps in the requirements to the developed product.

Weekly Progress assessment will be done through:

- Quizzes on completed topics

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□ In-class exercises in preparing documents and writing requirements on mockup projects.

□ Mockup JAD sessions will be conducted in class.

Documentation: Course notes, including guides, templates and checklists. References to websites for further subject enhancements.